

MAIN CATALOGUE

system components
for whirlpool tubs







with price list

whirl.rkoller.com

KOLLER **WHIRL-
SYSTEMS**




COLOR LEGEND

BRASS

-  **C** = chrome
-  **B** = brass-polished
-  **GP** = gold varnish
-  **W** = white

e.g. brass chrome: Order No.: **C-1005-1**

PLASTIC

-  **P-W** = white
-  **P-C** = chrome
-  **P-T** = transparent

e.g. plastic chrome: Order No.: **P-C-1005-5**

NOTE

WILL BE DISCONTINUED

**This product is discontinued –
delivery only while supplies last.**

Availability on request.

Please contact us for details.



All visible parts are available
at additional cost in various RAL
colours (according to colour pallet).
Delivery time on request.

Our production sites



Austria

Tel.: **+43/2841/8207**
Mail: office.vitis.at@rkoller.com

PARENT PLANT VITIS

Rudolf KOLLER Ges.m.b.H.
Rudolf-Koller-Straße 1
A-3902 Vitis



Czech Republic

Tel.: **+420/384/370 457**
Mail: office.jhradec.cz@rkoller.com

PLANT JINDRICHUV HRADEC

Rudolf KOLLER spol.s.r.o.
Dolní Pena 201
377 01 Jindřichův Hradec



International

Are you looking for a contact for your country?
On our website you can find the contact details for your
specific country representative:
whirl.rkoller.com/contact

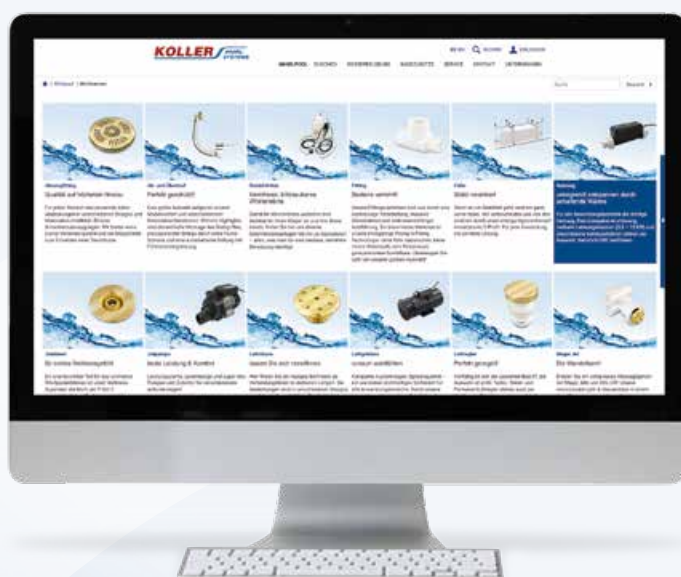




Online catalogue

Do you already know our online catalog?

On our website at **Whirlpool | Whirlpool tubs** you will find all products from our range.



You can also use our new, completely revised online catalogue and benefit from the many related advantages it offers:

- Responsive design: Optimum display on all end devices, whether smartphone, tablet or PC
- Detailed filter options
- Extensive search function
- Important note: Please register to use all functions to the full extent, e.g. download of product photo or data sheet, module configuration, prices, shopping cart ...

ÖQA Certificate

The ÖQA-Austrian Society for the Promotion of Quality
will award

KOLLER WHIRL
SYSTEMS

Rudolf Koller Ges.m.b.H.
Brünner Straße 313-315, A-1210 Vienna

the

Austria Quality Seal



for following goods

**Whirlpool-Systems
Whirlpool-Components**

Report No. KU 29 278
TGM, Vienna

**Registration No. 10.469
Valid until 2024-03-31**

Vienna, March 2021/KM

tgm

Staatliche Versuchsanstalt

Inspection Authority

ÖQA President

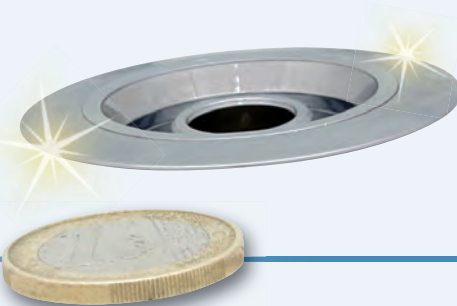
ÖQA General Manager

Austrian Society for the Promotion of Quality



**Extract
from our range of products**

FLATLine



VACUUM FITTING FLATLINE



JET PUMP FLATLINE

Two Way Valve



ACCESSORY FLATLINE

Water Inlet



EXTRACT FROM OUR RANGE OF PRODUCTS

JET FLATLINE

Multi Jet



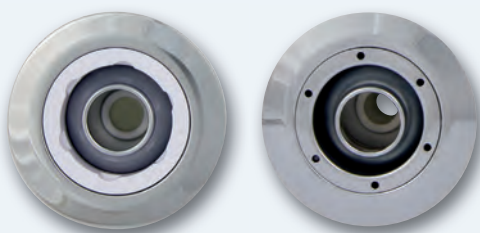
Micro Jet



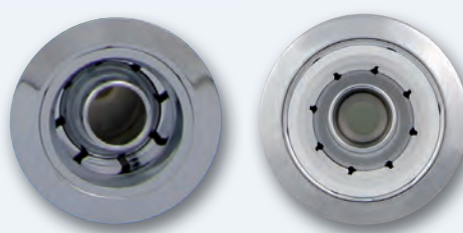
Micro Jet Click In



Midi Jet



Midi Jet Click In



Nano Jet



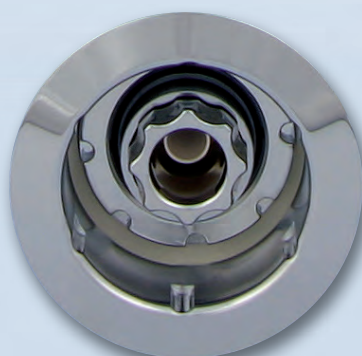
Water Jet



Super Jet Small



Super Jet



Turbo Jet



EXTRACT FROM OUR RANGE OF PRODUCTS

AIR JET FLATLINE

Micro Multi



Micro Small Multi Jet

Air Jet

Whisper Jet



AIR CONTROLLER FLATLINE



MAGIC JET FLATLINE



SPA LIGHT FLATLINE

Halogen Spa Light

Lens Casing
Click In

Power LED

Multicolor



EXTRACT FROM OUR RANGE OF PRODUCTS

BUTTON FLATLINE

Pneumatic Button



Electronic Button



Electronic Button Ø 25 mm



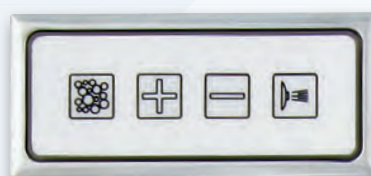
Electronic Button Ø 40 mm



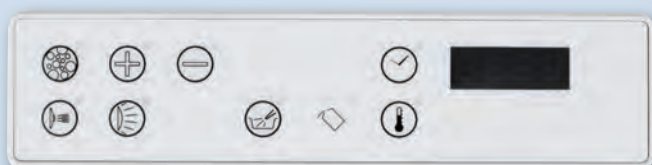
Electronic Temperature Indicator Ø 40 mm



Squareline Push Button



Whirlmaster



Poolmaster



Extract from our range of products

VACUUM FITTING



JET PUMP

Two Way and Multiway Valve



AIR JET



MAGIC JET



EXTRACT FROM OUR RANGE OF PRODUCTS

DRAIN AND OVERFLOW



EXTRACT FROM OUR RANGE OF PRODUCTS

JET

Nano Jet



Micro Jet



Midi Jet



Mini Jet



Super Jet Small



Super Jet



Turbo Jet



Water Jet Micro



Water Jet Midi



EXTRACT FROM OUR RANGE OF PRODUCTS

AIR CONTROLLER



Pneumatic Combi Button



Combi Button



Combi Control Panel



SPA LIGHT

Halogen Spa Light



Mini LED Spa Light



Power LED



Multicolor



EXTRACT FROM OUR RANGE OF PRODUCTS

BUTTON

Pneumatic Button



Pneumatic Combi Button



Combi Button



Electronic Button
Ø 25 mm



Electronic Button Ø 40 mm



Electronic Temperature
Indicator Ø 40 mm



Combi Control Panel



Comfort Button



Whirlmaster



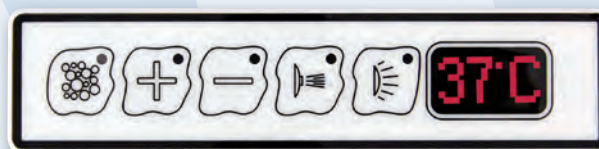
Poolmaster



Squareline Push Button



Blueline Push Button



INDEX

VACUUM FITTING

1.1-1.11



DRAIN AND OVERFLOW

2.1-2.26



DISINFECTION

3.1-3.10



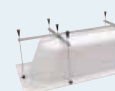
FITTING

4.1-4.29



LEGS

5.1-5.19



HEATING

6.1-6.5



JET

7.1-7.65



JET PUMP

8.1-8.30



AIR JET

9.1-9.26



AIR BLOWER

10.1-10.10



AIR CONTROLLER

11.1-11.21



MAGIC JET

12.1-12.6



CONTROL PANEL

13.1-13.32



BUTTON

14.1-14.67



SPA LIGHT

15.1-15.32



ACCESSORY

16.1-16.24





VACUUM FITTING

1

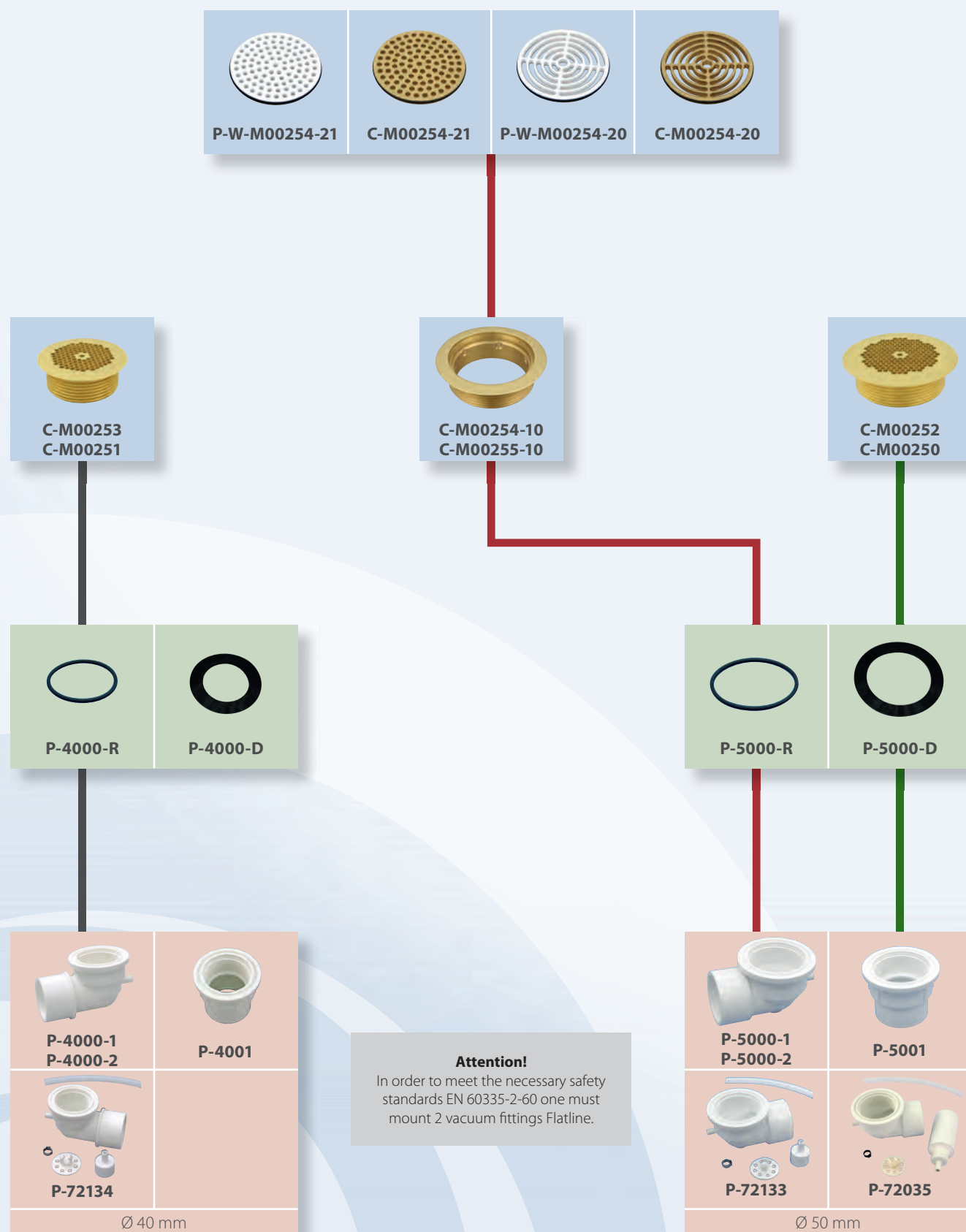


Features - Vacuum Fitting

- Wide choice of covers in various designs and materials
- Available in adhesive socket Ø 40 and 50 mm
- Various safety suctions
- Option to fit an immersion sleeve (e.g. for temperature sensor)
- Extra strong connection parts
- Also available in flatline version



Vacuum fitting Flatline - structure

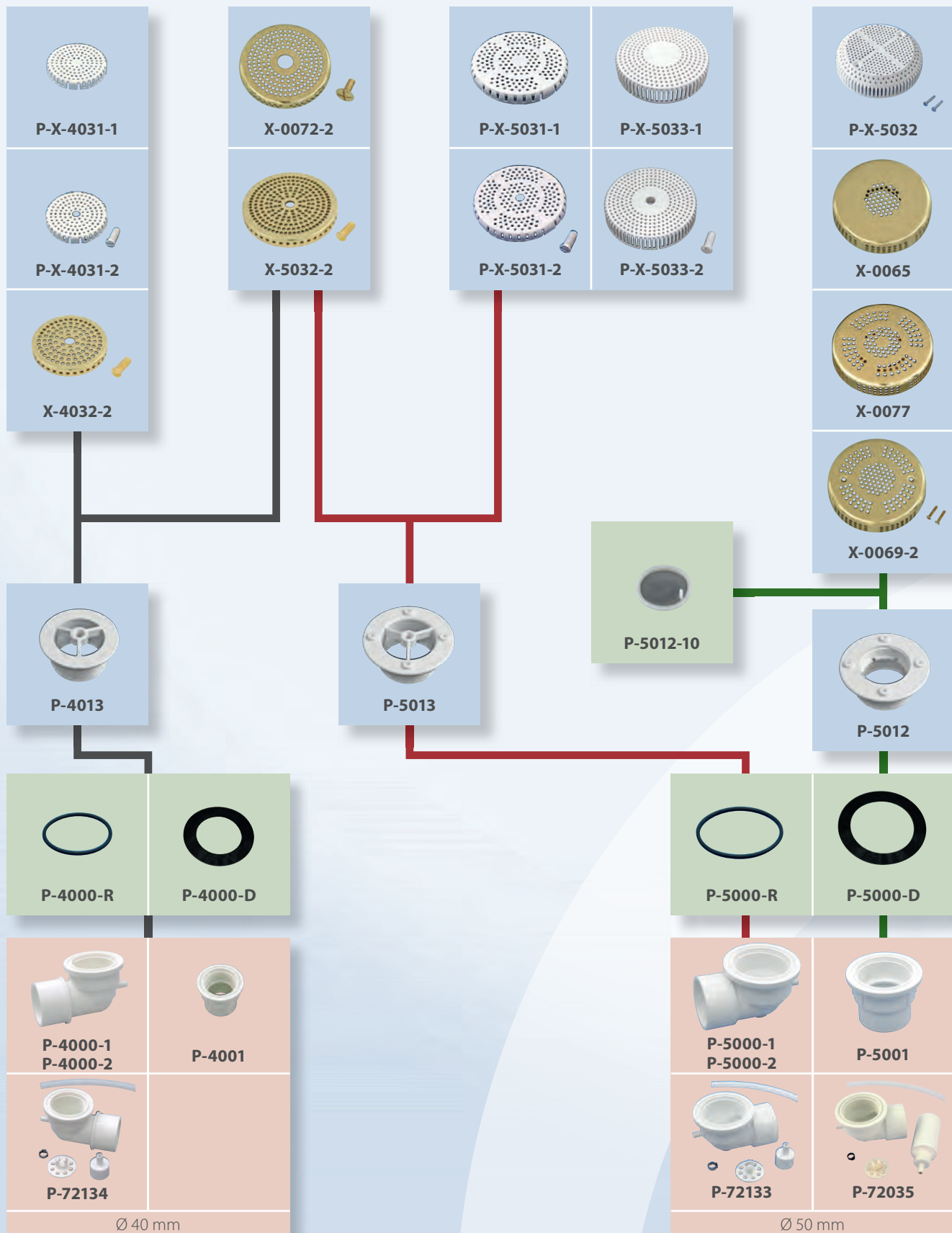


| VACUUM FITTING | | Order No. | | | | | | |
|---|---|----------------|--------|-----------|-------|-----------|-------|----------------------|
|  | <p>Flatline suction series M00253</p> <p>material: brass outside Ø: 58 mm drill Ø: 48 mm key: P-M00250-50</p> <p>suited for: vacuum fitting 90°: P-4000-1, P-4000-2 vacuum fitting straight: P-4001 safety suction: P-72134</p> <table><tr><th>wall thickness</th><th>weight</th></tr><tr><td>2 - 10 mm</td><td>90 g</td></tr><tr><td>8 - 20 mm</td><td>123 g</td></tr></table> | wall thickness | weight | 2 - 10 mm | 90 g | 8 - 20 mm | 123 g | C-M00253 C-M00251 |
| wall thickness | weight | | | | | | | |
| 2 - 10 mm | 90 g | | | | | | | |
| 8 - 20 mm | 123 g | | | | | | | |
|  | <p>Flatline suction series M00252</p> <p>material: brass outside Ø: 74 mm drill Ø: 64 mm key: P-M00250-50</p> <p>suited for: vacuum fitting 90°: P-5000-1, P-5000-2 vacuum fitting straight: P-5001 safety suction: P-72133, P-72035</p> <table><tr><th>wall thickness</th><th>weight</th></tr><tr><td>2 - 10 mm</td><td>150 g</td></tr><tr><td>8 - 20 mm</td><td>200 g</td></tr></table> | wall thickness | weight | 2 - 10 mm | 150 g | 8 - 20 mm | 200 g | C-M00252 C-M00250 |
| wall thickness | weight | | | | | | | |
| 2 - 10 mm | 150 g | | | | | | | |
| 8 - 20 mm | 200 g | | | | | | | |
|  | <p>Flatline vacuum inner part P-W-M00254-20</p> <p>material: plastic mounting method: click on weight: 6 g</p> <p>inclusive: o-ring (53 x 2 mm)</p> <p>suited for: Flatline vacuum body: C-M00254-10, C-M00255-10</p> | P-W-M00254-20 | | | | | | |
| <div>WILL BE DISCONTINUED</div>  | <p>Flatline vacuum inner part P-W-M00254-21</p> <p>material: plastic mounting method: click on weight: 10 g</p> <p>inclusive: o-ring (53 x 2 mm)</p> <p>suited for: Flatline vacuum body: C-M00254-10, C-M00255-10</p> | P-W-M00254-21 | | | | | | |

WILL BE DISCONTINUED

| VACUUM FITTING | | | Order No. | | | | | |
|---|--|---|----------------|--------|-----------|-------|-----------|-------|
|  | <p>Flatline vacuum inner part C-M00254-20</p> <p>material: brass mounting method: click on weight: 34 g</p> <p>inclusive: o-ring (53 x 2 mm)</p> <p>suitable for: Flatline vacuum body: C-M00254-10, C-M00255-10</p> | C-M00254-20 | | | | | | |
| <div>WILL BE DISCONTINUED</div>  | <p>Flatline vacuum inner part C-M00254-21</p> <p>material: brass mounting method: click on weight: 55 g</p> <p>inclusive: o-ring (53 x 2 mm)</p> <p>suitable for: Flatline vacuum body: C-M00254-10, C-M00255-10</p> | C-M00254-21 | | | | | | |
|  | <p>Flatline vacuum body series M-0025X-10</p> <p>material: brass outside Ø: 74 mm drill Ø: 64 mm key: P-M00254-50</p> <p>suitable for: vacuum fitting 90°: P-5000-1, P-5000-2 vacuum fitting straight: P-5001 safety suction: P-72133, P-72035</p> | <table><tr><th>wall thickness</th><th>weight</th></tr><tr><td>2 - 10 mm</td><td>110 g</td></tr><tr><td>2 - 20 mm</td><td>167 g</td></tr></table> <p>C-M00254-10 C-M00255-10</p> | wall thickness | weight | 2 - 10 mm | 110 g | 2 - 20 mm | 167 g |
| wall thickness | weight | | | | | | | |
| 2 - 10 mm | 110 g | | | | | | | |
| 2 - 20 mm | 167 g | | | | | | | |

Vacuum fitting - structure



The suitable fittings for the pipe work are found in the chapter „Fitting“.
Please replace the X by the desired color code shown on the inside front cover legend!

| VACUUM FITTING | Order No. |
|---|---|
|  <p>Vacuum cover 4031-1 material: plastic outside Ø: 67 mm height: 10 mm mounting method: click on weight: 9 g</p> <p>suitable for: vacuum connection part: P-4013</p> | P-W-4031-1 P-C-4031-1 |
|  <p>Safety cover 4031-2 material: plastic outside Ø: 67 mm height: 10 mm mounting method: screw (thread M8) weight: 10 g</p> <p>suitable for: vacuum connection part: P-4013</p> <p>A screwdriver is required for installation!</p> | P-W-4031-2 P-C-4031-2 |
| <div>WILL BE DISCONTINUED</div>  <p>Safety cover 4032-2 material: brass / plastic outside Ø: 69 mm height: 10 mm mounting method: screw (thread M8) weight: 79 g</p> <p>suitable for: vacuum connection part: P-4013</p> <p>A screwdriver is required for installation!</p> | C-4032-2 B-4032-2 GP-4032-2 W-4032-2 |
|  <p>Vacuum cover 5031-1 material: plastic outside Ø: 90 mm height: 10 mm mounting method: click on weight: 14 g</p> <p>suitable for: vacuum connection part: P-5013</p> | P-W-5031-1 P-C-5031-1 |
|  <p>Safety cover 5031-2 material: plastic outside Ø: 90 mm height: 10 mm mounting method: screw (thread M8) weight: 17 g</p> <p>suitable for: vacuum connection part: P-5013</p> <p>A screwdriver is required for installation!</p> | P-W-5031-2 P-C-5031-2 |

| VACUUM FITTING | Order No. |
|--|---|
|  <p>Safety cover 5032 material: plastic outside Ø: 98 mm height: 26 mm mounting method: screws (stainless steel screws, lens head screw 3,5x25 mm) weight: 42 g</p> <p>suitable for: vacuum connection part: P-5012</p> <p>A screwdriver is required for installation!</p> | P-W-5032 P-C-5032 |
|  <p>Vacuum cover 5033-1 material: plastic outside Ø: 90 mm height: 18 mm mounting method: click on weight: 21 g</p> <p>suitable for: vacuum connection part: P-5013</p> | P-W-5033-1 P-C-5033-1 |
|  <p>Safety cover 5033-2 material: plastic outside Ø: 90 mm height: 18 mm mounting method: screw (thread M8) weight: 22 g</p> <p>suitable for: vacuum connection part: P-5013</p> <p>A screwdriver is required for installation!</p> | P-W-5033-2 P-C-5033-2 |
| <div style="background-color: #0056b3; color: white; padding: 5px; transform: rotate(-45deg); display: inline-block;">WILL BE DISCONTINUED</div>  <p>Safety cover 5032-2 material: brass / plastic outside Ø: 90 mm height: 10 mm mounting method: screw (thread M8) weight: 120 g</p> <p>suitable for: vacuum connection part: P-5013</p> <p>A screwdriver is required for installation!</p> | C-5032-2 B-5032-2 GP-5032-2 W-5032-2 |
|  <p>Safety cover 0072-2 material: brass outside Ø: 96 mm height: 10 mm mounting method: screw (thread M8) weight: 79 g</p> <p>suitable for: vacuum connection part: P-5013</p> <p>A screwdriver is required for installation!</p> | C-0072-2 B-0072-2 GP-0072-2 W-0072-2 |

| VACUUM FITTING | Order No. |
|--|---|
|  <p>Vacuum cover 0065</p> <p>material: brass outside Ø: 96 mm height: 18 mm mounting method: screw on (thread 1 ½") weight: 123 g</p> <p>suitable for: vacuum connection part: P-5012</p> | C-0065 B-0065 GP-0065 W-0065 |
|  <p>Vacuum cover 0077</p> <p>material: brass outside Ø: 96 mm height: 18 mm mounting method: screw on (thread 1 ½") weight: 116 g</p> <p>suitable for: vacuum connection part: P-5012</p> | C-0077 B-0077 GP-0077 W-0077 |
|  <p>Safety cover 0069-2</p> <p>material: brass outside Ø: 96 mm height: 18 mm mounting method: screws (flathead screws M3x16 mm) weight: 81 g</p> <p>suitable for: vacuum connection part: P-5012</p> | C-0069-2 B-0069-2 GP-0069-2 W-0069-2 |
|  <p>Vacuum connection part 4013</p> <p>material: plastic drill Ø: 51 mm wall thickness: 3 - 11 mm key: P-0147 weight: 20 g</p> <p>suitable for: vacuum fitting 90°: P-4000-1, P-4000-2 vacuum fitting straight: P-4001 safety suction: P-72134</p> | P-4013 |
|  <p>Vacuum connection part 5013</p> <p>material: plastic drill Ø: 64 mm wall thickness: 3 - 17 mm key: P-0147 weight: 60 g</p> <p>suitable for: vacuum fitting 90°: P-5000-1, P-5000-2 vacuum fitting straight: P-5001 safety suction: P-72133, P-72035</p> | P-5013 |

| VACUUM FITTING | | | Order No. | | | | | | | | |
|---|--|---------|-----------|--------|--|----------------------------|-------|--|--------------------------|-------|----------------------|
|  | <p>Vacuum connection part 5012</p> <p>material: plastic drill Ø: 64 mm wall thickness: 3 - 17 mm key: P-0520 weight: 61 g</p> <p>suitable for: vacuum fitting 90°: P-5000-1, P-5000-2 vacuum fitting straight: P-5001 safety suction: P-72133, P-72035</p> | P-5012 | | | | | | | | | |
|  | <p>Vacuum fitting 90° series 4000-X</p> <p>material: plastic adhesive socket Ø : 40 mm (inside) 50 mm (outside)</p> <table><thead><tr><th></th><th>variant</th><th>weight</th></tr></thead><tbody><tr><td></td><td>connection Ø 8 mm - closed</td><td>104 g</td></tr><tr><td></td><td>connection Ø 8 mm - open</td><td>102 g</td></tr></tbody></table> | | variant | weight | | connection Ø 8 mm - closed | 104 g | | connection Ø 8 mm - open | 102 g | P-4000-1 P-4000-2 |
| | variant | weight | | | | | | | | | |
| | connection Ø 8 mm - closed | 104 g | | | | | | | | | |
| | connection Ø 8 mm - open | 102 g | | | | | | | | | |
|  | <p>Vacuum fitting straight 4001</p> <p>material: plastic adhesive socket Ø : 40 mm (inside) 50 mm (outside) weight: 67 g</p> | P-4001 | | | | | | | | | |
|  | <p>Safety suction 90° 72134</p> <p>adhesive socket Ø : 40 mm (inside) 50 mm (outside) weight: 131 g</p> <p>consists of: 1 pc. vacuum fitting 90° - connection open (P-4000-2) 0.5 m hose (P-10-08) 1 pc. one ear hose clip (ST-1003) 1 pc. adhesive pipe clip (P-606710) 1 pc. body (P-72033-1) 1 pc. body-installed valve (P-0349-1)</p> <p>suitable for: jet pumps series 1711-XXX, 1712-XXX, 2611-XXX, 2612-XXX, 3611-XXX, 3612-XXX, 4611-XXX, 4612-XXX</p> <p>Prevents foreign substances from being sucked in! If the vacuum fitting is partly or completely covered, the valve opens instantly. In this way the jet pump sucks air and the suction effect at the vacuum fitting drops immediately.</p> | P-72134 | | | | | | | | | |

| VACUUM FITTING | Order No. | | | | | | |
|--|-----------|--------|----------------------------|-------|--------------------------|-------|----------------------|
|  <p>Vacuum fitting 90° series 5000-X material: plastic adhesive socket Ø: 50 mm</p> <table border="1"> <thead> <tr> <th>variant</th><th>weight</th></tr> </thead> <tbody> <tr> <td>connection Ø 8 mm - closed</td><td>135 g</td></tr> <tr> <td>connection Ø 8 mm - open</td><td>132 g</td></tr> </tbody> </table> | variant | weight | connection Ø 8 mm - closed | 135 g | connection Ø 8 mm - open | 132 g | P-5000-1 P-5000-2 |
| variant | weight | | | | | | |
| connection Ø 8 mm - closed | 135 g | | | | | | |
| connection Ø 8 mm - open | 132 g | | | | | | |
|  <p>Vacuum fitting straight 5001 material: plastic adhesive socket Ø: 50 mm weight: 98 g</p> | P-5001 | | | | | | |
|  <p>Safety suction 90° 72133 adhesive socket Ø: 50 mm weight: 161 g</p> <p>consists of: 1 pc. vacuum fitting 90° - connection open (P-5000-2) 0.5 m hose (P-10-08) 1 pc. one ear hose clip (ST-1003) 1 pc. adhesive pipe clip (P-606710) 1 pc. body (P-72033-1) 1 pc. body-installed valve (P-0349-1)</p> <p>suitable for: jet pumps series 1711-XXX, 1712-XXX, 2611-XXX, 2612-XXX, 3611-XXX, 3612-XXX, 4611-XXX, 4612-XXX</p> <p>Prevents foreign substances from being sucked in! If the vacuum fitting is partly or completely covered, the valve opens instantly. In this way the jet pump sucks air and the suction effect at the vacuum fitting drops immediately.</p> | P-72133 | | | | | | |
|  <p>Safety suction 90° 72035 adhesive socket Ø: 50 mm weight: 265 g</p> <p>consists of: 1 pc. vacuum fitting 90° - connection open (P-5000-2) 0.5 m hose (P-10-08) 1 pc. one ear hose clip (ST-1003) 1 pc. adhesive pipe clip (P-606710) 1 pc. vacuum breaker (P-72035-1)</p> <p>The valve must be adjusted to the jet pump.</p> <p>Prevents foreign substances from being sucked in! If the vacuum fitting is partly or completely covered, the valve opens instantly. In this way the jet pump sucks air and the suction effect at the vacuum fitting drops immediately.</p> | P-72035 | | | | | | |

| VACUUM FITTING | | Order No. |
|---|---|-----------|
|  | O-ring 4000-R dimension: 53 x 3,5 mm weight: 2 g suitable for: vacuum fitting 90°: P-4000-1, P-4000-2 vacuum fitting straight: P-4001 safety suction: P-72134 | P-4000-R |
|  | Flat packing 4000-D outside Ø: 68 mm thickness: 2 mm weight: 6 g suitable for: vacuum fitting 90°: P-4000-1, P-4000-2 vacuum fitting straight: P-4001 safety suction: P-72134 | P-4000-D |
|  | O-ring 5000-R dimension: 66 x 3,5 mm weight: 3 g suitable for: vacuum fitting 90°: P-5000-1, P-5000-2 vacuum fitting straight: P-5001 safety suction: P-72133, P-72035 | P-5000-R |
|  | Flat packing 5000-D outside Ø: 84 mm thickness: 2 mm weight: 9 g suitable for: vacuum fitting 90°: P-5000-1, P-5000-2 vacuum fitting straight: P-5001 safety suction: P-72133, P-72035 | P-5000-D |
|  | Sieve 5012-10 material: stainless steel / plastic variant: grid with 0,63 mm weight: 2 g suitable for: vacuum connection part: P-5012 Will be inserted between the vacuum cover and the vacuum connection part. | P-5012-10 |

| VACUUM FITTING | Order No. |
|--|-----------|
|  <p>Tee reduced 650651 adhesive socket Ø: 50/32/50 mm</p> <p>weight: 214 g</p> <p>suitable for: vacuum breaker: P-72032</p> <p>The tee is placed between the vacuum fitting and the pump, along the suction hose/pipe as near as possible to the pump. The tee and vacuum breaker are connected by a Ø 32 mm pipe or hose as close as possible to the tub's rim.</p> | P-650651 |
|  <p>Vacuum breaker 72032 The valve must be adjusted to the jet pump.</p> <p>adhesive socket Ø: 32 mm weight: 81 g</p> <p>Prevents foreign substances from being sucked in! If the vacuum fitting is partly or completely covered, the valve opens instantly. In this way the jet pump sucks air and the suction effect at the vacuum fitting drops immediately.</p> | P-72032 |
|  <p>Vacuum breaker 72035-1 The valve must be adjusted to the jet pump.</p> <p>weight: 105 g</p> <p>suitable for: safety suction: P-72035</p> <p>Prevents foreign substances from being sucked in! If the vacuum fitting is partly or completely covered, the valve opens instantly. In this way the jet pump sucks air and the suction effect at the vacuum fitting drops immediately.</p> | P-72035-1 |
|  <p>Check valve P-0349-1 for safety suction check valve with reinforced spring</p> <p>material: plastic weight: 3 g</p> <p>suitable for: safety suction: P-72134, P-72133</p> | P-0349-1 |

DRAIN + OVERFLOW

2



Features - Drain + Overflow

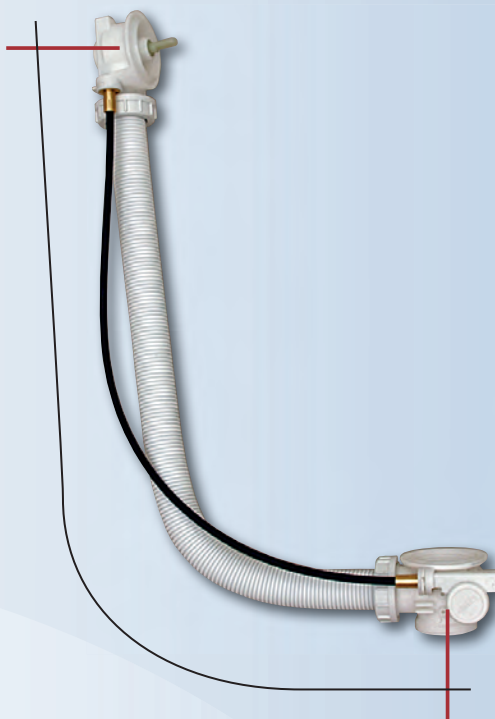
- Wide choice of models
- Brass- and plastic fittings to mix and match
- Special versions:
 - 1) with filling – integrated in the top part
 - 2) with drainage – no retained water
 - 3) bottom suction – no suction fitting necessary
- Simple installation of the plastic handle at all plastic drain- and overflows through snap connection (distance between bathtub and handle is always the same)
- Extra flat/shallow siphons for space saving installation
- Automatic filling with water level control



Drain and overflow explanation: length - width

MEASURE OF THE TOTAL LENGTH:

overall length



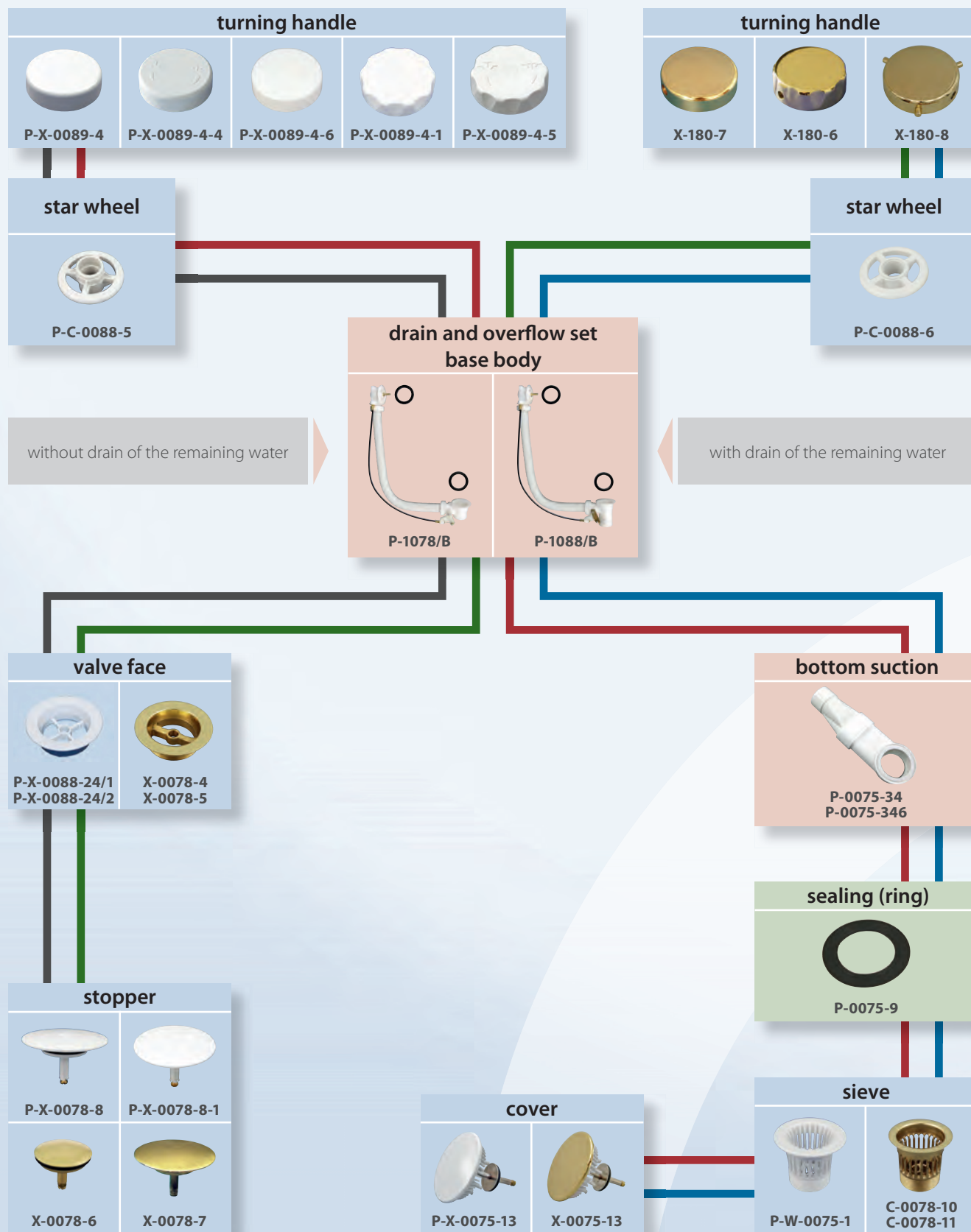
MEASURE OF LENGTH AND WIDTH:

length



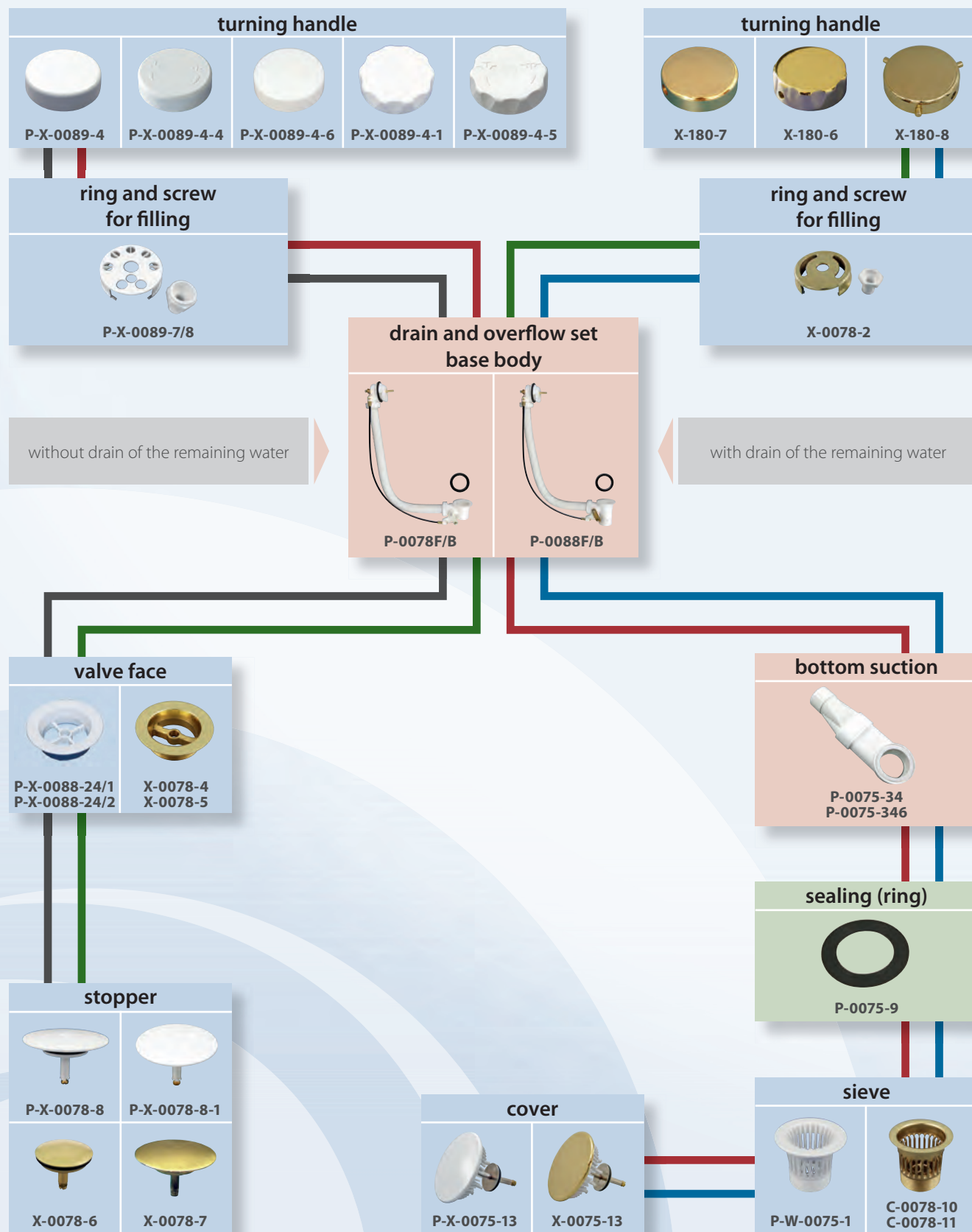
width

Drain and overflow set series P-10XX - structure



Please replace the X by the desired color code shown on the inside front cover legend!

Drain and overflow set series P-00XX - structure

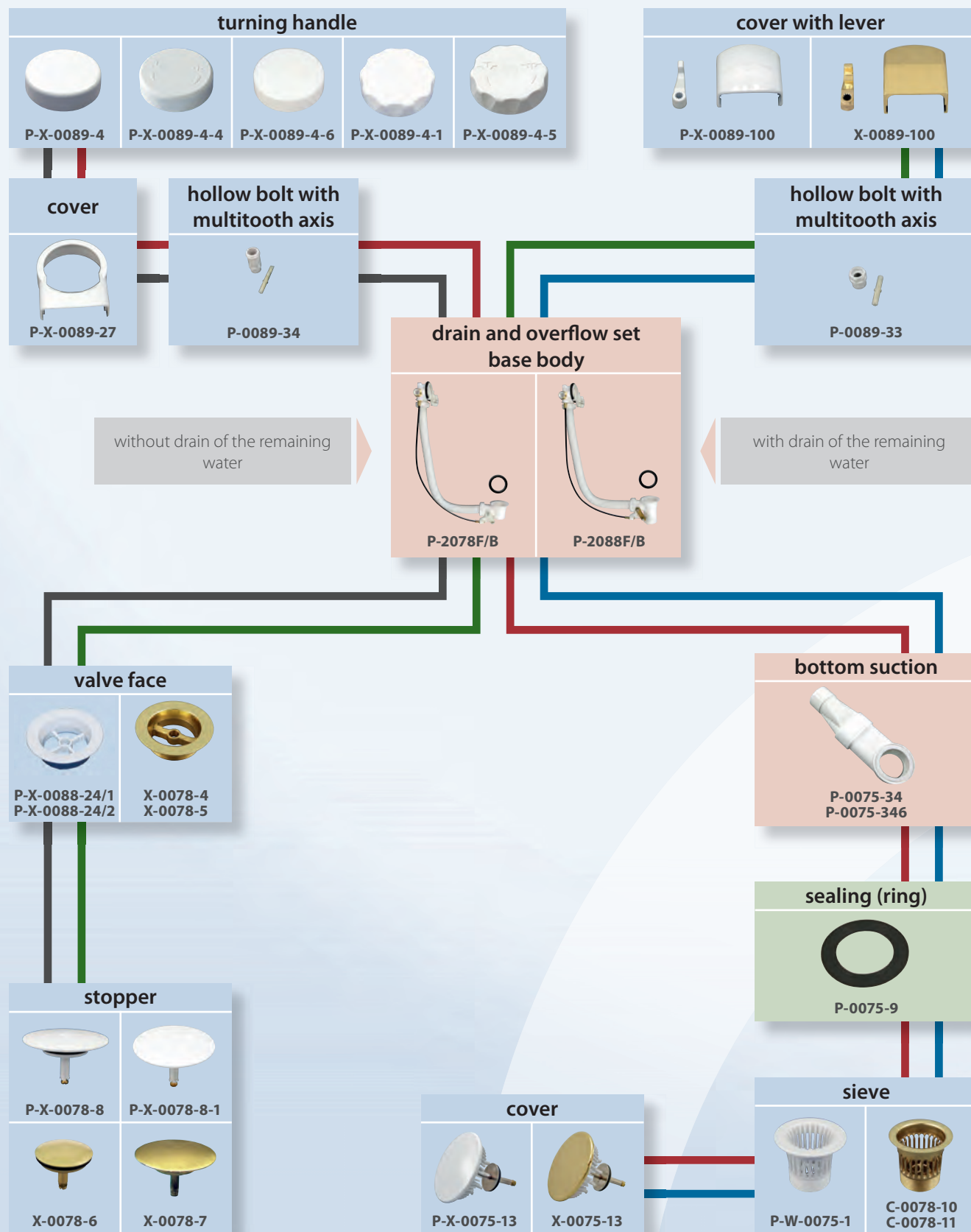


Please replace the X by the desired color code shown on the inside front cover legend!



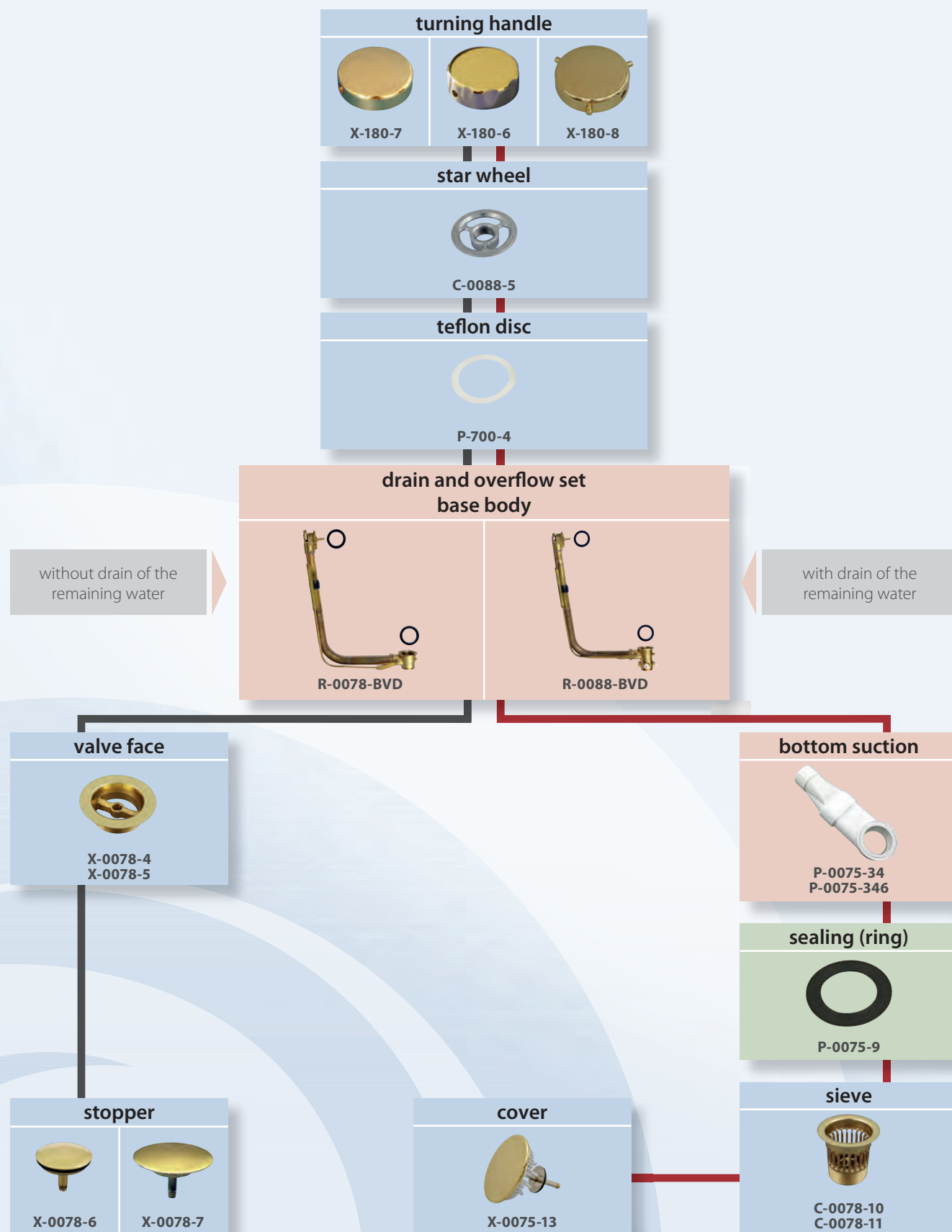
Main Catalogue system components for whirlpool tubs
 Technical specifications and printing errors are subject to change
 without prior notification. EN2122 © Copyright reserved.

Drain and overflow set series P-20XX - structure



Please replace the X by the desired color code shown on the inside front cover legend!

Drain and overflow set series R-00XX - structure

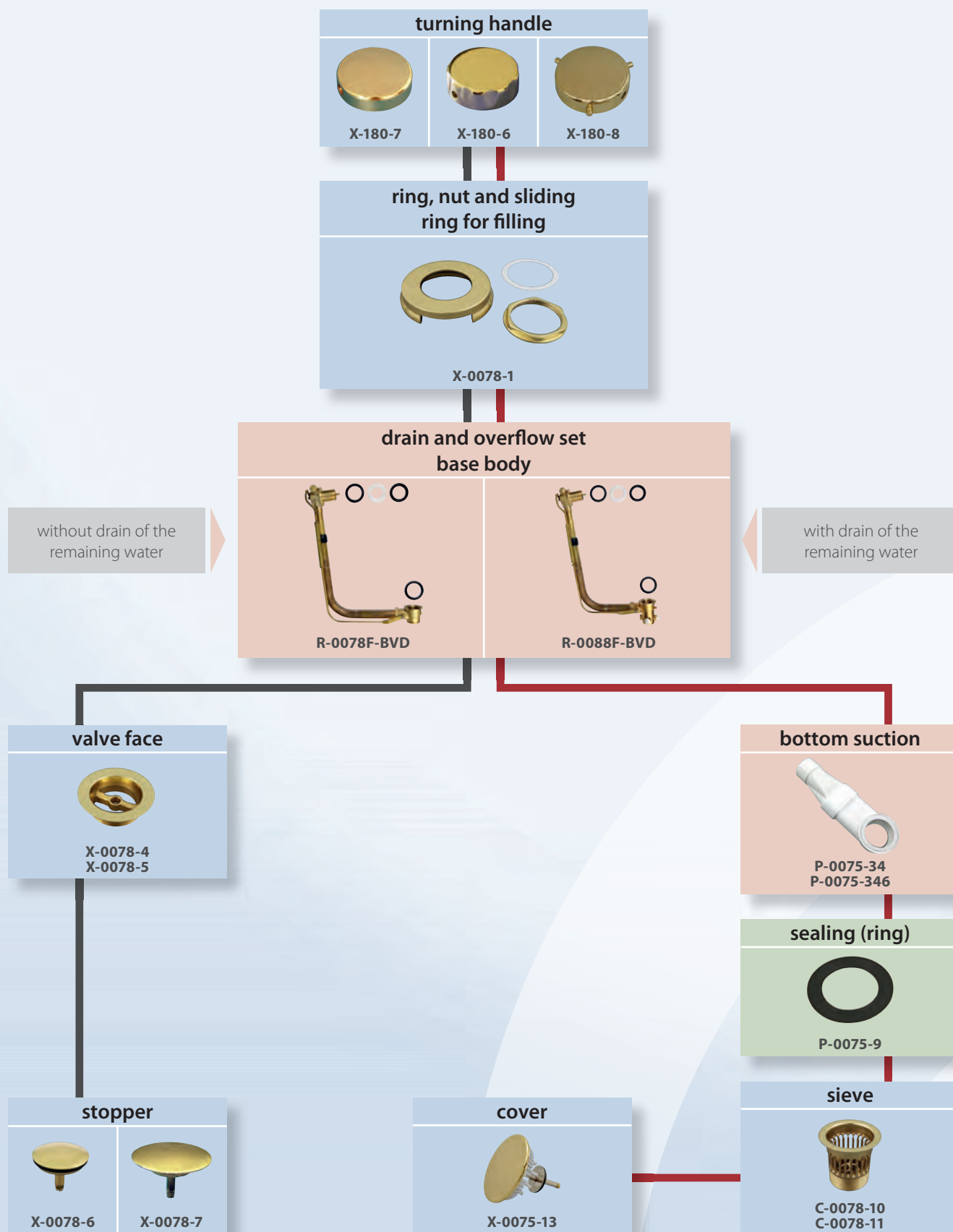


Please replace the X by the desired color code shown on the inside front cover legend!



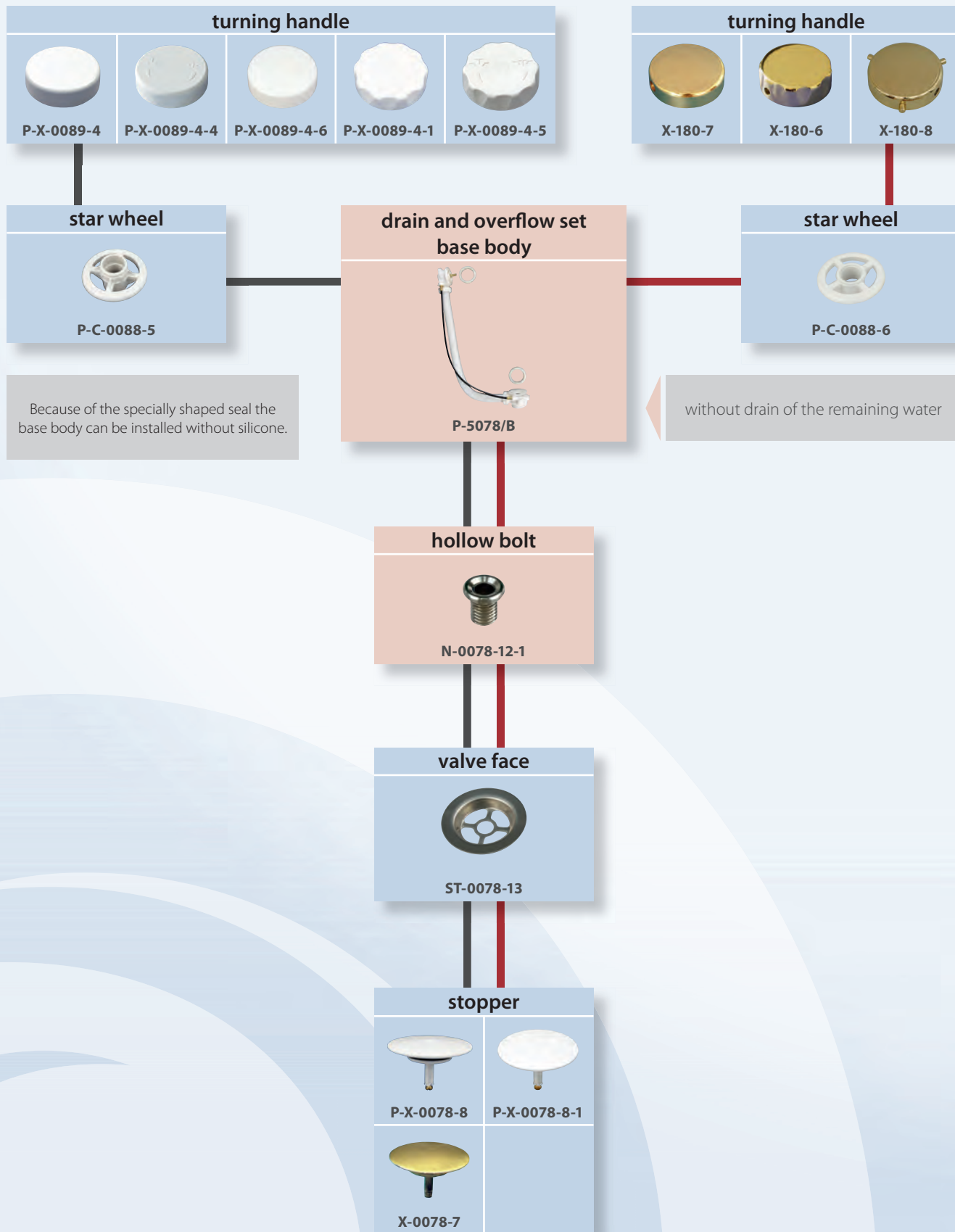
Main Catalogue system components for whirlpool tubs
 Technical specifications and printing errors are subject to change
 without prior notification. EN2122 © Copyright reserved.

Drain and overflow set series R-00XXF - structure



Please replace the X by the desired color code shown on the inside front cover legend!

Drain and overflow set c-tech series P-5078-B - structure (Installation without silicon!)

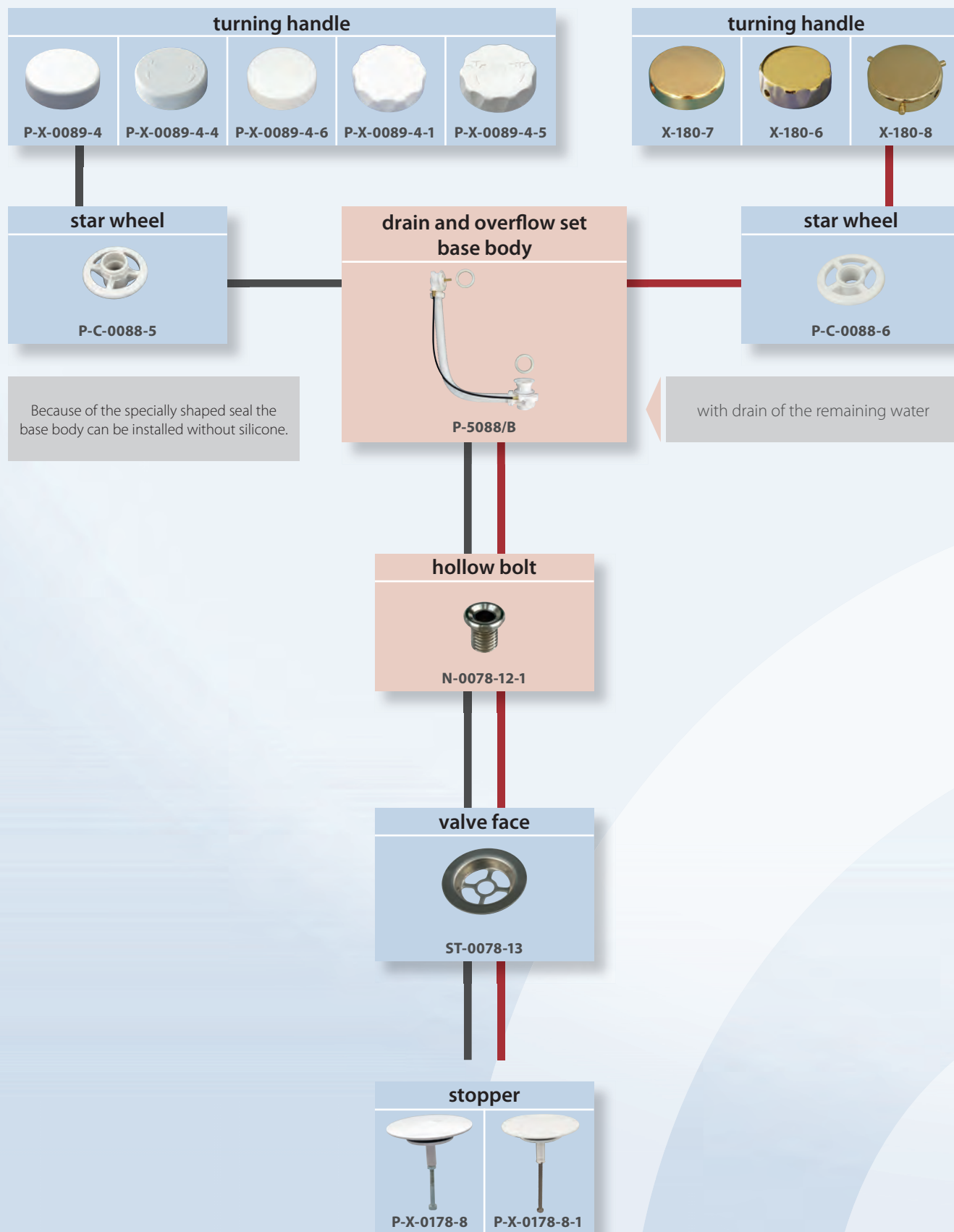


Please replace the X by the desired color code shown on the inside front cover legend!




Main Catalogue system components for whirlpool tubs
Technical specifications and printing errors are subject to change
without prior notification. EN2122 © Copyright reserved.

Drain and overflow set c-tech series P-5088-B - structure (Installation without silicon!)

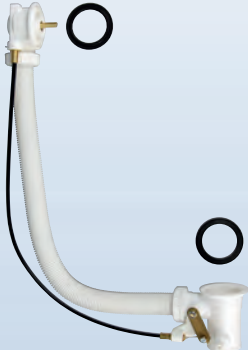
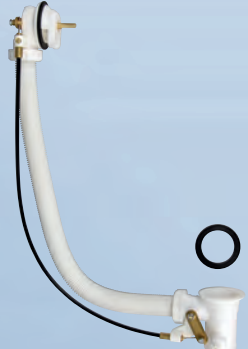






Please replace the X by the desired color code shown on the inside front cover legend!

| DRAIN AND OVERFLOW | Order No. |
|---|--------------------------|
|  <p>Drain and overflow set series 2089 drain with snap-in mechanism</p> <p>variant: plastic overall length: 650 mm drain thread: 6/4" outside thread weight: 180 g</p> <p>fits on every tub type, easier mounting Special length on request!</p> | P-W-2089 P-C-2089 |
|  <p>Drain and overflow set 3089 drain with snap-in mechanism, overflow in rectangular form</p> <p>variant: plastic overall length: 650 mm drain thread: 6/4" outside thread weight: 230 g</p> <p>fits on every tub type, easier mounting Special length on request!</p> | P-W-3089 P-C-3089 |
|  <p>Drain and overflow set series 4089 drain with snap-in mechanism</p> <p>variant: plastic overall length: 650 mm drain thread: 6/4" outside thread weight: 200 g</p> <p>fits on every tub type, easier mounting Special length on request!</p> | P-W-4089 P-C-4089 |
|  <p>Drain and overflow set series 4089-F with water intake by the overflow head drain with snap-in mechanism</p> <p>variant: plastic overall length: 650 mm drain thread: 6/4" outside thread weight: 210 g</p> <p>fits on every tub type, easier mounting Special length on request!</p> | P-W-4089-F P-C-4089-F |


| DRAIN AND OVERFLOW | Order No. |
|--|-----------|
|  <p>Drain and overflow set base body 1078-B variant: plastic with bowden cable overall length: 650 mm drain thread: 6/4" outside thread weight: 337 g</p> <p>inclusive: 2 pcs. flat packing (P-0078-4B)</p> <p>fits on every tub type, without set-up work of the bowden cable, easier mounting Special length on request!</p> | P-1078-B |
|  <p>Drain and overflow set base body 0078F-B with water intake by the overflow head</p> <p>variant: plastic with bowden cable overall length: 650 mm water intake: 3/4" outside thread outlet for water: free in the tub drain thread: 6/4" outside thread weight: 415 g</p> <p>inclusive: 2 pcs. flat packing (P-0078-4B)</p> <p>fits on every tub type, without set-up work of the bowden cable, easier mounting Special length on request!</p> | P-0078F-B |
|  <p>Drain and overflow set base body 2078F-B with water intake by the overflow head</p> <p>variant: plastic with bowden cable overall length: 650 mm water intake: 3/4" outside thread outlet for water: runs over 2 tap aerators in the tub drain thread: 6/4" outside thread weight: 397 g</p> <p>inclusive: 2 pcs. flat packing (P-0078-4B)</p> <p>fits on every tub type, without set-up work of the bowden cable, easier mounting Special length on request!</p> | P-2078F-B |

| DRAIN AND OVERFLOW | Order No. |
|---|--|
|  | <p>Drain and overflow set c-tech base body 5078-B</p> <p>variant: plastic with bowden cable overall length: 650 mm drain thread: 6/4" outside thread weight: 325 g</p> <p>inclusive: 2 pcs. c-tech packing (P-0088-66-4)</p> <p>fits on every tub type, without set-up work of the bowden cable, easier mounting Special length on request!</p> <p>P-5078-B</p> |
| <p>WILL BE DISCONTINUED</p>  | <p>Drain and overflow set base body 0078-BVD</p> <p>variant: brass with gear length: 470 mm width: 250 mm drain thread: 6/4" outside thread weight: 1.65 kg</p> <p>inclusive: 2 pcs. flat packing (P-0078-4B)</p> <p>Special length on request!</p> <p>R-0078-BVD</p> |
| <p>WILL BE DISCONTINUED</p>  | <p>Drain and overflow set base body 0078F-BVD with water intake by the overflow head</p> <p>variant: brass with gear length: 470 mm width: 250 mm water intake: 1/2" inside thread outlet for water: free in the tub drain thread: 6/4" outside thread weight: 2.1 kg</p> <p>inclusive: 2 pcs. flat packing (P-0078-4B) 1 pc. spacer ring (P-0078-2) 1 pc. flat packing (P-0078-4C)</p> <p>Special length on request!</p> <p>R-0078F-BVD</p> |

| DRAIN AND OVERFLOW | Order No. |
|--|-----------|
|  <p>Drain and overflow set base body 1088-B with drain for jet and air channel (2 x hose connection Ø 10 mm)</p> <p>different evacuation connections possible: P-0088-30A, P-0088-30C, P-0088-30D, P-0088-30F</p> <p>variant: plastic with bowden cable overall length: 650 mm drain thread: 6/4" outside thread weight: 422 g</p> <p>inclusive: 2 pcs. flat packing (P-0078-4B)</p> <p>fits on every tub type, without set-up work of the bowden cable, easier mounting Special length on request!</p> | P-1088-B |
|  <p>Drain and overflow set base body 0088F-B with water intake by the overflow head with drain for jet and air channel (2 x hose connection Ø 10 mm)</p> <p>different evacuation connections possible: P-0088-30A, P-0088-30C, P-0088-30D, P-0088-30F</p> <p>variant: plastic with bowden cable overall length: 650 mm water intake: 3/4" outside thread outlet for water: free in the tub drain thread: 6/4" outside thread weight: 500 g</p> <p>inclusive: 2 pcs. flat packing (P-0078-4B)</p> <p>fits on every tub type, without set-up work of the bowden cable, easier mounting Special length on request!</p> | P-0088F-B |
|  <p>Drain and overflow set base body 2088F-B with water intake by the overflow head with drain for jet and air channel (2 x hose connection Ø 10 mm)</p> <p>different evacuation connections possible: P-0088-30A, P-0088-30C, P-0088-30D, P-0088-30F</p> <p>variant: plastic with bowden cable overall length: 650 mm water intake: 3/4" outside thread outlet for water: runs over 2 tap aerators in the tub drain thread: 6/4" outside thread weight: 482 g</p> <p>inclusive: 2 pcs. flat packing (P-0078-4B)</p> <p>fits on every tub type, without set-up work of the bowden cable, easier mounting Special length on request!</p> | P-2088F-B |

| DRAIN AND OVERFLOW | Order No. |
|---|--|
|  | <p>Drain and overflow set c-tech base body 5088-B with drain for jet and air channel (2 x hose connection Ø 10 mm)</p> <p>different evacuation connections possible: P-0088-60, P-0088-60A, P-0088-60B, P-0088-60C, P-0088-60D</p> <p>variant: plastic with bowden cable overall length: 650 mm drain thread: 6/4" outside thread weight: 392 g</p> <p>inclusive: 2 pcs. c-tech packing (P-0088-66-4)</p> <p>fits on every tub type, without set-up work of the bowden cable, easier mounting Special length on request!</p> <p>P-5088-B</p> |
| <p>WILL BE DISCONTINUED</p>  | <p>Drain and overflow set base body 0088-BVD with drain for jet and air channel (2 x hose connection Ø 10 mm)</p> <p>different evacuation connections possible: P-0088-30A, P-0088-30C, P-0088-30D, P-0088-30F</p> <p>variant: brass with gear length: 470 mm width: 250 mm drain thread: 6/4" outside thread weight: 1.85 kg</p> <p>inclusive: 2 pcs. flat packing (P-0078-4B)</p> <p>Special length on request!</p> <p>R-0088-BVD</p> |
| <p>WILL BE DISCONTINUED</p>  | <p>Drain and overflow set base body 0088F-BVD with water intake by the overflow head with drain for jet and air channel (2 x hose connection Ø 10 mm)</p> <p>different evacuation connections possible: P-0088-30A, P-0088-30C, P-0088-30D, P-0088-30F</p> <p>variant: brass with gear length: 470 mm width: 250 mm water intake: 1/2" inside thread outlet for water: free in the tub drain thread: 6/4" outside thread weight: 2.3 kg</p> <p>inclusive: 2 pcs. flat packing (P-0078-4B) 1 pc. spacer ring (P-0078-2) 1 pc. flat packing (P-0078-4C)</p> <p>Special length on request!</p> <p>R-0088F-BVD</p> |

| DRAIN AND OVERFLOW | | | Order No. | | | | | | | | | |
|---|---|--------------------------|-----------|--------|------|--------|-------|--------|-------|---------|-------|--------------------------------------|
|  | <p>Siphon 0090-78</p> <p>material: plastic connection thread: 6/4" inside thread outlet Ø: 50 mm 40 mm weight: 123 g</p> <p>suitable for: drain and overflow set: P-X-2089, P-3089 drain and overflow base body: P-1078-B, P-0078F-B, P-2078F-B, R-0078-BVD, R-0078F-BVD drain and overflow C-Tech base body: P-5078-B</p> | P-0090-78 | | | | | | | | | | |
|  | <p>Siphon 0090-88</p> <p>material: plastic connection thread: 6/4" inside thread outlet Ø: 50 mm 40 mm weight: 119 g</p> <p>suitable for: drain and overflow base body: P-1088-B, P-0088F-B, P-2088F-B, R-0088-BVD, R-0088F-BVD drain and overflow C-Tech base body: P-5088-B</p> | P-0090-88 | | | | | | | | | | |
|  | <p>Flexible connecting piece series 0250 between siphon and outlet</p> <p>material: plastic socket Ø : 50 mm (inside) outlet Ø: 40 mm 50 mm</p> <table><thead><tr><th>length</th><th>weight</th></tr></thead><tbody><tr><td>250 mm</td><td>89 g</td></tr><tr><td>500 mm</td><td>120 g</td></tr><tr><td>750 mm</td><td>165 g</td></tr><tr><td>1000 mm</td><td>209 g</td></tr></tbody></table> | length | weight | 250 mm | 89 g | 500 mm | 120 g | 750 mm | 165 g | 1000 mm | 209 g | P-0250 P-0500 P-0750 P-1000 |
| length | weight | | | | | | | | | | | |
| 250 mm | 89 g | | | | | | | | | | | |
| 500 mm | 120 g | | | | | | | | | | | |
| 750 mm | 165 g | | | | | | | | | | | |
| 1000 mm | 209 g | | | | | | | | | | | |
|  | <p>Overflow 10030</p> <p>material: plastic fitting length: 50 mm wall thickness: 2 - 6 mm length: 170 mm width: 24 mm connection Ø : 26 mm outside diameter to plug in weight: 95 g</p> <p>consists of: cover (P-X-10030-2), body (P-10030-1), 2 pcs. holding bow (P-10030-4), sealing and screws</p> <p>ATTENTION! Parts are not preassembled.</p> | P-W-10030 P-C-10030 | | | | | | | | | | |
|  | <p>Turning handle 0089-4</p> <p>material: plastic cover Ø: 75 mm height: 21 mm mounting method: click on weight: 26 g</p> <p>suitable for: star wheel: P-C-0088-5 ring and screw for filling: P-X-0089-7-8 cover: P-X-0089-27</p> | P-W-0089-4 P-C-0089-4 | | | | | | | | | | |

| DRAIN AND OVERFLOW | | Order No. |
|---|--|---|
|  | Turning handle 0089-4-6 smooth surface material: plastic cover Ø: 75 mm height: 23 mm mounting method: click on weight: 30 g suitable for: star wheel: P-C-0088-5 ring and screw for filling: P-X-0089-7-8 cover: P-X-0089-27 | P-W-0089-4-6 P-C-0089-4-6 |
| | Turning handle 0089-4-4 material: plastic cover Ø: 75 mm height: 21 mm mounting method: click on symbol: open/closed weight: 26 g suitable for: star wheel: P-C-0088-5 ring and screw for filling: P-X-0089-7-8 cover: P-X-0089-27 | P-W-0089-4-4 P-C-0089-4-4 |
| | Turning handle 0089-4-1 material: plastic cover Ø: 75 mm height: 21 mm mounting method: click on weight: 28 g suitable for: star wheel: P-C-0088-5 ring and screw for filling: P-X-0089-7-8 cover: P-X-0089-27 | P-W-0089-4-1 P-C-0089-4-1 |
| | Turning handle 0089-4-5 material: plastic cover Ø: 75 mm height: 21 mm mounting method: click on symbol: open/closed weight: 28 g suitable for: star wheel: P-C-0088-5 ring and screw for filling: P-X-0089-7-8 cover: P-X-0089-27 | P-W-0089-4-5 P-C-0089-4-5 |
| | Turning handle 180-7 material: brass cover Ø: 70 mm height: 23 mm mounting method: screw on (set screw M6x12 mm) weight: 170 g suitable for: star wheel: P-C-0088-6, C-0088-5 ring and screw for filling: X-0078-2 | C-180-7 B-180-7 GP-180-7 W-180-7 |

| DRAIN AND OVERFLOW | | Order No. |
|---|--|---|
|  | <p>Turning handle 180-6</p> <p>material: brass cover Ø: 70 mm height: 23 mm mounting method: screw on (set screw M6x12 mm) weight: 210 g</p> <p>suitable for: star wheel: P-C-0088-6, C-0088-5 ring and screw for filling: X-0078-2</p> | C-180-6 B-180-6 GP-180-6 W-180-6 |
|  <div>WILL BE DISCONTINUED</div> | <p>Turning handle 180-8</p> <p>material: brass cover Ø: 70 mm height: 23 mm mounting method: screw on (set screw M6x12 mm) weight: 178 g</p> <p>suitable for: star wheel: P-C-0088-6, C-0088-5 ring and screw for filling: X-0078-2</p> <p>Because of the 3 inwrought cylinder the turning handle is also optimal to use with wet hands.</p> | C-180-8 B-180-8 GP-180-8 W-180-8 |
|  | <p>Star wheel P-X-0088-5</p> <p>material: plastic key: P-0188-20 P-0088-5-20 weight: 17 g</p> <p>suitable for: drain and overflow base body: P-1078-B, P-1088-B drain and overflow C-Tech base body: P-5078-B, P-5088-B</p> | P-C-0088-5 |
|  | <p>Star wheel P-X-0088-6</p> <p>material: plastic key: P-0188-20 P-0088-5-20 weight: 19 g</p> <p>suitable for: drain and overflow base body: P-1078-B, P-1088-B drain and overflow C-Tech base body: P-5078-B, P-5088-B</p> | P-C-0088-6 |
|  <div>WILL BE DISCONTINUED</div> | <p>Star wheel X-0088-5</p> <p>material: brass key: P-0188-20 weight: 65 g</p> <p>suitable for: drain and overflow base body: R-0078-BVD, R-0088-BVD</p> | C-0088-5 |

| DRAIN AND OVERFLOW | Order No. |
|--|---|
|  <p>Teflon disc 700-4 outside Ø: 63 mm thickness: 0.3 mm weight: 1 g</p> <p>suitable for: star wheel: C-0088-5</p> | P-700-4 |
|  <p>Ring and screw for filling 0089-7-8 material: plastic cover Ø: 78 mm height: 21 mm key: P-0188-20 weight: 26 g</p> <p>consists of: 1 pc. ring with gasket (P-X-0089-8-K) 1 pc. screw (P-0089-7)</p> <p>suitable for: drain and overflow base body: P-0078F-B, P-0088F-B</p> | P-W-0089-7-8 P-C-0089-7-8 |
|  <p>Ring and screw for filling 0078-2 material: brass / plastic cover Ø: 82 mm height: 22 mm key: P-0188-20 weight: 260 g</p> <p>consists of: 1 pc. ring with sealing cord (X-0078-2-1) 1 pc. screw (P-0089-7-K)</p> <p>suitable for: drain and overflow base body: P-0078F-B, P-0088F-B</p> | C-0078-2 B-0078-2 GP-0078-2 W-0078-2 |
|  <p>Ring, nut and sliding ring for filling 0078-1 material: brass cover Ø: 80 mm height: 20 mm wrench size: 46 mm weight: 320 g</p> <p>consists of: 1 pc. ring with sealing cord (X-0078-1-1) 1 pc. teflon disc (WV-DE-00064) 1 pc. nut (HF-HF-01560)</p> <p>suitable for: drain and overflow base body: R-0078F-BVD, R-0088F-BVD</p> | C-0078-1 B-0078-1 GP-0078-1 W-0078-1 |
|  <p>Cover P-X-0089-27 material: plastic cover: 75 x 92 mm height: 32 mm weight: 26 g</p> <p>suitable for: hollow bolt with multitooth axis: P-0089-34</p> | P-W-0089-27 P-C-0089-27 |

| DRAIN AND OVERFLOW | Order No. |
|--|---|
|  <p>Cover with lever P-X-0089-100 material: plastic cover: 70 x 90 mm height: 33 mm weight: 31 g</p> <p>consists of: 1 pc. lever (P-X-0089-20-1) 1 pc. cover (P-X-0089-19)</p> <p>suitable for: hollow bolt with multitooth axis: P-0089-33</p> | P-W-0089-100 P-C-0089-100 |
| <div>WILL BE DISCONTINUED</div>  <p>Cover with lever X-0089-100 material: brass cover: 70 x 91 mm height: 32 mm weight: 410 g</p> <p>consists of: 1 pc. lever (X-0089-20) 1 pc. cover (X-0089-19)</p> <p>suitable for: hollow bolt with multitooth axis: P-0089-33</p> | C-0089-100 B-0089-100 GP-0089-100 W-0089-100 |
|  <p>Hollow bolt with multitooth axis 0089-34 material: plastic wrench size: 24 mm weight: 17 g</p> <p>suitable for: drain and overflow base body: P-2078F-B, P-2088F-B</p> | P-0089-34 |
|  <p>Hollow bolt with multitooth axis 0089-33 material: plastic wrench size: 24 mm weight: 10 g</p> <p>suitable for: drain and overflow base body: P-2078F-B, P-2088F-B</p> | P-0089-33 |
|  <p>Stopper 0078-8 material: plastic outside Ø: 70 mm weight: 23 g</p> <p>suitable for: valve face: P-X-0088-24-1, X-0078-4 valve face long: P-X-0088-24-2, X-0078-5</p> | P-W-0078-8 P-C-0078-8 |

| DRAIN AND OVERFLOW | | Order No. |
|---|--|--|
|  | <p>Stopper 0078-8-1 smooth surface</p> <p>material: plastic outside Ø: 70 mm weight: 23 g</p> <p>suitable for: valve face: P-X-0088-24-1, X-0078-4 valve face long: P-X-0088-24-2, X-0078-5</p> | <p>P-W-0078-8-1 P-C-0078-8-1</p> |
|  | <p>Stopper 0178-8</p> <p>material: plastic outside Ø: 70 mm weight: 26 g</p> <p>suitable for: valve face: ST-0078-13</p> | <p>P-W-0178-8 P-C-0178-8</p> |
|  | <p>Stopper 0178-8-1 smooth surface</p> <p>material: plastic outside Ø: 70 mm weight: 26 g</p> <p>suitable for: valve face: ST-0078-13</p> | <p>P-W-0178-8-1 P-C-0178-8-1</p> |
|  | <p>Valve face 0088-24-1</p> <p>material: plastic outside Ø: 65 mm thread length: 16 mm key: P-0188-20 P-0149 weight: 14 g</p> <p>suitable for: drain and overflow base body: P-1078-B, P-1088-B, P-0078F-B, P-0088F-B, P-2078F-B, P-2088F-B</p> | <p>P-W-0088-24-1 P-C-0088-24-1</p> |
|  | <p>Valve face long 0088-24-2</p> <p>material: plastic outside Ø: 65 mm thread length: 24 mm key: P-0188-20 P-0149 weight: 18 g</p> <p>suitable for: drain and overflow base body: P-1078-B, P-1088-B, P-0078F-B, P-0088F-B, P-2078F-B, P-2088F-B</p> | <p>P-W-0088-24-2 P-C-0088-24-2</p> |

| DRAIN AND OVERFLOW | | Order No. |
|---|--|---|
|  | <p>Stopper 0078-6</p> <p>material: brass outside Ø: 43 mm weight: 84 g</p> <p>suitable for: valve face: P-X-0088-24-1, X-0078-4 valve face long: P-X-0088-24-2, X-0078-5</p> | C-0078-6 B-0078-6 GP-0078-6 W-0078-6 |
| <div>WILL BE DISCONTINUED</div>  | <p>Stopper 0078-7</p> <p>material: brass outside Ø: 70 mm weight: 144 g</p> <p>suitable for: valve face: P-X-0088-24-1, X-0078-4 valve face long: P-X-0088-24-2, X-0078-5</p> | C-0078-7 B-0078-7 GP-0078-7 W-0078-7 |
|  | <p>Valve face 0078-4</p> <p>material: brass outside Ø: 65 mm thread length: 16 mm key: P-0188-20 P-0148 weight: 110 g</p> <p>suitable for: drain and overflow base body: P-1078-B, P-1088-B, P-0078F-B, P-0088F-B, P-2078F-B, P-2088F-B, R-0078-BVD, R-0088-BVD, R-0078F-BVD, R-0088F-BVD</p> | C-0078-4 B-0078-4 GP-0078-4 W-0078-4 |
|  | <p>Valve face long 0078-5</p> <p>material: brass outside Ø: 65 mm thread length: 24 mm key: P-0188-20 P-0148 weight: 124 g</p> <p>suitable for: drain and overflow base body: P-1078-B, P-1088-B, P-0078F-B, P-0088F-B, P-2078F-B, P-2088F-B, R-0078-BVD, R-0088-BVD, R-0078F-BVD, R-0088F-BVD</p> | C-0078-5 B-0078-5 GP-0078-5 W-0078-5 |
|  | <p>Valve face 0078-13</p> <p>material: stainless steel weight: 19 g</p> <p>suitable for: drain and overflow C-Tech base body: P-5078-B, P-5088-B</p> | ST-0078-13 |

| DRAIN AND OVERFLOW | Order No. |
|--|---|
|  <p>Valve face with stopper snap-in mechanism 0078-23 The lock will open or close by pressing.</p> <p>material: plastic cover Ø: 70 mm thread length: 16 mm key: P-0188-20 weight: 32 g</p> <p>suitable for: drain and overflow set: P-X-2089, P-X-3089, P-X-4089, P-X-4089-F</p> | P-W-0078-23 P-C-0078-23 |
|  <p>Stopper for valve face with snap-in mechanism P-X-0078-35</p> <p>material: plastic outside Ø: 70 mm mounting method: click on weight: 22 g</p> <p>suitable for: valve face with snap-in mechanism for stopper: P-X-0078-16, X-0078-16</p> | P-W-0078-35 P-C-0078-35 |
|  <p>Stopper for valve face with snap-in mechanism X-0078-35</p> <p>material: brass / plastic outside Ø: 65 mm mounting method: click on weight: 82 g</p> <p>suitable for: valve face with snap-in mechanism for stopper: P-X-0078-16, X-0078-16</p> | C-0078-35 B-0078-35 GP-0078-35 W-0078-35 |
|  <p>Valve face for stopper with snap-in mechanism P-X-0078-16</p> <p>material: plastic outside Ø: 65 mm thread length: 16 mm key: P-0188-20 weight: 10 g</p> <p>suitable for: stopper for valve face with snap-in mechanism: P-X-0078-35, X-0078-35</p> | P-W-0078-16 P-C-0078-16 |
|  <p>Valve face for stopper with snap-in mechanism X-0078-16</p> <p>material: brass outside Ø: 65 mm thread length: 16 mm key: P-0188-20 weight: 85 g</p> <p>suitable for: stopper for valve face with snap-in mechanism: P-X-0078-35, X-0078-35</p> | C-0078-16 B-0078-16 GP-0078-16 W-0078-16 |

| DRAIN AND OVERFLOW | | | | Order No. |
|---|--|--|--|---|
|  | Cover P-X-0075-13 material: plastic cover Ø: 90 mm mounting method: click on weight: 111 g inclusive: brass stopper with sealing ring suitable for: sieve: P-W-0075-1, C-0078-10, C-0078-11 | | | P-W-0075-13 P-C-0075-13 |
| | Cover X-0075-13 material: brass / plastic cover Ø: 90 mm mounting method: click on weight: 138 g inclusive: brass stopper with sealing ring suitable for: sieve: P-W-0075-1, C-0078-10, C-0078-11 | | | C-0075-13 B-0075-13 GP-0075-13 W-0075-13 |
|  | Sieve 0075-1 material: plastic outside Ø: 72 mm key: P-0188-20 P-0142 <div> <div>height</div> <div>weight</div> <div>60 mm</div> <div>34 g</div> </div> suitable for: bottom suction: P-0075-34, P-0075-346 | | | P-W-0075-1 |
|  | Sieve 0078-XX material: brass outside Ø: 65 mm key: P-0188-20 P-0142 <div> <div>height</div> <div>weight</div> <div>62 mm</div> <div>230 g</div> <div>55 mm</div> <div>192 g</div> </div> suitable for: bottom suction: P-0075-34, P-0075-346 | | | C-0078-10 C-0078-11 |
|  | Hollow bolt 0078-12-1 material: brass outside Ø: 18 mm thread: M 12 wrench size: 17 mm weight: 9 g <div> <div>wall thickness</div> <div>overall length</div> <div>thread length</div> <div>weight</div> <div>2 - 7 mm</div> <div>18 mm</div> <div>15 mm</div> <div>9 g</div> </div> suitable for: valve face: ST-0078-13 | | | N-0078-12-1 |

| DRAIN AND OVERFLOW | | | Order No. |
|--|--|---|-------------------------|
|  | Bottom suction 0075-XX material: plastic adhesive socket Ø: 40 mm (inside) 50 mm (outside) | overall length 250 mm 211 g 355 mm 332 g | P-0075-34 P-0075-346 |
| | suitable for: drain and overflow base body: P-1078-B, P-1088-B, P-0078F-B, P-0088F-B, P-2078F-B, P-2088F-B, R-0078-BVD, R-0088-BVD, R-0078F-BVD, R-0088F-BVD drain and overflow c-tech base body: P-5078-B, P-5088-B | | |
|  | Sealing 0075-9 outside Ø: 85 mm thickness: 2 mm weight: 10 g | | P-0075-9 |
|  | Flat packing 0078-XX outside Ø: 68 mm | thickness 2.5 mm 8 g 8 mm 17 g | P-0078-4B P-0078-4C |
| | suitable for: drain and overflow set: P-X-2089, P-X-3089, P-X-4089, P-X-4089-F drain and overflow base body: P-1078-B, P-1088-B, P-0078F-B, P-0088F-B, P-2078F-B, P-2088F-B, R-0078-BVD, R-0088-BVD, R-0078F-BVD, R-0088F-BVD | | |
|  | Evacuation nipple 0088-30A drain for jet or air channel wrench size: 15 mm hose connection Ø: 10 mm weight: 3 g | | P-0088-30A |
| | inclusive: o-ring (10,78 x 2,62 mm) and silicon hose piece suitable for: drain and overflow base body: P-1088-B, P-0088F-B, P-2088F-B, R-0088-BVD, R-0088F-BVD | | |
|   | Blind stopper 0088-30D drain for jet or air channel wrench size: 15 mm weight: 3 g | | P-0088-30D |
| | inclusive: o-ring (10,78 x 2,62 mm) and silicon hose piece suitable for: drain and overflow base body: P-1088-B, P-0088F-B, P-2088F-B, R-0088-BVD, R-0088F-BVD | | |

| DRAIN AND OVERFLOW | Order No. |
|---|------------|
|   <p>Evacuation socket 0088-30C drain for jet or air channel</p> <p>wrench size: 15 mm adhesive socket Ø: 10 mm weight: 4 g</p> <p>inclusive: o-ring (10,78 x 2,62 mm) and silicon hose piece</p> <p>suitable for: drain and overflow base body: P-1088-B, P-0088F-B, P-2088F-B, R-0088-BVD, R-0088F-BVD</p> | P-0088-30C |
|  <p>Evacuation connection with cartridge 0088-30F drain for jet or air channel</p> <p>wrench size: 15 mm cartridge Ø: 10 mm weight: 9 g</p> <p>inclusive: o-ring (10,78 x 2,62 mm) and silicon hose piece</p> <p>suitable for: drain and overflow base body: P-1088-B, P-0088F-B, P-2088F-B, R-0088-BVD, R-0088F-BVD</p> | P-0088-30F |
|  <p>Blind stopper 0088-60 drain for jet and air channel</p> <p>weight: 5 g</p> <p>inclusive: 2 o-rings (16 x 2,5 mm)</p> <p>suitable for: drain and overflow C-Tech base body: P-5088-B</p> | P-0088-60 |
|  <p>Evacuation nipple 1-fold 0088-60A drain for jet or air channel</p> <p>hose connection Ø: 10 mm weight: 6 g</p> <p>inclusive: 2 o-rings (16 x 2,5 mm)</p> <p>suitable for: drain and overflow C-Tech base body: P-5088-B</p> | P-0088-60A |
|  <p>Evacuation nipple 2-fold 0088-60B drain for jet and air channel</p> <p>hose connection Ø: 10 mm jet channel 10 mm air channel weight: 6 g</p> <p>inclusive: 2 o-rings (16 x 2,5 mm)</p> <p>suitable for: drain and overflow C-Tech base body: P-5088-B</p> | P-0088-60B |

| DRAIN AND OVERFLOW | Order No. |
|---|------------|
|  <p>Evacuation nipple with cartridge 1-fold 0088-60C drain for jet or air channel</p> <p>cartridge Ø: 10 mm weight: 11 g</p> <p>inclusive: 2 o-rings (16 x 2,5 mm)</p> <p>suitable for: drain and overflow C-Tech base body: P-5088-B</p> | P-0088-60C |
|  <p>Evacuation nipple with cartridge 2-fold 0088-60D drain for jet and air channel</p> <p>cartridge Ø: 10 mm jet channel 10 mm air channel weight: 18 g</p> <p>inclusive: 2 o-rings (16 x 2,5 mm)</p> <p>suitable for: drain and overflow C-Tech base body: P-5088-B</p> | P-0088-60D |
|  <p>Elbow R-0246-2 with flat packing</p> <p>material: brass / plastic thread: 3/4" inside thread 3/4" outside thread weight: 90 g</p> <p>suitable for: drain and overflow set: P-X-4089-F drain and overflow set base body: P-0078F-B, P-2078F-B, P-0088F-B, P-2088F-B</p> | R-0246-2 |



| DRAIN AND OVERFLOW | Order No. |
|--|---|
| <div> </div> <p>Automatic filling P-X-3000</p> <p>Electronic controlled filling, by operation of the push button the tub will be automatically filled. Refilling possible every time.</p> <p>weight: 1.3 kg</p> <p>consists of:</p> <ul style="list-style-type: none"> 1 pc. control panel (230-8091A-S02) 1 pc. connecting box (230-7051E) 1 pc. clip bracket straight (P-606733) 1 pc. dry-running protection sensor (010133A) 1 m connection cable line (K-315) 1 pc. push button (P-3252R) 1 pc. button ring (P-X-0121-1) 1 pc. magnetic valve (6031A-12) 1 pc. connection cable for magnetic valve (6031A-22) | <p>P-W-3000 P-C-3000</p> |
| <div> </div> <p>Automatic filling X-3000</p> <p>Electronic controlled filling, by operation of the push button the tub will be automatically filled. Refilling possible every time.</p> <p>weight: 1.3 kg</p> <p>consists of:</p> <ul style="list-style-type: none"> 1 pc. control panel (230-8091A-S02) 1 pc. connecting box (230-7051E) 1 pc. clip bracket straight (P-606733) 1 pc. dry-running protection sensor (010133A) 1 m connection cable line (K-315) 1 pc. push button (P-3252R) 1 pc. button ring (X-0121-1) 1 pc. magnetic valve (6031A-12) 1 pc. connection cable for magnetic valve (6031A-22) | <p>C-3000 B-3000 GP-3000 W-3000</p> |

DISINFECTION


3



Features - Disinfection

- Automatic disinfection unit for disinfection liquid
- Flushing system for disinfection tablets
- Container unit with peristaltic pump – chlorination of the filling water
- Disinfection liquid, Disinfection tablets, Chlorine granular, ...
- Ozonators – different models
- Magnetic valves in various connection sizes



| DISINFECTION | Order No. |
|--|--|
| <p>Disinfection unit type 230-7022A</p> <p>line voltage: 230V 50Hz system of protection: IP 55 cable length: 1.5 m principle of function: pneumatic functions: pump ON/OFF weight: 1.2 kg</p> <p>Functional description: The disinfectant is sucked into the bath water by the subpressure of the jet pump for a while. The user should make sure that the disinfectant stays in the water for at least 30 minutes.</p> <p>consists of: 1 pc. filler neck (212D-6) 1 pc. union (X-212D-1) 1 m hose Ø 20 mm (P-020) 2 pcs. push button cover (X-0049-8) 2 pcs. press button (X-0111-1-37) 2 pcs. push button lower part (P-0111-BVD) 2 pcs. hose (P-004) for button, each 1,2 m 1 pc. control panel (230-7022A) internal pre-wired</p> <p>following components are already pre-mounted: 1 pc. disinfection liquid bottle with nipple 1 pc. magnetic valve (6031A-16) 1 pc. connection cable for magnetic valve (6031A-20) 2,5 m hose (212D-5) 3 pc. nipple with o-ring (SR4-212D-2)</p>  | <p>C-230-7022A B-230-7022A GP-230-7022A W-230-7022A</p> |

| DISINFECTION | Order No. |
|--|---|
| <div>  </div> <p>Tank unit type 230-6011A with 1,5 m cable</p> <p>line voltage: 230V 50Hz system of protection: IP 55 cable length: 1.5 m principle of function: electronic weight: 1.2 kg</p> <p>Functional description: The disinfectant is sucked into the bath water by the subpressure of the jet pump. The dosage is determined by the magnetic valve's open time period and the negative pressure.</p> <p>consists of: 1 pc. filler neck (212D-6) 1 pc. union (X-212D-1) 1 m hose Ø 20 mm (P-020)</p> <p>following components are already pre-mounted on an angular board made of plastic: 1 pc. disinfection liquid bottle with nipple 1 pc. level indicator sensor (010133A-4) 1 pc. magnetic valve (6031A-16) 1 pc. connection cable for magnetic valve (6031A-20) 2,5 m hose (212D-5) 3 pc. nipple with o-ring (SR4-212D-2)</p> <p>suitable for: electronic control panels: 230-8022A-SXX (e.g. S05, etc.) 230-8014A-SXX (e.g. S01, S04, etc.) 230-8014B-SXX (e.g. S01, S04, etc.)</p> | C-230-6011A B-230-6011A GP-230-6011A W-230-6011A |
| <div>  </div> <p>Tank unit type 230-6011B with 2,5 m cable</p> <p>line voltage: 230V 50Hz system of protection: IP 55 cable length: 2.5 m principle of function: electronic weight: 1.3 kg</p> <p>Functional description: The disinfectant is sucked into the bath water by the subpressure of the jet pump. The dosage is determined by the magnetic valve's open time period and the negative pressure.</p> <p>consists of: 1 pc. filler neck (212D-6) 1 pc. union (X-212D-1) 1 m hose Ø 20 mm (P-020)</p> <p>following components are already pre-mounted on an angular board made of plastic: 1 pc. disinfection liquid bottle with nipple 1 pc. level indicator sensor (010133A-5) 1 pc. magnetic valve (6031A-16) 1 pc. connection cable for magnetic valve (6031A-21) 2,5 m hose (212D-5) 3 pc. nipple with o-ring (SR4-212D-2)</p> <p>suitable for: electronic control panels: 230-8022A-SXX (e.g. S05, etc.) 230-8014A-SXX (e.g. S01, S04, etc.) 230-8014B-SXX (e.g. S01, S04, etc.)</p> | C-230-6011B B-230-6011B GP-230-6011B W-230-6011B |

| DISINFECTION | Order No. |
|---|--|
| <div> </div> <p>Tank unit with peristaltic pump type 230-6071A with 1,5 m cable</p> <p>line voltage: 230V 50Hz system of protection: IP 55 cable length: 2 m principle of function: electronic weight: 1.3 kg</p> <p>Functional description: The disinfection liquid is pumped into the tub via the peristaltic pump. The pump running time determines the dosage of the disinfection liquid (thus ensuring exact dosage). As disinfectant can be used the KOLLER disinfection liquid (article number 70-107) as well as liquid chlorine (article number 6071-4).</p> <p>consists of: 1 pc. filler neck (212D-6) 1 pc. union (X-212D-1) 1 m hose Ø 20 mm (P-020)</p> <p>following components are already pre-mounted on an angular board made of plastic: 1 pc. disinfection liquid bottle 1 pc. peristaltic pump unit 1 pc. level indicator sensor (010133A-4) 2,5 m hose (212D-5) 1 pc. nipple with o-ring and check valve (SR4-6071-2)</p> <p>suitable for: electronic control panels: 230-8014A-S31 230-8014A-S34 230-8014A-S35</p> <p>Suitable also for air systems</p> | <p>C-230-6071A B-230-6071A GP-230-6071A W-230-6071A</p> |
| <div> </div> <p>Replacement hose 6071-7</p> <p>weight: 10 g</p> <p>suitable for: tank unit with peristaltic pump: Type 230-6071A</p> | <p>6071-7</p> |
| <div> </div> <p>Nipple with o-ring and check valve 6071-2</p> <p>material: stainless steel (V4A) / plastic connection: 1/4" outside thread weight: 18 g</p> <p>suitable for: tank unit with peristaltic pump: Type 230-6071A</p> | <p>SR4-6071-2</p> |

| DISINFECTION | Order No. |
|--|---|
| <div> Flushing system type 230-6031A screwing - plastic </div> <div> with safety lock </div> <div> principle of function: electronic weight: 1.2 kg </div> <div> Functional description: </div> <div> When the tub is empty, fresh water passes through the container (installed on the rim of the tub and filled with disinfection tablets) and is distributed throughout the system. The pipework is rinsed and disinfected. Depending on the chosen control panel, activation may be effected automatically or manually via a button. </div> <div> consists of: </div> <div> 1 pc. container (P-7021) 1 pc. cover (P-X-7022) 1 pc. magnetic valve (6031A-12) 1 pc. connection cable for magnetic valve (6031A-22) 1 pc. check valve (6031A-31) 1 pc. elbow 90° (P-650110-A) 2 pcs. adaption socket nipple (P-653010) 2 pcs. screwed nipple (6031A-1) 1 pc. tee (P-650830) 1 m hose Ø 20 mm (P-020) 0,5 m hose ID 10 mm (P-016) 1 pc. sieve (243) 2 pcs. one ear hose clip (VZ-11703) 1 pc. adaption nipple (P-653330) </div> <div> suitable for: </div> <div> electronic control panels: 230-8091A-S06 230-8022A-S09 230-8014A-SXX (e.g. S02, S05, etc.) 230-8014B-SXX (e.g. S02, S05, etc.) </div> <div> Through the chosen software option of the electronic control the flushing system may be activated automatically or through a push button. </div> <div> Adherence of the regulations EN1717 and DIN 1988 requirements are the responsibility of the customer. </div> <div> </div> | <div> P-W-230-6031A P-C-230-6031A </div> |

| DISINFECTION | Order No. |
|---|--|
| <p>Flushing system type 230-6031A screwing - brass with safety lock</p> <p>principle of function: electronic weight: 1.3 kg</p> <p>Functional description: When the tub is empty, fresh water passes through the container (installed on the rim of the tub and filled with disinfection tablets) and is distributed throughout the system. The pipework is rinsed and disinfected. Depending on the chosen control panel, activation may be effected automatically or manually via a button.</p> <p>consists of: 1 pc. container (P-7021) 1 pc. cover (P-X-7022) 1 pc. magnetic valve (6031A-12) 1 pc. connection cable for magnetic valve (6031A-22) 1 pc. check valve (6031A-31) 1 pc. elbow 90° (P-650110-A) 2 pcs. adaption socket nipple (P-653010) 2 pcs. screwed nipple (6031A-1) 1 pc. tee (P-650830) 1 m hose Ø 20 mm (P-020) 0,5 m hose ID 10 mm (P-016) 1 pc. sieve (243) 2 pcs. one ear hose clip (VZ-11703) 1 pc. adaption nipple (P-653330)</p> <p>suitable for: electronic control panels: 230-8091A-S06 230-8022A-S09 230-8014A-SXX (e.g. S02, S05, etc.) 230-8014B-SXX (e.g. S02, S05, etc.)</p> <p>Through the chosen software option of the electronic control the flushing system may be activated automatically or through a push button.</p> <p>Adherence of the regulations EN1717 and DIN 1988 requirements are the responsibility of the customer.</p>  | <p>C-230-6031A B-230-6031A GP-230-6031A W-230-6031A</p> |

| DISINFECTION | Order No. | | | | | | |
|--|-------------------|--------|-------------------------|------|--|--------|--------------------------------|
|  <p>Ozonizer type 230-6061A with hose connection straight</p> <p>line voltage: 230V 50/60Hz system of protection: IP 55 output: 14 W cable length: 2 m hose connection Ø: 10 mm (straight)</p> <table> <tr> <th>variant</th><th>weight</th></tr> <tr> <td>without lamp monitoring</td><td>1 kg</td></tr> <tr> <td>with lamp monitoring, signal delivery with signal buzzer</td><td>1.1 kg</td></tr> </table> <p>Functional description: Connection to the air channel of a jet. Air will be sucked from the ozonizer and ozone will be fed into the pool. Ozone eliminates bacteria.</p> <p>ATTENTION! Do not look into the working ozone lamp - impairment of the eyes!</p> | variant | weight | without lamp monitoring | 1 kg | with lamp monitoring, signal delivery with signal buzzer | 1.1 kg | <p>230-6061A 230-6062A</p> |
| variant | weight | | | | | | |
| without lamp monitoring | 1 kg | | | | | | |
| with lamp monitoring, signal delivery with signal buzzer | 1.1 kg | | | | | | |
|  <p>Ozonizer type 230-6061B with hose connection angled</p> <p>line voltage: 230V 50/60Hz system of protection: IP 55 output: 14 W cable length: 2 m hose connection Ø: 10 mm (angled)</p> <table> <tr> <th>variant</th><th>weight</th></tr> <tr> <td>without lamp monitoring</td><td>1 kg</td></tr> <tr> <td>with lamp monitoring, signal delivery with signal buzzer</td><td>1.1 kg</td></tr> </table> <p>Functional description: Connection to the air channel of a jet. Air will be sucked from the ozonizer and ozone will be fed into the pool. Ozone eliminates bacteria.</p> <p>ATTENTION! Do not look into the working ozone lamp - impairment of the eyes!</p> | variant | weight | without lamp monitoring | 1 kg | with lamp monitoring, signal delivery with signal buzzer | 1.1 kg | <p>230-6061B 230-6062B</p> |
| variant | weight | | | | | | |
| without lamp monitoring | 1 kg | | | | | | |
| with lamp monitoring, signal delivery with signal buzzer | 1.1 kg | | | | | | |
|  <p>Nipple with o-ring SR4-212D-2</p> <p>material: stainless steel (V4A) / plastic thread: 1/4" outside thread weight: 19 g</p> | <p>SR4-212D-2</p> | | | | | | |

| DISINFECTION | Order No. |
|--|-----------|
|  <p>Sieve 243 for flushing system</p> <p>material: stainless steel / plastic weight: 1 g</p> <p>To be installed in front of the magnetic valve.</p> | 243 |
|  <p>Check valve 6031A-31</p> <p>material: brass connection: 2 x 1/2" inside thread weight: 123 g</p> | 6031A-31 |
|  <p>Magnetic valve 1/2" 6031A-12</p> <p>material: brass line voltage: 230V 50Hz output: 13.5 W working pressure: 0.25 - 10 bar weight: 415 g</p> <p>suitable connection cable for magnetic valve: 6031A-22, 6031A-23</p> | 6031A-12 |
|  <p>Magnetic valve 1/4" 6031A-14</p> <p>material: brass line voltage: 230V 50Hz output: 13 W working pressure: 0.1 - 10 bar weight: 310 g</p> <p>suitable connection cable for magnetic valve: 6031A-20, 6031A-21</p> | 6031A-14 |

| DISINFECTION | Order No. | | | | | | |
|--|----------------|--------|-------|-------|-------|-------|----------------------|
|  <p>Magnetic valve 1/4" 6031A-16 material: stainless steel (V4A) line voltage: 220 - 250V 50/60Hz output: 16 W working pressure: -0.6 - 8 bar weight: 370 g</p> <p>suitable connection cable for magnetic valve: 6031A-20, 6031A-21</p> | 6031A-16 | | | | | | |
|  <p>Connection cable 6031A-20 for magnetic valve inclusive seal and screw</p> <table> <thead> <tr> <th>free cable end</th><th>weight</th></tr> </thead> <tbody> <tr> <td>1.6 m</td><td>128 g</td></tr> <tr> <td>2.6 m</td><td>195 g</td></tr> </tbody> </table> | free cable end | weight | 1.6 m | 128 g | 2.6 m | 195 g | 6031A-20 6031A-21 |
| free cable end | weight | | | | | | |
| 1.6 m | 128 g | | | | | | |
| 2.6 m | 195 g | | | | | | |
|  <p>Connection cable 6031A-22 for magnetic valve inclusive seal and screw</p> <table> <thead> <tr> <th>free cable end</th><th>weight</th></tr> </thead> <tbody> <tr> <td>1.6 m</td><td>125 g</td></tr> <tr> <td>2.6 m</td><td>140 g</td></tr> </tbody> </table> | free cable end | weight | 1.6 m | 125 g | 2.6 m | 140 g | 6031A-22 6031A-23 |
| free cable end | weight | | | | | | |
| 1.6 m | 125 g | | | | | | |
| 2.6 m | 140 g | | | | | | |
|  <p>Whirlpool disinfection liquid 70-107 volume: 1000 ml weight: 1.1 kg</p> <p>It is possible to get a technical data sheet on inquiry.</p> | 70-107 | | | | | | |

| DISINFECTION | Order No. |
|--|-----------|
|  <p>Whirlpool system cleaner 70-002 volume: 1000 ml weight: 1.1 kg</p> <p>It is possible to get a technical data sheet on inquiry.</p> | 70-002 |
|  <p>Disinfection tablets 241-4 for flushing system bromine tablets</p> <p style="text-align: right;">volume weight 800 g = approx. 40 pieces tablets 950 g</p> <p>It is possible to get a technical data sheet on inquiry.</p> | 241-4 |
|  <p>Chlorine granular 6071-3 for the tank unit with peristaltic pump incl. measuring cup</p> <p>volume: 1 kg weight: 1.1 kg</p> <p>It is possible to get a technical data sheet on inquiry.</p> | 6071-3 |
|  <p>Quick test test strips 6071-5 50 test strips Test strips for the determination of pH- and chlorine content in the water.</p> <p>weight: 27 g</p> | 6071-5 |

FITTING


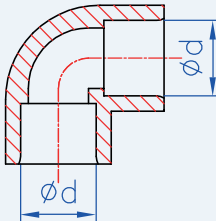

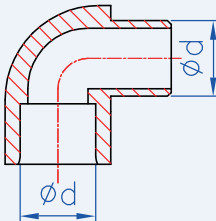

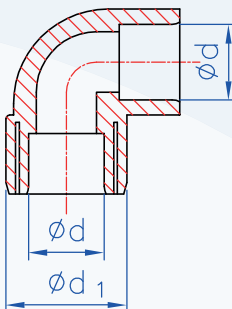

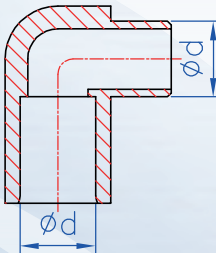

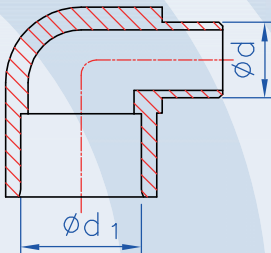
4


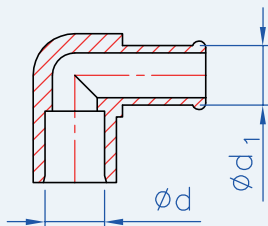
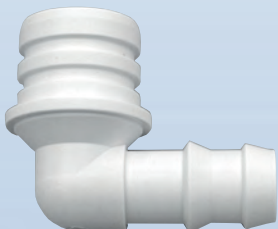
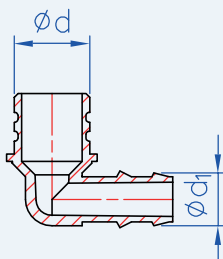
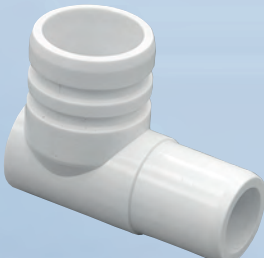
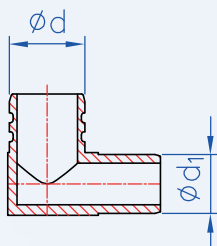

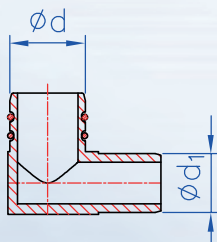
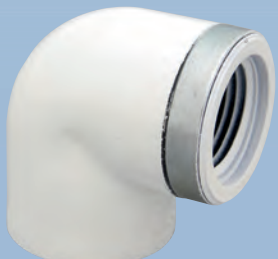
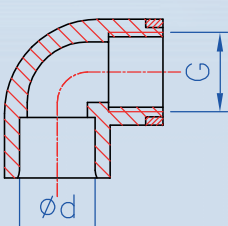



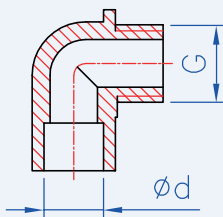

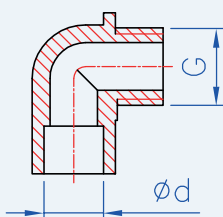

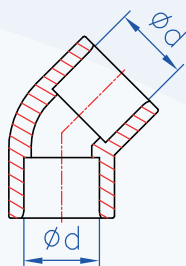

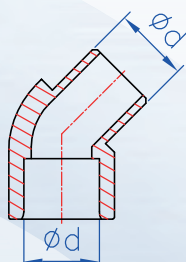

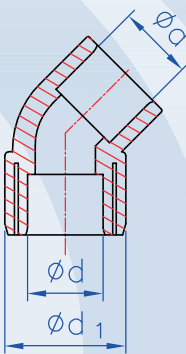
Features - Fitting


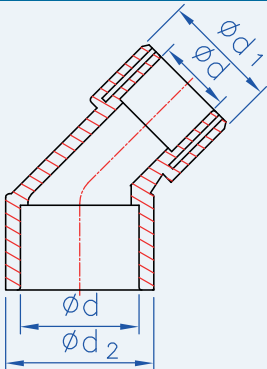
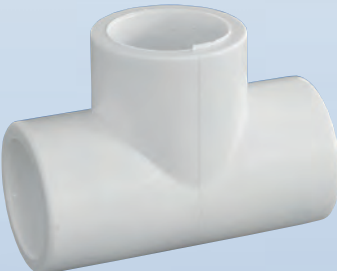
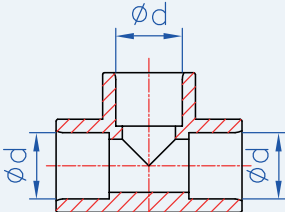

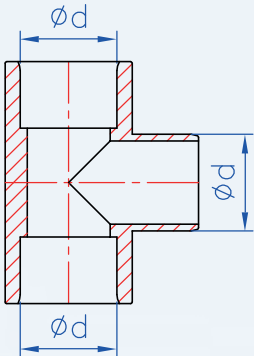

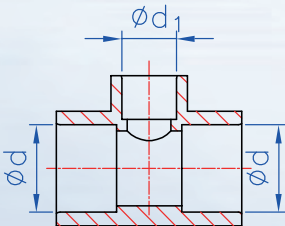

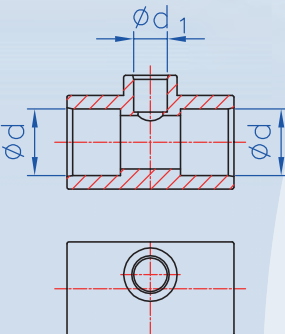
- High-quality processing, solid wall thickness, robust design
- Fitting in fitting technology:
 - 1) stepless fittings (material and labour cost savings)
 - 2) each fitting fits into its counter part - no pipe in-between
 - 3) no inner glue step - no retained water
 - 4) stepless processing - laminar flow, low noise flow rate
- Reduction fittings available – instead of 3 glue connections only 1
- Wide choice of distributors and special fittings
- Innovative clip on and fastening elements
- Huge range of cartridge components

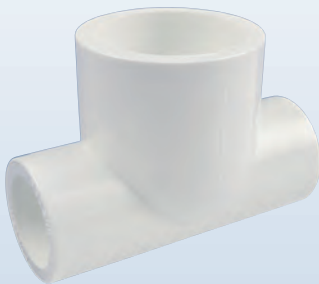
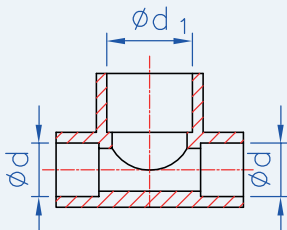
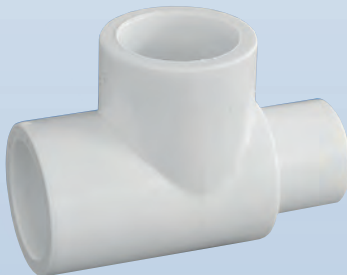
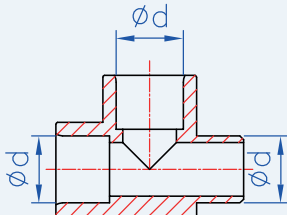

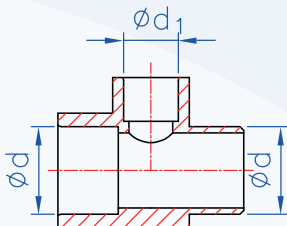

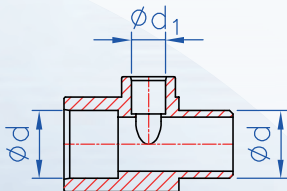
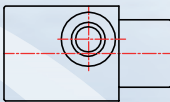

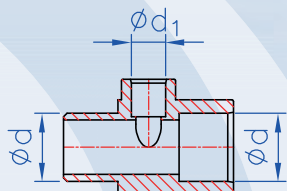
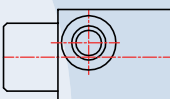


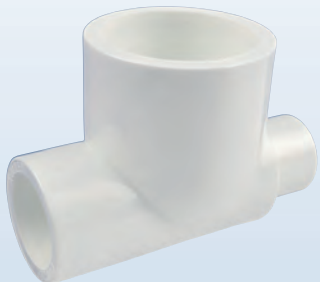
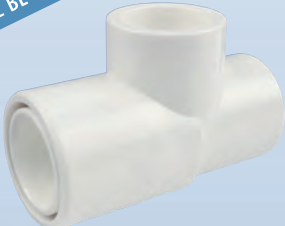



| FITTING | | | | Order No. | | | | | | | | | | | | | | | | | |
|---|---|--|--|-----------|--------|--------|-------|--|------------|--|------------|-------|------|-------|-------|--|------------|------------|------------|------------|------------|
|  |  | Elbow 90° series 600990 adhesive socket | <table><thead><tr><th>Ød</th><th>weight</th></tr></thead><tbody><tr><td>10 mm</td><td>4 g</td></tr><tr><td>20 mm</td><td>23 g</td></tr><tr><td>32 mm</td><td>56 g</td></tr><tr><td>40 mm</td><td>71 g</td></tr><tr><td>50 mm</td><td>131 g</td></tr></tbody></table> | Ød | weight | 10 mm | 4 g | 20 mm | 23 g | 32 mm | 56 g | 40 mm | 71 g | 50 mm | 131 g | <table><tbody><tr><td>P-600990</td></tr><tr><td>P-650110</td></tr><tr><td>P-650130</td></tr><tr><td>P-650140</td></tr><tr><td>P-650150</td></tr></tbody></table> | P-600990 | P-650110 | P-650130 | P-650140 | P-650150 |
| Ød | weight | | | | | | | | | | | | | | | | | | | | |
| 10 mm | 4 g | | | | | | | | | | | | | | | | | | | | |
| 20 mm | 23 g | | | | | | | | | | | | | | | | | | | | |
| 32 mm | 56 g | | | | | | | | | | | | | | | | | | | | |
| 40 mm | 71 g | | | | | | | | | | | | | | | | | | | | |
| 50 mm | 131 g | | | | | | | | | | | | | | | | | | | | |
| P-600990 | | | | | | | | | | | | | | | | | | | | | |
| P-650110 | | | | | | | | | | | | | | | | | | | | | |
| P-650130 | | | | | | | | | | | | | | | | | | | | | |
| P-650140 | | | | | | | | | | | | | | | | | | | | | |
| P-650150 | | | | | | | | | | | | | | | | | | | | | |
|  |  | Elbow 90° series 600990-A fitting in fitting | <table><thead><tr><th>Ød</th><th>weight</th></tr></thead><tbody><tr><td>10 mm</td><td>4 g</td></tr><tr><td>20 mm</td><td>20 g</td></tr><tr><td>32 mm</td><td>50 g</td></tr><tr><td>40 mm</td><td>70 g</td></tr><tr><td>50 mm</td><td>116 g</td></tr></tbody></table> | Ød | weight | 10 mm | 4 g | 20 mm | 20 g | 32 mm | 50 g | 40 mm | 70 g | 50 mm | 116 g | <table><tbody><tr><td>P-600990-A</td></tr><tr><td>P-650110-A</td></tr><tr><td>P-650130-A</td></tr><tr><td>P-650140-A</td></tr><tr><td>P-650150-A</td></tr></tbody></table> | P-600990-A | P-650110-A | P-650130-A | P-650140-A | P-650150-A |
| Ød | weight | | | | | | | | | | | | | | | | | | | | |
| 10 mm | 4 g | | | | | | | | | | | | | | | | | | | | |
| 20 mm | 20 g | | | | | | | | | | | | | | | | | | | | |
| 32 mm | 50 g | | | | | | | | | | | | | | | | | | | | |
| 40 mm | 70 g | | | | | | | | | | | | | | | | | | | | |
| 50 mm | 116 g | | | | | | | | | | | | | | | | | | | | |
| P-600990-A | | | | | | | | | | | | | | | | | | | | | |
| P-650110-A | | | | | | | | | | | | | | | | | | | | | |
| P-650130-A | | | | | | | | | | | | | | | | | | | | | |
| P-650140-A | | | | | | | | | | | | | | | | | | | | | |
| P-650150-A | | | | | | | | | | | | | | | | | | | | | |
|  |  | Elbow 90° 650110-B fitting in fitting | <table><thead><tr><th>Ød</th><th>Ød1</th><th>weight</th></tr></thead><tbody><tr><td>20 mm</td><td>32 mm</td><td>30 g</td></tr></tbody></table> | Ød | Ød1 | weight | 20 mm | 32 mm | 30 g | <table><tbody><tr><td>P-650110-B</td></tr></tbody></table> | P-650110-B | | | | | | | | | | |
| Ød | Ød1 | weight | | | | | | | | | | | | | | | | | | | |
| 20 mm | 32 mm | 30 g | | | | | | | | | | | | | | | | | | | |
| P-650110-B | | | | | | | | | | | | | | | | | | | | | |
|  |  | Elbow 90° 650110-C fitting in fitting | <table><thead><tr><th>Ød</th><th>weight</th></tr></thead><tbody><tr><td>20 mm</td><td>25 g</td></tr></tbody></table> | Ød | weight | 20 mm | 25 g | <table><tbody><tr><td>P-650110-C</td></tr></tbody></table> | P-650110-C | | | | | | | | | | | | |
| Ød | weight | | | | | | | | | | | | | | | | | | | | |
| 20 mm | 25 g | | | | | | | | | | | | | | | | | | | | |
| P-650110-C | | | | | | | | | | | | | | | | | | | | | |
|  |  | Elbow 90° 650132-A fitting in fitting | <table><thead><tr><th>Ød</th><th>Ød1</th><th>weight</th></tr></thead><tbody><tr><td>20 mm</td><td>32 mm</td><td>41 g</td></tr></tbody></table> | Ød | Ød1 | weight | 20 mm | 32 mm | 41 g | <table><tbody><tr><td>P-650132-A</td></tr></tbody></table> | P-650132-A | | | | | | | | | | |
| Ød | Ød1 | weight | | | | | | | | | | | | | | | | | | | |
| 20 mm | 32 mm | 41 g | | | | | | | | | | | | | | | | | | | |
| P-650132-A | | | | | | | | | | | | | | | | | | | | | |


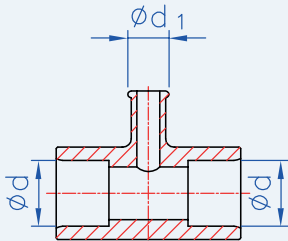

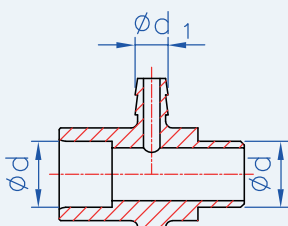

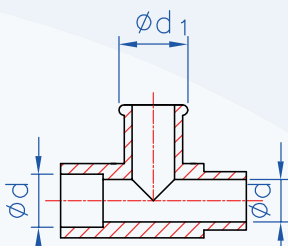

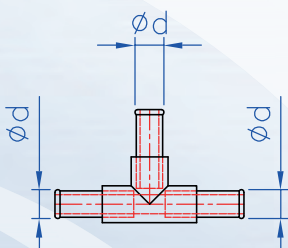

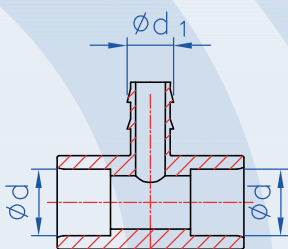
| FITTING | | | | Order No. |
|---|---|--|----------------------------|-------------|
|  |  | Elbow 90° 600990-C | | P-600990-C |
| | | Ød | hose connection Ød1 weight | |
| | | 10 mm | 10 mm 4 g | |
|  |  | Elbow 90° 12120-3 | | P-12120-3 |
| | | type of connection: gluing | | |
| | | Ød | clip on system Ød1 weight | |
| | | 20 mm | 12 mm 7 g | |
|  |  | Elbow 90° 5111015 | | P-5111015 |
| | | type of connection: gluing | | |
| | | Ød | clip on system Ød1 weight | |
| | | 20 mm | 15 mm 8 g | |
|  |  | Elbow 90° 5111015-1 | | P-5111015-1 |
| | | type of connection: plug-in | | |
| | | Ød | clip on system Ød1 weight | |
| | | 20 mm | 15 mm 8 g | |
| | | inclusive: 2 o-rings (18 x 1,5 mm) | | |
|  |  | Elbow 90° increased series 601110 | | |
| | | Ød | thread (G) weight | |
| | | 20 mm | 1/2" inside thread 35 g | P-601110 |
| | | 32 mm | 1" inside thread 84 g | P-650260 |
| | | 40 mm | 1 1/4" inside thread 107 g | P-650270 |
| | | 50 mm | 1 1/2" inside thread 187 g | P-650280 |

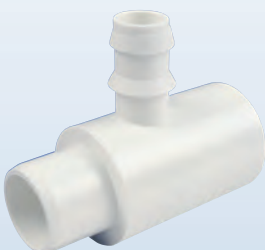




| FITTING | | | | Order No. | | | | | | | | | | | | | |
|---|---|---|--|----------------------|------------|--------|--------|-------|-------|------|------------|------|-------|------|-------|-------|--|
|  |  | Elbow 90° 600990-B Ød 10 mm adhesive socket | thread (G) 1/4" outside thread | weight 5 g | P-600990-B | | | | | | | | | | | | |
|  |  | Elbow 90° 600990-D Ød 10 mm adhesive socket inclusive: o-ring (10,78 x 2,62 mm) | thread (G) 1/4" outside thread | weight 6 g | P-600990-D | | | | | | | | | | | | |
|  |  | Elbow 45° series 601290 adhesive socket | <table><tr><th>Ød</th><th>weight</th></tr><tr><td>10 mm</td><td>3 g</td></tr><tr><td>20 mm</td><td>20 g</td></tr><tr><td>32 mm</td><td>49 g</td></tr><tr><td>40 mm</td><td>59 g</td></tr><tr><td>50 mm</td><td>112 g</td></tr></table> | | Ød | weight | 10 mm | 3 g | 20 mm | 20 g | 32 mm | 49 g | 40 mm | 59 g | 50 mm | 112 g | P-601290 P-601300 P-650310 P-650320 P-650330 |
| Ød | weight | | | | | | | | | | | | | | | | |
| 10 mm | 3 g | | | | | | | | | | | | | | | | |
| 20 mm | 20 g | | | | | | | | | | | | | | | | |
| 32 mm | 49 g | | | | | | | | | | | | | | | | |
| 40 mm | 59 g | | | | | | | | | | | | | | | | |
| 50 mm | 112 g | | | | | | | | | | | | | | | | |
|  |  | Elbow 45° series 601290-A fitting in fitting | <table><tr><th>Ød</th><th>weight</th></tr><tr><td>10 mm</td><td>3 g</td></tr><tr><td>20 mm</td><td>16 g</td></tr><tr><td>32 mm</td><td>38 g</td></tr><tr><td>40 mm</td><td>54 g</td></tr><tr><td>50 mm</td><td>95 g</td></tr></table> | | Ød | weight | 10 mm | 3 g | 20 mm | 16 g | 32 mm | 38 g | 40 mm | 54 g | 50 mm | 95 g | P-601290-A P-601300-A P-650310-A P-650320-A P-650330-A |
| Ød | weight | | | | | | | | | | | | | | | | |
| 10 mm | 3 g | | | | | | | | | | | | | | | | |
| 20 mm | 16 g | | | | | | | | | | | | | | | | |
| 32 mm | 38 g | | | | | | | | | | | | | | | | |
| 40 mm | 54 g | | | | | | | | | | | | | | | | |
| 50 mm | 95 g | | | | | | | | | | | | | | | | |
|  |  | Elbow 45° 601300-B fitting in fitting | <table><tr><th>Ød</th><th>Ød1</th><th>weight</th></tr><tr><td>20 mm</td><td>32 mm</td><td>24 g</td></tr></table> | | Ød | Ød1 | weight | 20 mm | 32 mm | 24 g | P-601300-B | | | | | | |
| Ød | Ød1 | weight | | | | | | | | | | | | | | | |
| 20 mm | 32 mm | 24 g | | | | | | | | | | | | | | | |

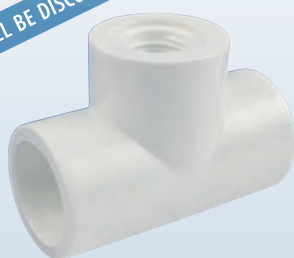
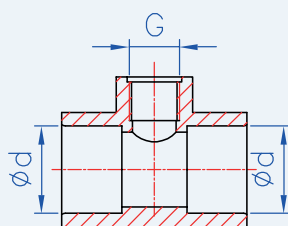

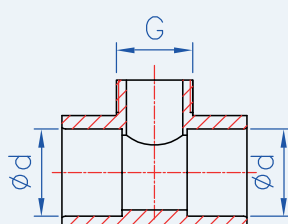

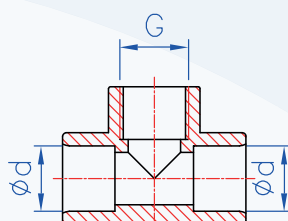

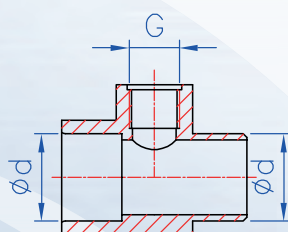

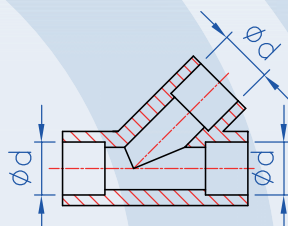
| FITTING | | | | Order No. | | | | | | | | | | | |
|--|---|---|--------|-----------|--------|--------|-------|-------|----------|-------|------------|---------------------|--|-------|--|
| <div><div>WILL BE DISCONTINUED</div></div> |  | <p>Elbow 45° 650310-C fitting in fitting</p> <table><tr><th>Ød</th><th>Ød1</th><th>Ød2</th><th>weight</th></tr><tr><td>20 mm</td><td>32 mm</td><td>40 mm</td><td>38 g</td></tr></table> | Ød | Ød1 | Ød2 | weight | 20 mm | 32 mm | 40 mm | 38 g | P-650310-C | | | | |
| Ød | Ød1 | Ød2 | weight | | | | | | | | | | | | |
| 20 mm | 32 mm | 40 mm | 38 g | | | | | | | | | | | | |
|  |  | <p>Tee 90° series 602580 adhesive socket</p> <table><tr><th>Ød</th><th>weight</th></tr><tr><td>10 mm</td><td>5 g</td></tr><tr><td>20 mm</td><td>31 g</td></tr><tr><td>32 mm</td><td>78 g</td></tr><tr><td>40 mm</td><td>109 g</td></tr><tr><td>50 mm</td><td>176 g</td></tr></table> | Ød | weight | 10 mm | 5 g | 20 mm | 31 g | 32 mm | 78 g | 40 mm | 109 g | 50 mm | 176 g | P-602580 P-650610 P-650630 P-650640 P-650650 |
| Ød | weight | | | | | | | | | | | | | | |
| 10 mm | 5 g | | | | | | | | | | | | | | |
| 20 mm | 31 g | | | | | | | | | | | | | | |
| 32 mm | 78 g | | | | | | | | | | | | | | |
| 40 mm | 109 g | | | | | | | | | | | | | | |
| 50 mm | 176 g | | | | | | | | | | | | | | |
|  |  | <p>Tee 90° series 602580-C fitting in fitting</p> <table><tr><th>Ød</th><th>weight</th></tr><tr><td>10 mm</td><td>5 g</td></tr><tr><td>32 mm</td><td>70 g</td></tr><tr><td>40 mm</td><td>120 g</td></tr><tr><td>50 mm</td><td>162 g</td></tr></table> | Ød | weight | 10 mm | 5 g | 32 mm | 70 g | 40 mm | 120 g | 50 mm | 162 g | P-602580-C P-650630-B P-650640-B P-650650-B | | |
| Ød | weight | | | | | | | | | | | | | | |
| 10 mm | 5 g | | | | | | | | | | | | | | |
| 32 mm | 70 g | | | | | | | | | | | | | | |
| 40 mm | 120 g | | | | | | | | | | | | | | |
| 50 mm | 162 g | | | | | | | | | | | | | | |
|  |  | <p>Tee 90° reduced 650830</p> <table><tr><th>Ød</th><th>Ød1</th><th>weight</th></tr><tr><td>32 mm</td><td>20 mm</td><td>59 g</td></tr></table> | Ød | Ød1 | weight | 32 mm | 20 mm | 59 g | P-650830 | | | | | | |
| Ød | Ød1 | weight | | | | | | | | | | | | | |
| 32 mm | 20 mm | 59 g | | | | | | | | | | | | | |
|  |  | <p>Tee 90° reduced series 90201</p> <table><tr><th>Ød</th><th>Ød1</th><th>weight</th></tr><tr><td>20 mm</td><td>10 mm</td><td>23 g</td></tr><tr><td>32 mm</td><td>10 mm</td><td>45 g</td></tr></table> | Ød | Ød1 | weight | 20 mm | 10 mm | 23 g | 32 mm | 10 mm | 45 g | P-90201 P-650811 | | | |
| Ød | Ød1 | weight | | | | | | | | | | | | | |
| 20 mm | 10 mm | 23 g | | | | | | | | | | | | | |
| 32 mm | 10 mm | 45 g | | | | | | | | | | | | | |


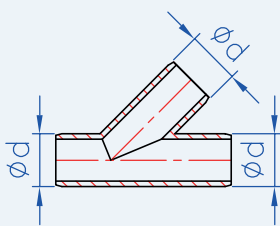

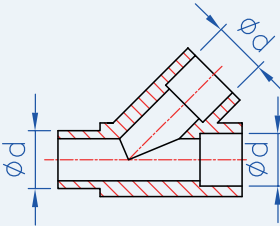

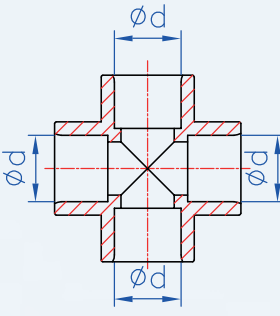

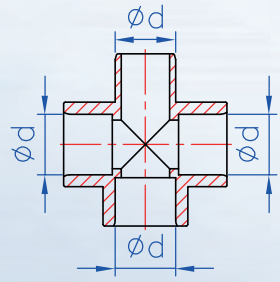

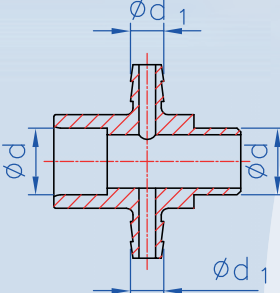
| FITTING | | | Order No. | | | | | | | | |
|---|---|--------|-----------|--------|-------|-------|------|-------------|-------|--|--------------------------|
|  | <div>Tee 90° reduced 90205</div> <div><table><tr><th>Ød</th><th>Ød1</th><th>weight</th></tr><tr><td>20 mm</td><td>32 mm</td><td>49 g</td></tr></table></div> <div></div> | Ød | Ød1 | weight | 20 mm | 32 mm | 49 g | P-90205 | | | |
| Ød | Ød1 | weight | | | | | | | | | |
| 20 mm | 32 mm | 49 g | | | | | | | | | |
|  | <div>Tee 90° series 650610-A</div> <div>fitting in fitting</div> <div><table><tr><th>Ød</th><th>weight</th></tr><tr><td>20 mm</td><td>29 g</td></tr><tr><td>32 mm</td><td>72 g</td></tr><tr><td>50 mm</td><td>154 g</td></tr></table></div> <div></div> | Ød | weight | 20 mm | 29 g | 32 mm | 72 g | 50 mm | 154 g | P-650610-A P-650630-A P-650650-A | |
| Ød | weight | | | | | | | | | | |
| 20 mm | 29 g | | | | | | | | | | |
| 32 mm | 72 g | | | | | | | | | | |
| 50 mm | 154 g | | | | | | | | | | |
|  | <div>Tee 90° reduced series 650810-A</div> <div>fitting in fitting</div> <div><table><tr><th>Ød</th><th>Ød1</th><th>weight</th></tr><tr><td>32 mm</td><td>10 mm</td><td>57 g</td></tr><tr><td>32 mm</td><td>20 mm</td><td>52 g</td></tr></table></div> <div></div> | Ød | Ød1 | weight | 32 mm | 10 mm | 57 g | 32 mm | 20 mm | 52 g | P-650810-A P-650830-B |
| Ød | Ød1 | weight | | | | | | | | | |
| 32 mm | 10 mm | 57 g | | | | | | | | | |
| 32 mm | 20 mm | 52 g | | | | | | | | | |
|  | <div>Tee 90° reduced 90201-A-L</div> <div>fitting in fitting</div> <div><table><tr><th>Ød</th><th>Ød1</th><th>weight</th></tr><tr><td>20 mm</td><td>10 mm</td><td>19 g</td></tr></table></div> <div> </div> | Ød | Ød1 | weight | 20 mm | 10 mm | 19 g | P-90201-A-L | | | |
| Ød | Ød1 | weight | | | | | | | | | |
| 20 mm | 10 mm | 19 g | | | | | | | | | |
|  | <div>Tee 90° reduced 90201-A-R</div> <div>fitting in fitting</div> <div><table><tr><th>Ød</th><th>Ød1</th><th>weight</th></tr><tr><td>20 mm</td><td>10 mm</td><td>19 g</td></tr></table></div> <div> </div> | Ød | Ød1 | weight | 20 mm | 10 mm | 19 g | P-90201-A-R | | | |
| Ød | Ød1 | weight | | | | | | | | | |
| 20 mm | 10 mm | 19 g | | | | | | | | | |


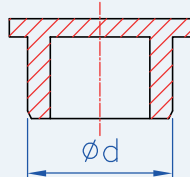

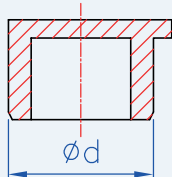

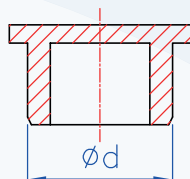

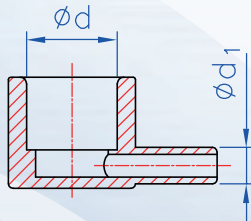

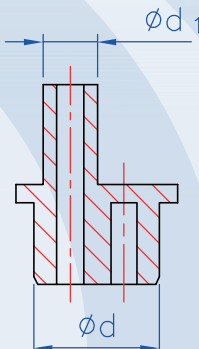
| FITTING | | Order No. | | | | | | |
|---|---|-----------|---------------------|--------|-------|------------|------|------------|
|  | <p>Tee 90° reduced 90205-A fitting in fitting</p> <table><tr><th>Ød</th><th>Ød1</th><th>weight</th></tr><tr><td>20 mm</td><td>32 mm</td><td>46 g</td></tr></table> | Ød | Ød1 | weight | 20 mm | 32 mm | 46 g | P-90205-A |
| Ød | Ød1 | weight | | | | | | |
| 20 mm | 32 mm | 46 g | | | | | | |
| <div>WILL BE DISCONTINUED</div>  | <p>Tee 90° 650610-B fitting in fitting</p> <table><tr><th>Ød</th><th>Ød1</th><th>weight</th></tr><tr><td>20 mm</td><td>32 mm</td><td>40 g</td></tr></table> | Ød | Ød1 | weight | 20 mm | 32 mm | 40 g | P-650610-B |
| Ød | Ød1 | weight | | | | | | |
| 20 mm | 32 mm | 40 g | | | | | | |
|  | <p>Tee 90° 602580-A fitting in fitting</p> <table><tr><th>Ød</th><th>weight</th></tr><tr><td>10 mm</td><td>5 g</td></tr></table> | Ød | weight | 10 mm | 5 g | P-602580-A | | |
| Ød | weight | | | | | | | |
| 10 mm | 5 g | | | | | | | |
|  | <p>Tee 90° 650610-J type of connection: gluing</p> <table><tr><th>Ød</th><th>weight</th></tr><tr><td>20 mm</td><td>25 g</td></tr></table> | Ød | weight | 20 mm | 25 g | P-650610-J | | |
| Ød | weight | | | | | | | |
| 20 mm | 25 g | | | | | | | |
|  | <p>Tee 90° 650610-I fitting in fitting</p> <table><tr><th>Ød</th><th>hose connection Ød1</th><th>weight</th></tr><tr><td>20 mm</td><td>8 mm</td><td>22 g</td></tr></table> | Ød | hose connection Ød1 | weight | 20 mm | 8 mm | 22 g | P-650610-I |
| Ød | hose connection Ød1 | weight | | | | | | |
| 20 mm | 8 mm | 22 g | | | | | | |


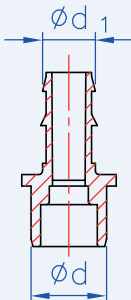
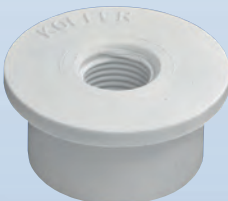
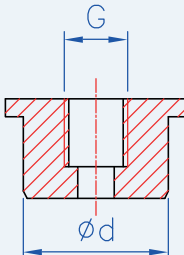
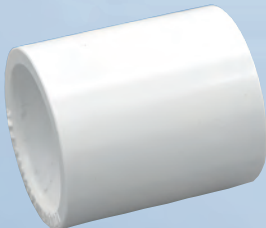
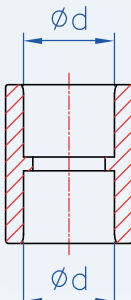

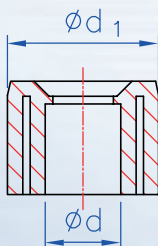

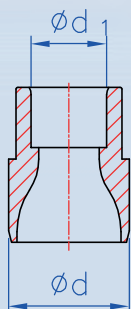
| FITTING | | | Order No. | | | | | | | | | | | |
|---|---|--------------------|---------------------|--------|-------|----------|------|--------------|-------|------|-------|-------|------|--|
|  | <p>Tee 90° series 602580-T</p> <table><thead><tr><th>Ød</th><th>hose connection Ød1</th><th>weight</th></tr></thead><tbody><tr><td>10 mm</td><td>10 mm</td><td>7 g</td></tr><tr><td>20 mm</td><td>10 mm</td><td>27 g</td></tr><tr><td>32 mm</td><td>10 mm</td><td>45 g</td></tr></tbody></table>  | Ød | hose connection Ød1 | weight | 10 mm | 10 mm | 7 g | 20 mm | 10 mm | 27 g | 32 mm | 10 mm | 45 g | P-602580-T P-650610-C P-650630-C |
| Ød | hose connection Ød1 | weight | | | | | | | | | | | | |
| 10 mm | 10 mm | 7 g | | | | | | | | | | | | |
| 20 mm | 10 mm | 27 g | | | | | | | | | | | | |
| 32 mm | 10 mm | 45 g | | | | | | | | | | | | |
|  | <p>Tee 90° 650610-G fitting in fitting</p> <table><thead><tr><th>Ød</th><th>hose connection Ød1</th><th>weight</th></tr></thead><tbody><tr><td>20 mm</td><td>10 mm</td><td>22 g</td></tr></tbody></table>  | Ød | hose connection Ød1 | weight | 20 mm | 10 mm | 22 g | P-650610-G | | | | | | |
| Ød | hose connection Ød1 | weight | | | | | | | | | | | | |
| 20 mm | 10 mm | 22 g | | | | | | | | | | | | |
|  | <p>Tee 90° 602580-A-T fitting in fitting</p> <table><thead><tr><th>Ød</th><th>hose connection Ød1</th><th>weight</th></tr></thead><tbody><tr><td>10 mm</td><td>10 mm</td><td>5 g</td></tr></tbody></table>  | Ød | hose connection Ød1 | weight | 10 mm | 10 mm | 5 g | P-602580-A-T | | | | | | |
| Ød | hose connection Ød1 | weight | | | | | | | | | | | | |
| 10 mm | 10 mm | 5 g | | | | | | | | | | | | |
|  | <p>Tee 90° 602581</p> <table><thead><tr><th>hose connection Ød</th><th>weight</th></tr></thead><tbody><tr><td>10 mm</td><td>3 g</td></tr></tbody></table>  | hose connection Ød | weight | 10 mm | 3 g | P-602581 | | | | | | | | |
| hose connection Ød | weight | | | | | | | | | | | | | |
| 10 mm | 3 g | | | | | | | | | | | | | |
|  | <p>Tee 90° 650610-E</p> <table><thead><tr><th>Ød</th><th>hose connection Ød1</th><th>weight</th></tr></thead><tbody><tr><td>20 mm</td><td>12 mm</td><td>29 g</td></tr></tbody></table>  | Ød | hose connection Ød1 | weight | 20 mm | 12 mm | 29 g | P-650610-E | | | | | | |
| Ød | hose connection Ød1 | weight | | | | | | | | | | | | |
| 20 mm | 12 mm | 29 g | | | | | | | | | | | | |


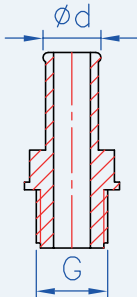

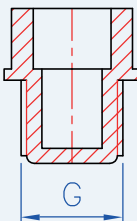

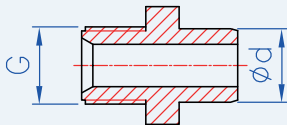
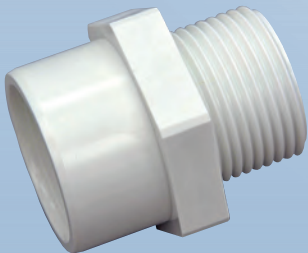
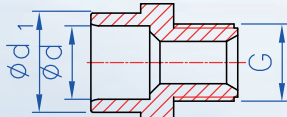

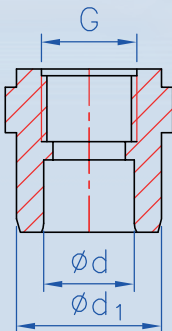
| FITTING | | Order No. | | | | | | | | | | | | | | | |
|--|---|------------------|---------------------|--------|-------|--------------------|------|-------------|------------------|------|-------|----------------------|-------|-------|----------------------|-------|--|
|  | <p>Tee 90° reduced 650610-D fitting in fitting</p> <table><tr><th>Ød</th><th>hose connection Ød1</th><th>weight</th></tr><tr><td>20 mm</td><td>12 mm</td><td>25 g</td></tr></table> | Ød | hose connection Ød1 | weight | 20 mm | 12 mm | 25 g | P-650610-D | | | | | | | | | |
| Ød | hose connection Ød1 | weight | | | | | | | | | | | | | | | |
| 20 mm | 12 mm | 25 g | | | | | | | | | | | | | | | |
|  | <p>Tee 90° 5112015 type of connection: gluing</p> <table><tr><th>Ød</th><th>clip on system Ød1</th><th>weight</th></tr><tr><td>20 mm</td><td>15 mm</td><td>11 g</td></tr></table> | Ød | clip on system Ød1 | weight | 20 mm | 15 mm | 11 g | P-5112015 | | | | | | | | | |
| Ød | clip on system Ød1 | weight | | | | | | | | | | | | | | | |
| 20 mm | 15 mm | 11 g | | | | | | | | | | | | | | | |
|  | <p>Tee 90° 5112015-1 type of connection: plug-in</p> <table><tr><th>Ød</th><th>clip on system Ød1</th><th>weight</th></tr><tr><td>20 mm</td><td>15 mm</td><td>11 g</td></tr></table> <p>inclusive: 2 o-rings (18 x 1,5 mm)</p> | Ød | clip on system Ød1 | weight | 20 mm | 15 mm | 11 g | P-5112015-1 | | | | | | | | | |
| Ød | clip on system Ød1 | weight | | | | | | | | | | | | | | | |
| 20 mm | 15 mm | 11 g | | | | | | | | | | | | | | | |
|  | <p>Tee 90° 5113015</p> <table><tr><th>clip on system Ø</th><th>weight</th></tr><tr><td>15 mm</td><td>11 g</td></tr></table> | clip on system Ø | weight | 15 mm | 11 g | P-5113015 | | | | | | | | | | | |
| clip on system Ø | weight | | | | | | | | | | | | | | | | |
| 15 mm | 11 g | | | | | | | | | | | | | | | | |
| <div>WILL BE DISCONTINUED</div>  | <p>Tee 90° increased series 602710</p> <table><tr><th>Ød</th><th>thread (G)</th><th>weight</th></tr><tr><td>20 mm</td><td>1/2" inside thread</td><td>34 g</td></tr><tr><td>32 mm</td><td>1" inside thread</td><td>92 g</td></tr><tr><td>40 mm</td><td>1 1/4" inside thread</td><td>136 g</td></tr><tr><td>50 mm</td><td>1 1/2" inside thread</td><td>252 g</td></tr></table> | Ød | thread (G) | weight | 20 mm | 1/2" inside thread | 34 g | 32 mm | 1" inside thread | 92 g | 40 mm | 1 1/4" inside thread | 136 g | 50 mm | 1 1/2" inside thread | 252 g | P-602710 P-651150 P-651160 P-651170 |
| Ød | thread (G) | weight | | | | | | | | | | | | | | | |
| 20 mm | 1/2" inside thread | 34 g | | | | | | | | | | | | | | | |
| 32 mm | 1" inside thread | 92 g | | | | | | | | | | | | | | | |
| 40 mm | 1 1/4" inside thread | 136 g | | | | | | | | | | | | | | | |
| 50 mm | 1 1/2" inside thread | 252 g | | | | | | | | | | | | | | | |


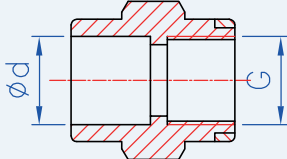

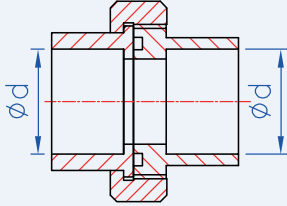

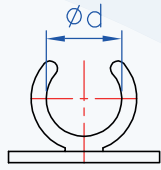

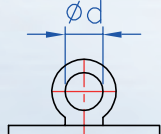

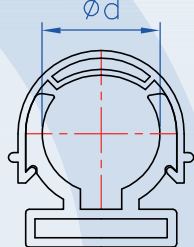
| FITTING | | | | Order No. | |
|----------------------|---|---|-----------------------|--------------------------|------------------------|
| WILL BE DISCONTINUED |  |  | Tee 90° series 602705 | | P-602705 P-650830-C |
| | | | Ød | thread (G) weight | |
| | | | 20 mm | 1/4" inside thread 35 g | |
| | | | 32 mm | 1/4" inside thread 64 g | |
| WILL BE DISCONTINUED |  |  | Tee 90° 650831 | | P-650831 |
| | | | Ød | thread (G) weight | |
| | | | 32 mm | 1/2" outside thread 56 g | |
| WILL BE DISCONTINUED |  |  | Tee 90° 602710-1 | | P-602710-1 |
| | | | Ød | thread (G) weight | |
| | | | 20 mm | 1/2" inside thread 30 g | |
| WILL BE DISCONTINUED |  |  | Tee 90° 650830-A | | P-650830-A |
| | | | fitting in fitting | | |
| | | | Ød | thread (G) weight | |
| | | | 32 mm | 1/4" inside thread 56 g | |
| |  |  | Tee 45° series 602870 | | P-602870 P-602900 |
| | | | adhesive socket | | |
| | | | Ød | weight | |
| | | | 20 mm | 40 g | |
| | | | 32 mm | 111 g | |


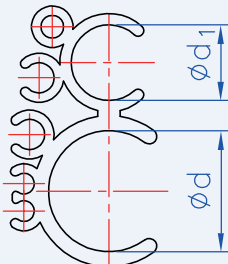

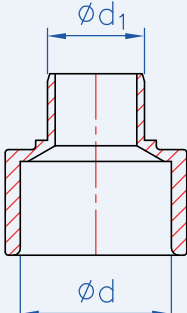

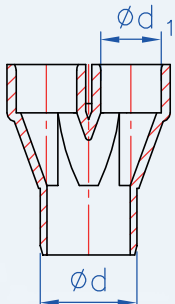

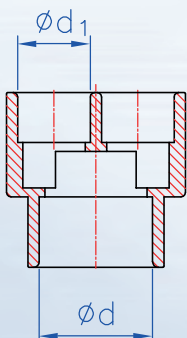

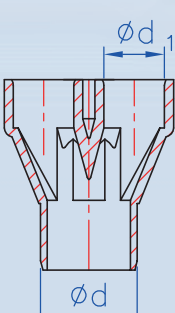
| FITTING | Order No. |
|---|----------------------------------|
|  <p>Tee 45° 5113125</p> <p>clip on system Ø weight 25 mm 29 g</p>  | P-5113125 |
|  <p>Tee 45° Serie 602870-A fitting in fitting</p> <p>Ød weight 20 mm 37 g 32 mm 101 g</p>  | P-602870-A P-602900-A |
|  <p>Cross piece series 602947 adhesive socket</p> <p>Ød weight 10 mm 10 g 20 mm 33 g 32 mm 89 g</p>  | P-602947 P-533980 P-602960 |
|  <p>Cross piece 533980-A fitting in fitting</p> <p>Ød weight 20 mm 32 g</p>  | P-533980-A |
|  <p>Cross piece 650610-F fitting in fitting</p> <p>Ød hose connection Ød1 weight 20 mm 10 mm 23 g</p>  | P-650610-F |


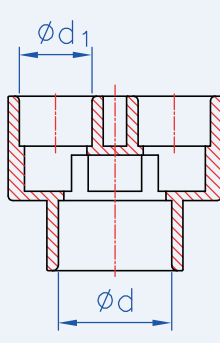
| FITTING | | | Order No. | | | | | | | | | | | | | | | |
|---|---|--------|------------------------|----------|-------|---|----------|--|------------------------------------|---|---|-----------------------|----------|------------------|-----------|---|-----------|-----------|
|  |  <p>Stopper series 1010</p> <table><tr><th>Ød</th><th>weight</th></tr><tr><td>10 mm</td><td>1 g</td></tr><tr><td>20 mm</td><td>6 g</td></tr><tr><td>32 mm</td><td>14 g</td></tr></table> | Ød | weight | 10 mm | 1 g | 20 mm | 6 g | 32 mm | 14 g | <table><tr><td>P-1010</td></tr><tr><td>P-0014</td></tr><tr><td>P-0015</td></tr></table> | P-1010 | P-0014 | P-0015 | | | | | |
| Ød | weight | | | | | | | | | | | | | | | | | |
| 10 mm | 1 g | | | | | | | | | | | | | | | | | |
| 20 mm | 6 g | | | | | | | | | | | | | | | | | |
| 32 mm | 14 g | | | | | | | | | | | | | | | | | |
| P-1010 | | | | | | | | | | | | | | | | | | |
| P-0014 | | | | | | | | | | | | | | | | | | |
| P-0015 | | | | | | | | | | | | | | | | | | |
|  |  <p>Stopper 0014-6 with recess</p> <table><tr><th>Ød</th><th>weight</th></tr><tr><td>20 mm</td><td>5 g</td></tr></table> | Ød | weight | 20 mm | 5 g | <table><tr><td>P-0014-6</td></tr></table> | P-0014-6 | | | | | | | | | | | |
| Ød | weight | | | | | | | | | | | | | | | | | |
| 20 mm | 5 g | | | | | | | | | | | | | | | | | |
| P-0014-6 | | | | | | | | | | | | | | | | | | |
|  |  <p>Stopper series 511-0X</p> <table><tr><th>Ød</th><th>weight</th></tr><tr><td>10,85 mm</td><td>2 g</td></tr><tr><td>20,40 mm</td><td>6 g</td></tr></table> <p>suitable for:</p> <table><tr><td>micro clip jet:</td><td>P-1006, P-1006-L, P-1006-R, P-1106</td></tr><tr><td>midi clip jet:</td><td>P-1017, P-1017-L, P-1017-R, P-1117</td></tr><tr><td>midi clip jet c-tech:</td><td>P-2117</td></tr><tr><td>super jet small:</td><td>P-0504-53</td></tr></table> | Ød | weight | 10,85 mm | 2 g | 20,40 mm | 6 g | micro clip jet: | P-1006, P-1006-L, P-1006-R, P-1106 | midi clip jet: | P-1017, P-1017-L, P-1017-R, P-1117 | midi clip jet c-tech: | P-2117 | super jet small: | P-0504-53 | <table><tr><td>P-0511-01</td></tr><tr><td>P-0511-02</td></tr></table> | P-0511-01 | P-0511-02 |
| Ød | weight | | | | | | | | | | | | | | | | | |
| 10,85 mm | 2 g | | | | | | | | | | | | | | | | | |
| 20,40 mm | 6 g | | | | | | | | | | | | | | | | | |
| micro clip jet: | P-1006, P-1006-L, P-1006-R, P-1106 | | | | | | | | | | | | | | | | | |
| midi clip jet: | P-1017, P-1017-L, P-1017-R, P-1117 | | | | | | | | | | | | | | | | | |
| midi clip jet c-tech: | P-2117 | | | | | | | | | | | | | | | | | |
| super jet small: | P-0504-53 | | | | | | | | | | | | | | | | | |
| P-0511-01 | | | | | | | | | | | | | | | | | | |
| P-0511-02 | | | | | | | | | | | | | | | | | | |
|  <p>WILL BE DISCONTINUED</p> |  <p>End stopper 0023-10</p> <table><tr><th>Ød</th><th>plug-in connection Ød1</th><th>weight</th></tr><tr><td>20 mm</td><td>8 mm</td><td>13 g</td></tr></table> | Ød | plug-in connection Ød1 | weight | 20 mm | 8 mm | 13 g | <table><tr><td>P-0023-10</td></tr></table> | P-0023-10 | | | | | | | | | |
| Ød | plug-in connection Ød1 | weight | | | | | | | | | | | | | | | | |
| 20 mm | 8 mm | 13 g | | | | | | | | | | | | | | | | |
| P-0023-10 | | | | | | | | | | | | | | | | | | |
|  |  <p>Stopper series 0014-7</p> <table><tr><th>Ød</th><th>hose connection Ød1</th><th>weight</th></tr><tr><td>20 mm</td><td>8 mm</td><td>6 g</td></tr><tr><td>20 mm</td><td>10 mm</td><td>7 g</td></tr></table> | Ød | hose connection Ød1 | weight | 20 mm | 8 mm | 6 g | 20 mm | 10 mm | 7 g | <table><tr><td>P-0014-7</td></tr><tr><td>P-0014-1</td></tr></table> | P-0014-7 | P-0014-1 | | | | | |
| Ød | hose connection Ød1 | weight | | | | | | | | | | | | | | | | |
| 20 mm | 8 mm | 6 g | | | | | | | | | | | | | | | | |
| 20 mm | 10 mm | 7 g | | | | | | | | | | | | | | | | |
| P-0014-7 | | | | | | | | | | | | | | | | | | |
| P-0014-1 | | | | | | | | | | | | | | | | | | |

| FITTING | | | Order No. | | | | | | | | | | | | | | | | | | |
|---|---|---|-----------|---------------------|--------|-------|--------------------|------|-----------------|--------------------|-------|------------------------------|--------------------|------|---|--------------------|------|--|----|------|---|
|  |  | <p>Stopper series 0014-4</p> <table><tr><th>Ød</th><th>hose connection Ød1</th><th>weight</th></tr><tr><td>20 mm</td><td>12 mm</td><td>8 g</td></tr><tr><td>32 mm</td><td>25 mm</td><td>18 g</td></tr></table> | Ød | hose connection Ød1 | weight | 20 mm | 12 mm | 8 g | 32 mm | 25 mm | 18 g | <p>P-0014-4 P-0015-4</p> | | | | | | | | | |
| Ød | hose connection Ød1 | weight | | | | | | | | | | | | | | | | | | | |
| 20 mm | 12 mm | 8 g | | | | | | | | | | | | | | | | | | | |
| 32 mm | 25 mm | 18 g | | | | | | | | | | | | | | | | | | | |
|  |  | <p>Thread reduction series 0014-3</p> <table><tr><th>Ød</th><th>thread (G)</th><th>weight</th></tr><tr><td>20 mm</td><td>1/4" inside thread</td><td>6 g</td></tr><tr><td>32 mm</td><td>1/4" inside thread</td><td>16 g</td></tr><tr><td>32 mm</td><td>1/2" inside thread</td><td>16 g</td></tr><tr><td>32 mm</td><td>3/4" inside thread</td><td>10 g</td></tr></table> | Ød | thread (G) | weight | 20 mm | 1/4" inside thread | 6 g | 32 mm | 1/4" inside thread | 16 g | 32 mm | 1/2" inside thread | 16 g | 32 mm | 3/4" inside thread | 10 g | <p>P-0014-3 P-0015-1 P-0015-2 P-0015-3</p> | | | |
| Ød | thread (G) | weight | | | | | | | | | | | | | | | | | | | |
| 20 mm | 1/4" inside thread | 6 g | | | | | | | | | | | | | | | | | | | |
| 32 mm | 1/4" inside thread | 16 g | | | | | | | | | | | | | | | | | | | |
| 32 mm | 1/2" inside thread | 16 g | | | | | | | | | | | | | | | | | | | |
| 32 mm | 3/4" inside thread | 10 g | | | | | | | | | | | | | | | | | | | |
|  |  | <p>Adhesive socket series 652000</p> <table><tr><th>Ød</th><th>weight</th></tr><tr><td>10 mm</td><td>5 g</td></tr><tr><td>20 mm</td><td>14 g</td></tr><tr><td>32 mm</td><td>35 g</td></tr><tr><td>40 mm</td><td>45 g</td></tr><tr><td>50 mm</td><td>67 g</td></tr></table> | Ød | weight | 10 mm | 5 g | 20 mm | 14 g | 32 mm | 35 g | 40 mm | 45 g | 50 mm | 67 g | <p>P-652000 P-652010 P-652030 P-652040 P-652050</p> | | | | | | |
| Ød | weight | | | | | | | | | | | | | | | | | | | | |
| 10 mm | 5 g | | | | | | | | | | | | | | | | | | | | |
| 20 mm | 14 g | | | | | | | | | | | | | | | | | | | | |
| 32 mm | 35 g | | | | | | | | | | | | | | | | | | | | |
| 40 mm | 45 g | | | | | | | | | | | | | | | | | | | | |
| 50 mm | 67 g | | | | | | | | | | | | | | | | | | | | |
|  |  | <p>Reduction series 654310</p> <table><tr><th>Ød</th><th>Ød1</th><th>weight</th></tr><tr><td>20 mm</td><td>32 mm</td><td>12 g</td></tr><tr><td>32 mm</td><td>40 mm</td><td>16 g</td></tr><tr><td>32 mm</td><td>50 mm</td><td>38 g</td></tr><tr><td>40 mm</td><td>50 mm</td><td>29 g</td></tr><tr><td>20 mm</td><td>1"</td><td>18 g</td></tr></table> | Ød | Ød1 | weight | 20 mm | 32 mm | 12 g | 32 mm | 40 mm | 16 g | 32 mm | 50 mm | 38 g | 40 mm | 50 mm | 29 g | 20 mm | 1" | 18 g | <p>P-654310 P-654260 P-654370 P-654270 P-654320</p> |
| Ød | Ød1 | weight | | | | | | | | | | | | | | | | | | | |
| 20 mm | 32 mm | 12 g | | | | | | | | | | | | | | | | | | | |
| 32 mm | 40 mm | 16 g | | | | | | | | | | | | | | | | | | | |
| 32 mm | 50 mm | 38 g | | | | | | | | | | | | | | | | | | | |
| 40 mm | 50 mm | 29 g | | | | | | | | | | | | | | | | | | | |
| 20 mm | 1" | 18 g | | | | | | | | | | | | | | | | | | | |
|  |  | <p>Reduction long 651010</p> <table><tr><th>Ød</th><th>Ød1</th><th>weight</th></tr><tr><td>32 mm</td><td>20 mm</td><td>19 g</td></tr></table> | Ød | Ød1 | weight | 32 mm | 20 mm | 19 g | <p>P-651010</p> | | | | | | | | | | | | |
| Ød | Ød1 | weight | | | | | | | | | | | | | | | | | | | |
| 32 mm | 20 mm | 19 g | | | | | | | | | | | | | | | | | | | |



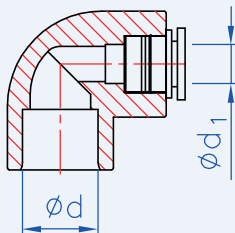

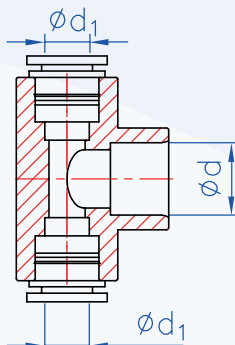

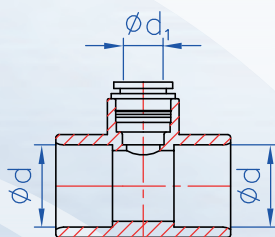

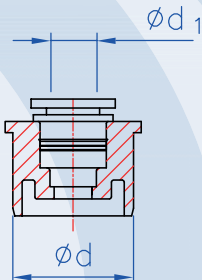
| FITTING | | | Order No. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|--|--------------------|------------|---------------------|--------|---------------------|-------|---------------------|---------------------|----------|----------------------|---------------------|------|-------|-------|-------------------|------|-------|-------|-----------------------|------|-------|---|-----------------------|------|-------|---|-----------------------|------|--|
|  |  | <p>Hose nipple 90219-D material: polypropylene (PP)</p> <table><tr><th>hose connection Ød</th><th>thread (G)</th><th>weight</th></tr><tr><td>10 mm</td><td>1/4" outside thread</td><td>4 g</td></tr></table> <p>inclusive: o-ring (10,78 x 2,62 mm)</p> | hose connection Ød | thread (G) | weight | 10 mm | 1/4" outside thread | 4 g | P-90219-D | | | | | | | | | | | | | | | | | | | | | | |
| hose connection Ød | thread (G) | weight | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 mm | 1/4" outside thread | 4 g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  |  | <p>Screw plug 90220 material: polypropylene (PP)</p> <table><tr><th>thread (G)</th><th>weight</th></tr><tr><td>1/4" outside thread</td><td>2 g</td></tr></table> <p>inclusive: o-ring (10,78 x 2,62 mm)</p> | thread (G) | weight | 1/4" outside thread | 2 g | P-90220 | | | | | | | | | | | | | | | | | | | | | | | | |
| thread (G) | weight | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1/4" outside thread | 2 g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  |  | <p>Adaption nipple series 653330</p> <table><tr><th>Ød</th><th>thread (G)</th><th>weight</th></tr><tr><td>20 mm</td><td>1/2" outside thread</td><td>18 g</td></tr><tr><td>32 mm</td><td>3/4" outside thread</td><td>42 g</td></tr></table> | Ød | thread (G) | weight | 20 mm | 1/2" outside thread | 18 g | 32 mm | 3/4" outside thread | 42 g | P-653330 P-653350 | | | | | | | | | | | | | | | | | | | |
| Ød | thread (G) | weight | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 mm | 1/2" outside thread | 18 g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32 mm | 3/4" outside thread | 42 g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  |  | <p>Adaption socket nipple series 653010</p> <table><tr><th>Ød</th><th>Ød1</th><th>thread (G)</th><th>weight</th></tr><tr><td>20 mm</td><td>-</td><td>1/2" outside thread</td><td>17 g</td></tr><tr><td>32 mm</td><td>40 mm</td><td>3/4" outside thread</td><td>36 g</td></tr><tr><td>32 mm</td><td>40 mm</td><td>1" outside thread</td><td>40 g</td></tr><tr><td>40 mm</td><td>50 mm</td><td>1 1/2" outside thread</td><td>65 g</td></tr><tr><td>50 mm</td><td>-</td><td>1 1/4" outside thread</td><td>87 g</td></tr><tr><td>50 mm</td><td>-</td><td>1 1/2" outside thread</td><td>65 g</td></tr></table> | Ød | Ød1 | thread (G) | weight | 20 mm | - | 1/2" outside thread | 17 g | 32 mm | 40 mm | 3/4" outside thread | 36 g | 32 mm | 40 mm | 1" outside thread | 40 g | 40 mm | 50 mm | 1 1/2" outside thread | 65 g | 50 mm | - | 1 1/4" outside thread | 87 g | 50 mm | - | 1 1/2" outside thread | 65 g | P-653010 P-653030 P-653040 P-653070 P-653080 P-653090 |
| Ød | Ød1 | thread (G) | weight | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 mm | - | 1/2" outside thread | 17 g | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32 mm | 40 mm | 3/4" outside thread | 36 g | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32 mm | 40 mm | 1" outside thread | 40 g | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40 mm | 50 mm | 1 1/2" outside thread | 65 g | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50 mm | - | 1 1/4" outside thread | 87 g | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50 mm | - | 1 1/2" outside thread | 65 g | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  |  | <p>Adaption socket 603215</p> <table><tr><th>Ød</th><th>Ød1</th><th>thread (G)</th><th>weight</th></tr><tr><td>20 mm</td><td>32 mm</td><td>1/2" inside thread</td><td>24 g</td></tr></table> | Ød | Ød1 | thread (G) | weight | 20 mm | 32 mm | 1/2" inside thread | 24 g | P-603215 | | | | | | | | | | | | | | | | | | | | |
| Ød | Ød1 | thread (G) | weight | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 mm | 32 mm | 1/2" inside thread | 24 g | | | | | | | | | | | | | | | | | | | | | | | | | | | | |


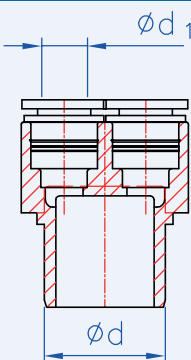

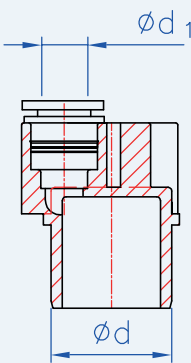

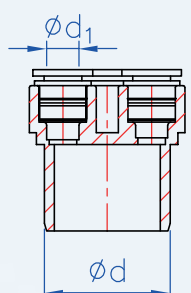

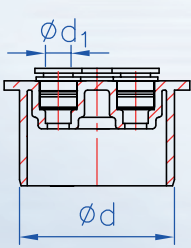

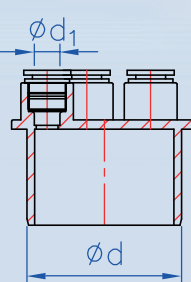
| FITTING | | | Order No. | | | | | | | | | | | | | | | | | | |
|---|---|--|-----------|------------|-------------------|-------|--------------------|------|-------------------|------------------|---|-------|--|------|------------------|----------------------|------------------|--|-------------------|------|--|
|  |  | <p>Adaption socket increased series 603210</p> <table><tr><th>Ød</th><th>thread (G)</th><th>weight</th></tr><tr><td>20 mm</td><td>1/2" inside thread</td><td>28 g</td></tr><tr><td>32 mm</td><td>1" inside thread</td><td>62 g</td></tr><tr><td>40 mm</td><td>1 1/4" inside thread</td><td>90 g</td></tr><tr><td>50 mm</td><td>1 1/2" inside thread</td><td>130 g</td></tr></table> | Ød | thread (G) | weight | 20 mm | 1/2" inside thread | 28 g | 32 mm | 1" inside thread | 62 g | 40 mm | 1 1/4" inside thread | 90 g | 50 mm | 1 1/2" inside thread | 130 g | <p>P-603210 P-653630 P-653640 P-653650</p> | | | |
| Ød | thread (G) | weight | | | | | | | | | | | | | | | | | | | |
| 20 mm | 1/2" inside thread | 28 g | | | | | | | | | | | | | | | | | | | |
| 32 mm | 1" inside thread | 62 g | | | | | | | | | | | | | | | | | | | |
| 40 mm | 1 1/4" inside thread | 90 g | | | | | | | | | | | | | | | | | | | |
| 50 mm | 1 1/2" inside thread | 130 g | | | | | | | | | | | | | | | | | | | |
|  |  | <p>Union series 600030</p> <table><tr><th>Ød</th><th>weight</th></tr><tr><td>20 mm</td><td>36 g</td></tr><tr><td>32 mm</td><td>90 g</td></tr><tr><td>40 mm</td><td>203 g</td></tr><tr><td>50 mm</td><td>190 g</td></tr></table> | Ød | weight | 20 mm | 36 g | 32 mm | 90 g | 40 mm | 203 g | 50 mm | 190 g | <p>P-600030 P-650040 P-650050 P-650060</p> | | | | | | | | |
| Ød | weight | | | | | | | | | | | | | | | | | | | | |
| 20 mm | 36 g | | | | | | | | | | | | | | | | | | | | |
| 32 mm | 90 g | | | | | | | | | | | | | | | | | | | | |
| 40 mm | 203 g | | | | | | | | | | | | | | | | | | | | |
| 50 mm | 190 g | | | | | | | | | | | | | | | | | | | | |
|  |  | <p>Adhesive pipe clip series 606710 for polyester</p> <table><tr><th>Ød</th><th>weight</th></tr><tr><td>10 mm</td><td>3 g</td></tr><tr><td>20 mm</td><td>4 g</td></tr><tr><td>32 mm</td><td>6 g</td></tr></table> | Ød | weight | 10 mm | 3 g | 20 mm | 4 g | 32 mm | 6 g | <p>P-606710 P-606720 P-606732</p> | | | | | | | | | | |
| Ød | weight | | | | | | | | | | | | | | | | | | | | |
| 10 mm | 3 g | | | | | | | | | | | | | | | | | | | | |
| 20 mm | 4 g | | | | | | | | | | | | | | | | | | | | |
| 32 mm | 6 g | | | | | | | | | | | | | | | | | | | | |
|  |  | <p>Fastening part 606711 for cables and hoses</p> <table><tr><th>Ød</th><th>weight</th></tr><tr><td>10 mm</td><td>3 g</td></tr></table> | Ød | weight | 10 mm | 3 g | <p>P-606711</p> | | | | | | | | | | | | | | |
| Ød | weight | | | | | | | | | | | | | | | | | | | | |
| 10 mm | 3 g | | | | | | | | | | | | | | | | | | | | |
|  |  | <p>Pipe clip to screw-on series 606730 to screw-on</p> <table><tr><th>Ød</th><th>weight</th></tr><tr><td>pipe clip Ø 20 mm</td><td>6 g</td></tr><tr><td>pipe clip Ø 32 mm</td><td>8 g</td></tr><tr><td>pipe clip Ø 40 mm</td><td>10 g</td></tr><tr><td>pipe clip Ø 42 mm</td><td>9 g</td></tr><tr><td>complete Ø 32 mm</td><td>10 g</td></tr><tr><td>complete Ø 40 mm</td><td>12 g</td></tr><tr><td>complete Ø 42 mm</td><td>11 g</td></tr><tr><td>pipe clip Ø 50 mm</td><td>38 g</td></tr></table> | Ød | weight | pipe clip Ø 20 mm | 6 g | pipe clip Ø 32 mm | 8 g | pipe clip Ø 40 mm | 10 g | pipe clip Ø 42 mm | 9 g | complete Ø 32 mm | 10 g | complete Ø 40 mm | 12 g | complete Ø 42 mm | 11 g | pipe clip Ø 50 mm | 38 g | <p>P-606729 P-606730-1 P-606735 P-606740-1 P-606730 P-606731 P-606740 P-606750</p> |
| Ød | weight | | | | | | | | | | | | | | | | | | | | |
| pipe clip Ø 20 mm | 6 g | | | | | | | | | | | | | | | | | | | | |
| pipe clip Ø 32 mm | 8 g | | | | | | | | | | | | | | | | | | | | |
| pipe clip Ø 40 mm | 10 g | | | | | | | | | | | | | | | | | | | | |
| pipe clip Ø 42 mm | 9 g | | | | | | | | | | | | | | | | | | | | |
| complete Ø 32 mm | 10 g | | | | | | | | | | | | | | | | | | | | |
| complete Ø 40 mm | 12 g | | | | | | | | | | | | | | | | | | | | |
| complete Ø 42 mm | 11 g | | | | | | | | | | | | | | | | | | | | |
| pipe clip Ø 50 mm | 38 g | | | | | | | | | | | | | | | | | | | | |


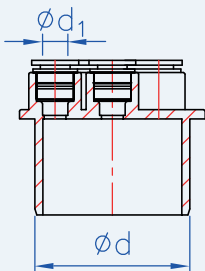

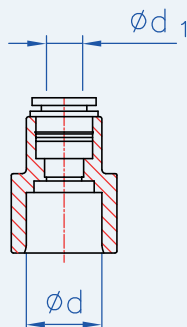

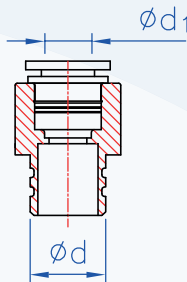

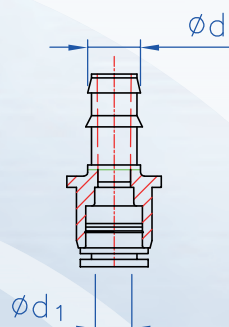

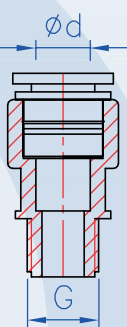
| FITTING | | | Order No. | | | | | | | | | |
|---|---|---|-----------|-----|--------|-------|-------|------|------------------|-------|-------|------------------------------|
|  |  | <p>Double hose clip series 606746</p> <table><thead><tr><th>Ød</th><th>Ød1</th><th>weight</th></tr></thead><tbody><tr><td>20 mm</td><td>20 mm</td><td>6 g</td></tr><tr><td>32 mm</td><td>20 mm</td><td>7 g</td></tr></tbody></table> | Ød | Ød1 | weight | 20 mm | 20 mm | 6 g | 32 mm | 20 mm | 7 g | <p>P-606746 P-606745</p> |
| Ød | Ød1 | weight | | | | | | | | | | |
| 20 mm | 20 mm | 6 g | | | | | | | | | | |
| 32 mm | 20 mm | 7 g | | | | | | | | | | |
|  |  | <p>Adaption socket nipple series 652053</p> <table><thead><tr><th>Ød</th><th>Ød1</th><th>weight</th></tr></thead><tbody><tr><td>50 mm</td><td>32 mm</td><td>49 g</td></tr></tbody></table> | Ød | Ød1 | weight | 50 mm | 32 mm | 49 g | <p>P-652053</p> | | | |
| Ød | Ød1 | weight | | | | | | | | | | |
| 50 mm | 32 mm | 49 g | | | | | | | | | | |
|  |  | <p>Distributor 2-fold 32220-A fitting in fitting</p> <table><thead><tr><th>Ød</th><th>Ød1</th><th>weight</th></tr></thead><tbody><tr><td>32 mm</td><td>20 mm</td><td>29 g</td></tr></tbody></table> | Ød | Ød1 | weight | 32 mm | 20 mm | 29 g | <p>P-32220-A</p> | | | |
| Ød | Ød1 | weight | | | | | | | | | | |
| 32 mm | 20 mm | 29 g | | | | | | | | | | |
|  |  | <p>Distributor 2-fold series 32220</p> <table><thead><tr><th>Ød</th><th>Ød1</th><th>weight</th></tr></thead><tbody><tr><td>32 mm</td><td>20 mm</td><td>41 g</td></tr><tr><td>50 mm</td><td>32 mm</td><td>104 g</td></tr></tbody></table> | Ød | Ød1 | weight | 32 mm | 20 mm | 41 g | 50 mm | 32 mm | 104 g | <p>P-32220 P-50232</p> |
| Ød | Ød1 | weight | | | | | | | | | | |
| 32 mm | 20 mm | 41 g | | | | | | | | | | |
| 50 mm | 32 mm | 104 g | | | | | | | | | | |
|  |  | <p>Distributor 3-fold 32320-A fitting in fitting</p> <table><thead><tr><th>Ød</th><th>Ød1</th><th>weight</th></tr></thead><tbody><tr><td>32 mm</td><td>20 mm</td><td>35 g</td></tr></tbody></table> | Ød | Ød1 | weight | 32 mm | 20 mm | 35 g | <p>P-32320-A</p> | | | |
| Ød | Ød1 | weight | | | | | | | | | | |
| 32 mm | 20 mm | 35 g | | | | | | | | | | |

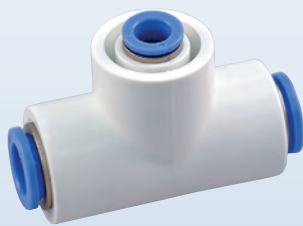
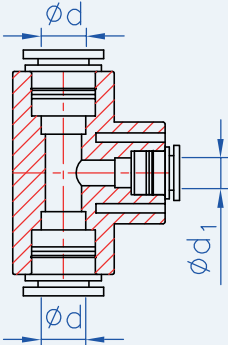

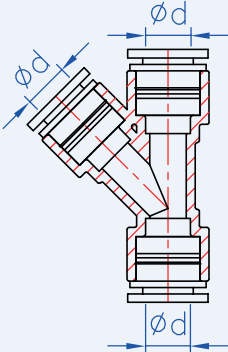

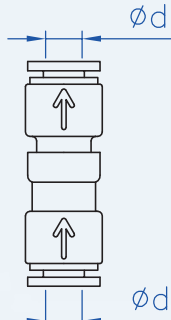

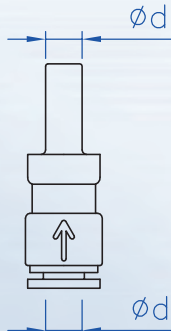

| FITTING | | | Order No. | | | | | | | | | | | | | | | | | | |
|---|---|--|-----------|--------|--------|-------|-------|-------|---------|-------|-------|-------|----------------------------------|-------|-------------------------|------|-------|-------|-------|-------|---|
|  |  | Distributor 3-fold 50332 <table><tr><th>Ød</th><th>Ød1</th><th>weight</th></tr><tr><td>50 mm</td><td>32 mm</td><td>128 g</td></tr></table> | Ød | Ød1 | weight | 50 mm | 32 mm | 128 g | P-50332 | | | | | | | | | | | | |
| Ød | Ød1 | weight | | | | | | | | | | | | | | | | | | | |
| 50 mm | 32 mm | 128 g | | | | | | | | | | | | | | | | | | | |
|  |  | Distributor 4-fold 50432 <table><tr><th>Ød</th><th>Ød1</th><th>weight</th></tr><tr><td>50 mm</td><td>32 mm</td><td>167 g</td></tr></table> | Ød | Ød1 | weight | 50 mm | 32 mm | 167 g | P-50432 | | | | | | | | | | | | |
| Ød | Ød1 | weight | | | | | | | | | | | | | | | | | | | |
| 50 mm | 32 mm | 167 g | | | | | | | | | | | | | | | | | | | |
|  | Pipe series 100 material: plastic <table><tr><th>OD</th><th>color</th><th>weight</th></tr><tr><td>10 mm</td><td>grey</td><td>53 g</td></tr><tr><td>20 mm</td><td>white</td><td>160 g</td></tr><tr><td>32 mm</td><td>white</td><td>307 g</td></tr><tr><td>40 mm</td><td>grey</td><td>370 g</td></tr><tr><td>50 mm</td><td>white</td><td>640 g</td></tr></table> | | OD | color | weight | 10 mm | grey | 53 g | 20 mm | white | 160 g | 32 mm | white | 307 g | 40 mm | grey | 370 g | 50 mm | white | 640 g | P-100 P-200-K P-300-K P-400 P-500-K |
| OD | color | weight | | | | | | | | | | | | | | | | | | | |
| 10 mm | grey | 53 g | | | | | | | | | | | | | | | | | | | |
| 20 mm | white | 160 g | | | | | | | | | | | | | | | | | | | |
| 32 mm | white | 307 g | | | | | | | | | | | | | | | | | | | |
| 40 mm | grey | 370 g | | | | | | | | | | | | | | | | | | | |
| 50 mm | white | 640 g | | | | | | | | | | | | | | | | | | | |
|  | Hose series 016 with fabric lining material: plastic color: transparent <table><tr><th>OD</th><th>ID</th><th>weight</th></tr><tr><td>16 mm</td><td>10 mm</td><td>141 g</td></tr><tr><td>19 mm</td><td>13 mm</td><td>169 g</td></tr><tr><td>33 mm</td><td>25 mm</td><td>434 g</td></tr></table> for quantities less than 50 m, add on 20% extra charge | | OD | ID | weight | 16 mm | 10 mm | 141 g | 19 mm | 13 mm | 169 g | 33 mm | 25 mm | 434 g | P-016 P-019 P-025 | | | | | | |
| OD | ID | weight | | | | | | | | | | | | | | | | | | | |
| 16 mm | 10 mm | 141 g | | | | | | | | | | | | | | | | | | | |
| 19 mm | 13 mm | 169 g | | | | | | | | | | | | | | | | | | | |
| 33 mm | 25 mm | 434 g | | | | | | | | | | | | | | | | | | | |
|  | Hose series 020 rolled material: plastic color: white <table><tr><th>OD</th><th>weight</th></tr><tr><td>20 mm</td><td>190 g</td></tr><tr><td>32 mm</td><td>394 g</td></tr><tr><td>40 mm</td><td>458 g</td></tr><tr><td>50 mm</td><td>716 g</td></tr></table> for quantities less than 30 m, add on 20% extra charge | | OD | weight | 20 mm | 190 g | 32 mm | 394 g | 40 mm | 458 g | 50 mm | 716 g | P-020 P-032 P-040 P-050 | | | | | | | | |
| OD | weight | | | | | | | | | | | | | | | | | | | | |
| 20 mm | 190 g | | | | | | | | | | | | | | | | | | | | |
| 32 mm | 394 g | | | | | | | | | | | | | | | | | | | | |
| 40 mm | 458 g | | | | | | | | | | | | | | | | | | | | |
| 50 mm | 716 g | | | | | | | | | | | | | | | | | | | | |

| FITTING | | | Order No. | | | | | | | | | | | |
|---|---|---------|-----------|--------------|-------|-------------|-------|----------------------------|---------|---------------|-------------------------|--|--------|--|
|  | <p>Hose series 020-350 straight - not rolled</p> <p>material: plastic color: white</p> <table><thead><tr><th>OD</th><th>length</th><th>weight</th></tr></thead><tbody><tr><td>20 mm</td><td>3500 mm</td><td>700 g</td></tr><tr><td>32 mm</td><td>3500 mm</td><td>1470 g</td></tr><tr><td>50 mm</td><td>1500 mm</td><td>1000 g</td></tr></tbody></table> | OD | length | weight | 20 mm | 3500 mm | 700 g | 32 mm | 3500 mm | 1470 g | 50 mm | 1500 mm | 1000 g | <p>P-020-350 P-032-350 P-050-150</p> |
| OD | length | weight | | | | | | | | | | | | |
| 20 mm | 3500 mm | 700 g | | | | | | | | | | | | |
| 32 mm | 3500 mm | 1470 g | | | | | | | | | | | | |
| 50 mm | 1500 mm | 1000 g | | | | | | | | | | | | |
|  | <p>Hose 004 material: plastic color: transparent</p> <table><thead><tr><th>OD</th><th>ID</th><th>weight</th></tr></thead><tbody><tr><td>5 mm</td><td>3 mm</td><td>18 g</td></tr><tr><td>6 mm</td><td>4 mm</td><td>19 g</td></tr></tbody></table> <p>suitable for: all pneumatic switches and pneumatic buttons tank unit: 230-6011X, 230-6071A</p> <p>for quantities less than 100 m, add on 20% extra charge</p> | OD | ID | weight | 5 mm | 3 mm | 18 g | 6 mm | 4 mm | 19 g | <p>P-004 212D-5</p> | | | |
| OD | ID | weight | | | | | | | | | | | | |
| 5 mm | 3 mm | 18 g | | | | | | | | | | | | |
| 6 mm | 4 mm | 19 g | | | | | | | | | | | | |
|  | <p>Hose for clip on system series 19-15 material: plastic color: white</p> <table><thead><tr><th>ID</th><th>weight</th></tr></thead><tbody><tr><td>15 mm</td><td>150 g</td></tr><tr><td>25 mm</td><td>331 g</td></tr></tbody></table> <p>for quantities less than 50 m, add on 20% extra charge</p> | ID | weight | 15 mm | 150 g | 25 mm | 331 g | <p>P-19-15 P-31-25</p> | | | | | | |
| ID | weight | | | | | | | | | | | | | |
| 15 mm | 150 g | | | | | | | | | | | | | |
| 25 mm | 331 g | | | | | | | | | | | | | |
|  | <p>Hose band clip 1117</p> <table><thead><tr><th>variant</th><th>weight</th></tr></thead><tbody><tr><td>Ø 11 - 17 mm</td><td>10 g</td></tr></tbody></table> | variant | weight | Ø 11 - 17 mm | 10 g | <p>1117</p> | | | | | | | | |
| variant | weight | | | | | | | | | | | | | |
| Ø 11 - 17 mm | 10 g | | | | | | | | | | | | | |
|  | <p>One ear hose clip series 11703 material: steel galvanized</p> <table><thead><tr><th>variant</th><th>weight</th></tr></thead><tbody><tr><td>up to 16 mm</td><td>3 g</td></tr><tr><td>up to 19 mm</td><td>3 g</td></tr><tr><td>up to 32 mm</td><td>5 g</td></tr><tr><td>up to 34,5 mm</td><td>5 g</td></tr></tbody></table> | variant | weight | up to 16 mm | 3 g | up to 19 mm | 3 g | up to 32 mm | 5 g | up to 34,5 mm | 5 g | <p>VZ-11703 VZ-12103 VZ-13303 VZ-12503</p> | | |
| variant | weight | | | | | | | | | | | | | |
| up to 16 mm | 3 g | | | | | | | | | | | | | |
| up to 19 mm | 3 g | | | | | | | | | | | | | |
| up to 32 mm | 5 g | | | | | | | | | | | | | |
| up to 34,5 mm | 5 g | | | | | | | | | | | | | |

| FITTING | | | Order No. | | | | | | | | | | | | | | | | | | | | | |
|---|--|--|-----------|-------------|-------------|-------|---------|------|-------------|-------|------|-------|-------|------|-------|-------|------|--|-------|------|-------|-------|------|--|
|  | One ear hose clip 2103 material: stainless steel | <table><tr><th>variant</th><th>weight</th></tr><tr><td>up to 19 mm</td><td>3 g</td></tr></table> | variant | weight | up to 19 mm | 3 g | ST-2103 | | | | | | | | | | | | | | | | | |
| variant | weight | | | | | | | | | | | | | | | | | | | | | | | |
| up to 19 mm | 3 g | | | | | | | | | | | | | | | | | | | | | | | |
|  | Elbow 90° with cartridge series 600990-08  | <table><tr><th>Ød</th><th>cartridge Ø</th><th>weight</th></tr><tr><td>10 mm</td><td>8 mm</td><td>7 g</td></tr><tr><td>20 mm</td><td>8 mm</td><td>29 g</td></tr><tr><td>20 mm</td><td>10 mm</td><td>31 g</td></tr><tr><td>20 mm</td><td>12 mm</td><td>32 g</td></tr></table> | Ød | cartridge Ø | weight | 10 mm | 8 mm | 7 g | 20 mm | 8 mm | 29 g | 20 mm | 10 mm | 31 g | 20 mm | 12 mm | 32 g | P-600990-08 P-650110-08 P-650110-10 P-650110-12 | | | | | | |
| Ød | cartridge Ø | weight | | | | | | | | | | | | | | | | | | | | | | |
| 10 mm | 8 mm | 7 g | | | | | | | | | | | | | | | | | | | | | | |
| 20 mm | 8 mm | 29 g | | | | | | | | | | | | | | | | | | | | | | |
| 20 mm | 10 mm | 31 g | | | | | | | | | | | | | | | | | | | | | | |
| 20 mm | 12 mm | 32 g | | | | | | | | | | | | | | | | | | | | | | |
|  <div>WILL BE DISCONTINUED</div> | Tee with cartridge 650610-12  | <table><tr><th>Ød</th><th>cartridge Ø</th><th>weight</th></tr><tr><td>20 mm</td><td>12 mm</td><td>48 g</td></tr></table> | Ød | cartridge Ø | weight | 20 mm | 12 mm | 48 g | P-650610-12 | | | | | | | | | | | | | | | |
| Ød | cartridge Ø | weight | | | | | | | | | | | | | | | | | | | | | | |
| 20 mm | 12 mm | 48 g | | | | | | | | | | | | | | | | | | | | | | |
|  | Tee with cartridge 650830-16  | <table><tr><th>Ød</th><th>cartridge Ø</th><th>weight</th></tr><tr><td>32 mm</td><td>16 mm</td><td>68 g</td></tr></table> | Ød | cartridge Ø | weight | 32 mm | 16 mm | 68 g | P-650830-16 | | | | | | | | | | | | | | | |
| Ød | cartridge Ø | weight | | | | | | | | | | | | | | | | | | | | | | |
| 32 mm | 16 mm | 68 g | | | | | | | | | | | | | | | | | | | | | | |
|  | Adhesive stopper with cartridge 1-fold series 2020XX-1  | <table><tr><th>Ød</th><th>cartridge Ø</th><th>weight</th></tr><tr><td>20 mm</td><td>8 mm</td><td>9 g</td></tr><tr><td>20 mm</td><td>10 mm</td><td>9 g</td></tr><tr><td>32 mm</td><td>8 mm</td><td>18 g</td></tr><tr><td>32 mm</td><td>10 mm</td><td>19 g</td></tr><tr><td>32 mm</td><td>12 mm</td><td>24 g</td></tr><tr><td>32 mm</td><td>16 mm</td><td>23 g</td></tr></table> | Ød | cartridge Ø | weight | 20 mm | 8 mm | 9 g | 20 mm | 10 mm | 9 g | 32 mm | 8 mm | 18 g | 32 mm | 10 mm | 19 g | 32 mm | 12 mm | 24 g | 32 mm | 16 mm | 23 g | P-202008-1 P-202010-1 P-203208-1 P-203210-1 P-203212-1 P-203216-1 |
| Ød | cartridge Ø | weight | | | | | | | | | | | | | | | | | | | | | | |
| 20 mm | 8 mm | 9 g | | | | | | | | | | | | | | | | | | | | | | |
| 20 mm | 10 mm | 9 g | | | | | | | | | | | | | | | | | | | | | | |
| 32 mm | 8 mm | 18 g | | | | | | | | | | | | | | | | | | | | | | |
| 32 mm | 10 mm | 19 g | | | | | | | | | | | | | | | | | | | | | | |
| 32 mm | 12 mm | 24 g | | | | | | | | | | | | | | | | | | | | | | |
| 32 mm | 16 mm | 23 g | | | | | | | | | | | | | | | | | | | | | | |

| FITTING | | | Order No. | | | | | | | | | | | | |
|---|---|---|-----------|-------------|--------|-------|------|------|------------|-------|------|--------------------------|-------|------|--|
|  |  | Adhesive stopper with cartridge 2-fold series 2032XX-2 <table><tr><th>Ød</th><th>cartridge Ø</th><th>weight</th></tr><tr><td>32 mm</td><td>8 mm</td><td>19 g</td></tr><tr><td>32 mm</td><td>10 mm</td><td>25 g</td></tr><tr><td>32 mm</td><td>12 mm</td><td>35 g</td></tr></table> | Ød | cartridge Ø | weight | 32 mm | 8 mm | 19 g | 32 mm | 10 mm | 25 g | 32 mm | 12 mm | 35 g | P-203208-2 P-203210-2 P-203212-2 |
| Ød | cartridge Ø | weight | | | | | | | | | | | | | |
| 32 mm | 8 mm | 19 g | | | | | | | | | | | | | |
| 32 mm | 10 mm | 25 g | | | | | | | | | | | | | |
| 32 mm | 12 mm | 35 g | | | | | | | | | | | | | |
|  |  | Adhesive stopper with cartridge 3-fold series 2032XX-3 <table><tr><th>Ød</th><th>cartridge Ø</th><th>weight</th></tr><tr><td>32 mm</td><td>8 mm</td><td>23 g</td></tr><tr><td>32 mm</td><td>10 mm</td><td>36 g</td></tr><tr><td>32 mm</td><td>12 mm</td><td>47 g</td></tr></table> | Ød | cartridge Ø | weight | 32 mm | 8 mm | 23 g | 32 mm | 10 mm | 36 g | 32 mm | 12 mm | 47 g | P-203208-3 P-203210-3 P-203212-3 |
| Ød | cartridge Ø | weight | | | | | | | | | | | | | |
| 32 mm | 8 mm | 23 g | | | | | | | | | | | | | |
| 32 mm | 10 mm | 36 g | | | | | | | | | | | | | |
| 32 mm | 12 mm | 47 g | | | | | | | | | | | | | |
|  |  | Adhesive stopper with cartridge 4-fold 203208-4 <table><tr><th>Ød</th><th>cartridge Ø</th><th>weight</th></tr><tr><td>32 mm</td><td>8 mm</td><td>27 g</td></tr></table> | Ød | cartridge Ø | weight | 32 mm | 8 mm | 27 g | P-203208-4 | | | | | | |
| Ød | cartridge Ø | weight | | | | | | | | | | | | | |
| 32 mm | 8 mm | 27 g | | | | | | | | | | | | | |
|  |  | Adhesive stopper with cartridge 4-fold series 2050XX-4 <table><tr><th>Ød</th><th>cartridge Ø</th><th>weight</th></tr><tr><td>50 mm</td><td>8 mm</td><td>41 g</td></tr><tr><td>50 mm</td><td>10 mm</td><td>50 g</td></tr></table> | Ød | cartridge Ø | weight | 50 mm | 8 mm | 41 g | 50 mm | 10 mm | 50 g | P-205008-4 P-205010-4 | | | |
| Ød | cartridge Ø | weight | | | | | | | | | | | | | |
| 50 mm | 8 mm | 41 g | | | | | | | | | | | | | |
| 50 mm | 10 mm | 50 g | | | | | | | | | | | | | |
|  |  | Adhesive stopper with cartridge 5-fold series 2050XX-5 <table><tr><th>Ød</th><th>cartridge Ø</th><th>weight</th></tr><tr><td>50 mm</td><td>8 mm</td><td>62 g</td></tr><tr><td>50 mm</td><td>10 mm</td><td>47 g</td></tr></table> | Ød | cartridge Ø | weight | 50 mm | 8 mm | 62 g | 50 mm | 10 mm | 47 g | P-205008-5 P-205010-5 | | | |
| Ød | cartridge Ø | weight | | | | | | | | | | | | | |
| 50 mm | 8 mm | 62 g | | | | | | | | | | | | | |
| 50 mm | 10 mm | 47 g | | | | | | | | | | | | | |

| FITTING | | Order No. | | | | | | | | | | | | |
|---|--|------------------------------|-------------------------|--------|-------|---------------------|------|------------|-------|------|--------------------------|-------|------|--|
|  | <div><div></div><div>Adhesive stopper with cartridge 6-fold series 2050XX-6<table><tr><th>$\varnothing d$</th><th>cartridge \varnothing</th><th>weight</th></tr><tr><td>50 mm</td><td>8 mm</td><td>68 g</td></tr><tr><td>50 mm</td><td>10 mm</td><td>51 g</td></tr><tr><td>50 mm</td><td>12 mm</td><td>96 g</td></tr></table></div></div> | $\varnothing d$ | cartridge \varnothing | weight | 50 mm | 8 mm | 68 g | 50 mm | 10 mm | 51 g | 50 mm | 12 mm | 96 g | P-205008-6 P-205010-6 P-205012-6 |
| $\varnothing d$ | cartridge \varnothing | weight | | | | | | | | | | | | |
| 50 mm | 8 mm | 68 g | | | | | | | | | | | | |
| 50 mm | 10 mm | 51 g | | | | | | | | | | | | |
| 50 mm | 12 mm | 96 g | | | | | | | | | | | | |
|  | <div><div></div><div>Socket with cartridge series 72033-XX<table><tr><th>$\varnothing d$</th><th>cartridge \varnothing</th><th>weight</th></tr><tr><td>20 mm</td><td>8 mm</td><td>14 g</td></tr><tr><td>20 mm</td><td>10 mm</td><td>17 g</td></tr></table></div></div> | $\varnothing d$ | cartridge \varnothing | weight | 20 mm | 8 mm | 14 g | 20 mm | 10 mm | 17 g | P-72033-08 P-72033-10 | | | |
| $\varnothing d$ | cartridge \varnothing | weight | | | | | | | | | | | | |
| 20 mm | 8 mm | 14 g | | | | | | | | | | | | |
| 20 mm | 10 mm | 17 g | | | | | | | | | | | | |
|  | <div><div></div><div>Adaption with cartridge 202012 type of connection: gluing<table><tr><th>$\varnothing d$</th><th>cartridge \varnothing</th><th>weight</th></tr><tr><td>20 mm</td><td>12 mm</td><td>17 g</td></tr></table></div></div> | $\varnothing d$ | cartridge \varnothing | weight | 20 mm | 12 mm | 17 g | P-202012 | | | | | | |
| $\varnothing d$ | cartridge \varnothing | weight | | | | | | | | | | | | |
| 20 mm | 12 mm | 17 g | | | | | | | | | | | | |
|  | <div><div></div><div>Adaption nipple 001410-1 change over from clip on system to cartridge system<table><tr><th>clip on system \varnothing</th><th>cartridge \varnothing</th><th>weight</th></tr><tr><td>15 mm</td><td>10 mm</td><td>12 g</td></tr></table></div></div> | clip on system \varnothing | cartridge \varnothing | weight | 15 mm | 10 mm | 12 g | P-001410-1 | | | | | | |
| clip on system \varnothing | cartridge \varnothing | weight | | | | | | | | | | | | |
| 15 mm | 10 mm | 12 g | | | | | | | | | | | | |
|  | <div><div></div><div>Cartridge connection with thread 90219-10 material: polypropylene (PP)<table><tr><th>cartridge \varnothing</th><th>thread (G)</th><th>weight</th></tr><tr><td>10 mm</td><td>1/4" outside thread</td><td>8 g</td></tr></table>inclusive: o-ring (10,78 x 2,62 mm)</div></div> | cartridge \varnothing | thread (G) | weight | 10 mm | 1/4" outside thread | 8 g | P-90219-10 | | | | | | |
| cartridge \varnothing | thread (G) | weight | | | | | | | | | | | | |
| 10 mm | 1/4" outside thread | 8 g | | | | | | | | | | | | |


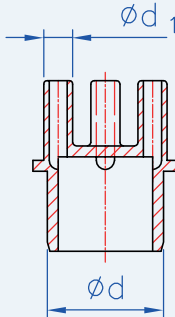
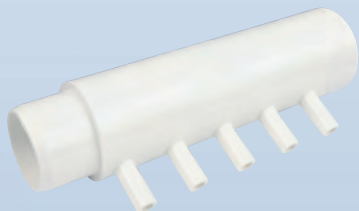
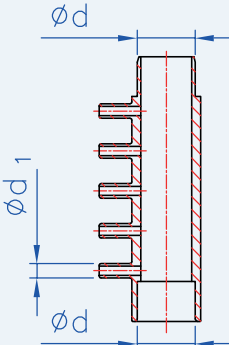
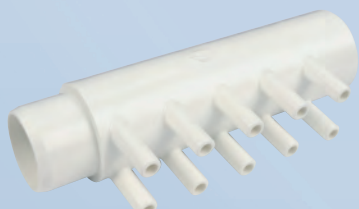
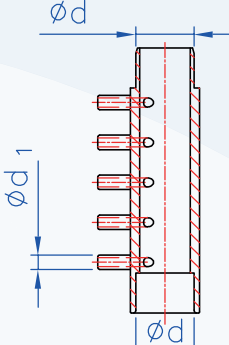
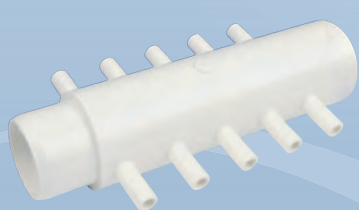
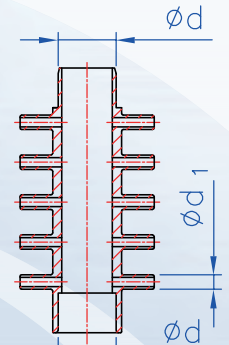

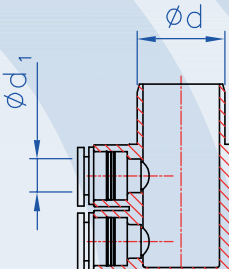
| FITTING | | | Order No. | | | | | | | | | | | | | | | | | | |
|---|---|---|-------------|-------------|--------|-----------|----------|------|--------------------|------|------|-------|-------|------|-------------------------------------|-------|------|-------|-------|------|---|
|  |  | Tee with cartridge reduced 650608-12 <table><tr><th>Ød</th><th>Ød1</th><th>weight</th></tr><tr><td>2 x 12 mm</td><td>8 mm</td><td>55 g</td></tr></table> | Ød | Ød1 | weight | 2 x 12 mm | 8 mm | 55 g | P-650608-12 | | | | | | | | | | | | |
| Ød | Ød1 | weight | | | | | | | | | | | | | | | | | | | |
| 2 x 12 mm | 8 mm | 55 g | | | | | | | | | | | | | | | | | | | |
|  |  | Tee 45° with cartridge 045312 <table><tr><th>cartridge Ø</th><th>weight</th></tr><tr><td>12 mm</td><td>33 g</td></tr></table> | cartridge Ø | weight | 12 mm | 33 g | P-045312 | | | | | | | | | | | | | | |
| cartridge Ø | weight | | | | | | | | | | | | | | | | | | | | |
| 12 mm | 33 g | | | | | | | | | | | | | | | | | | | | |
|  |  | Check valve with cartridge series 71108 <p>flow direction fixed (marked with an arrow)</p> <p>operating temperature: 60 °C (max.) working pressure: 0 - 2 bar</p> <table><tr><th>cartridge Ø</th><th>weight</th></tr><tr><td>8 mm</td><td>9 g</td></tr><tr><td>10 mm</td><td>14 g</td></tr></table> | cartridge Ø | weight | 8 mm | 9 g | 10 mm | 14 g | P-71108 P-71110 | | | | | | | | | | | | |
| cartridge Ø | weight | | | | | | | | | | | | | | | | | | | | |
| 8 mm | 9 g | | | | | | | | | | | | | | | | | | | | |
| 10 mm | 14 g | | | | | | | | | | | | | | | | | | | | |
|  |  | Check valve with cartridge series 71104-A <p>fitting in fitting</p> <p>flow direction fixed (marked with an arrow)</p> <p>operating temperature: 60 °C (max.) working pressure: 0 - 2 bar</p> <table><tr><th>Ød</th><th>cartridge Ø</th><th>weight</th></tr><tr><td>4 mm</td><td>4 mm</td><td>4 g</td></tr><tr><td>8 mm</td><td>8 mm</td><td>5 g</td></tr><tr><td>10 mm</td><td>10 mm</td><td>8 g</td></tr></table> | Ød | cartridge Ø | weight | 4 mm | 4 mm | 4 g | 8 mm | 8 mm | 5 g | 10 mm | 10 mm | 8 g | P-71104-A P-71108-A P-71110-A | | | | | | |
| Ød | cartridge Ø | weight | | | | | | | | | | | | | | | | | | | |
| 4 mm | 4 mm | 4 g | | | | | | | | | | | | | | | | | | | |
| 8 mm | 8 mm | 5 g | | | | | | | | | | | | | | | | | | | |
| 10 mm | 10 mm | 8 g | | | | | | | | | | | | | | | | | | | |
|  | | Hose for cartridge series 04-02 <p>material: plastic color: transparent</p> <table><tr><th>OD</th><th>ID</th><th>weight</th></tr><tr><td>4 mm</td><td>2 mm</td><td>8 g</td></tr><tr><td>8 mm</td><td>6 mm</td><td>21 g</td></tr><tr><td>10 mm</td><td>8 mm</td><td>28 g</td></tr><tr><td>12 mm</td><td>10 mm</td><td>32 g</td></tr><tr><td>16 mm</td><td>13 mm</td><td>61 g</td></tr></table> <p>for quantities less than 100 m, add on 20% extra charge</p> | OD | ID | weight | 4 mm | 2 mm | 8 g | 8 mm | 6 mm | 21 g | 10 mm | 8 mm | 28 g | 12 mm | 10 mm | 32 g | 16 mm | 13 mm | 61 g | P-04-02 P-08-06 P-10-08 P-12-10 P-16-13 |
| OD | ID | weight | | | | | | | | | | | | | | | | | | | |
| 4 mm | 2 mm | 8 g | | | | | | | | | | | | | | | | | | | |
| 8 mm | 6 mm | 21 g | | | | | | | | | | | | | | | | | | | |
| 10 mm | 8 mm | 28 g | | | | | | | | | | | | | | | | | | | |
| 12 mm | 10 mm | 32 g | | | | | | | | | | | | | | | | | | | |
| 16 mm | 13 mm | 61 g | | | | | | | | | | | | | | | | | | | |


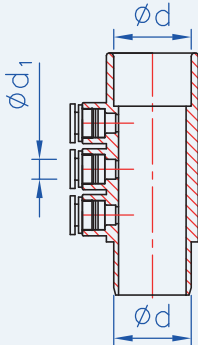

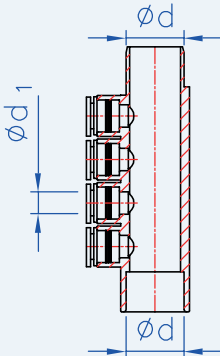

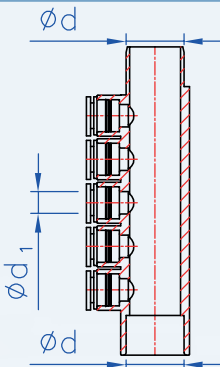
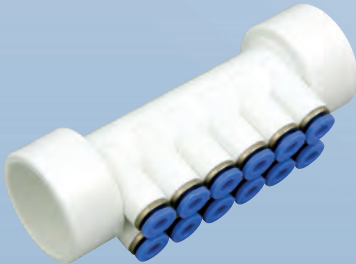
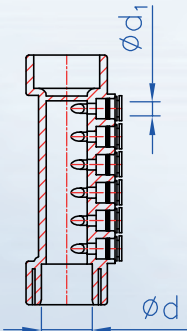

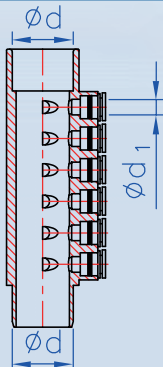
| FITTING | | Order No. | | | | | | | | | | | | |
|---|--|-------------|--------|--------|-------|----------|------|-------|-----------|----------------------------------|-------|-----------|------|--|
|  | Elbow connector series 0304-E | | | | | | | | | | | | | |
| | <table><tr><th>cartridge Ø</th><th>weight</th></tr><tr><td>4 mm</td><td>4 g</td></tr><tr><td>8 mm</td><td>8 g</td></tr><tr><td>10 mm</td><td>14 g</td></tr><tr><td>12 mm</td><td>18 g</td></tr><tr><td>16 mm</td><td>28 g</td></tr></table> | cartridge Ø | weight | 4 mm | 4 g | 8 mm | 8 g | 10 mm | 14 g | 12 mm | 18 g | 16 mm | 28 g | P-0304-E P-0308-E P-0310-E P-0312-E P-0316-E |
| | cartridge Ø | weight | | | | | | | | | | | | |
| | 4 mm | 4 g | | | | | | | | | | | | |
| | 8 mm | 8 g | | | | | | | | | | | | |
| | 10 mm | 14 g | | | | | | | | | | | | |
| 12 mm | 18 g | | | | | | | | | | | | | |
| 16 mm | 28 g | | | | | | | | | | | | | |
| suitable for cartridge connections of the selected dimension | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
|  | Tee connector series 0504-E | | | | | | | | | | | | | |
| | <table><tr><th>cartridge Ø</th><th>weight</th></tr><tr><td>4 mm</td><td>7 g</td></tr><tr><td>8 mm</td><td>11 g</td></tr><tr><td>10 mm</td><td>20 g</td></tr><tr><td>12 mm</td><td>26 g</td></tr><tr><td>16 mm</td><td>40 g</td></tr></table> | cartridge Ø | weight | 4 mm | 7 g | 8 mm | 11 g | 10 mm | 20 g | 12 mm | 26 g | 16 mm | 40 g | P-0504-E P-0508-E P-0510-E P-0512-E P-0516-E |
| | cartridge Ø | weight | | | | | | | | | | | | |
| | 4 mm | 7 g | | | | | | | | | | | | |
| | 8 mm | 11 g | | | | | | | | | | | | |
| | 10 mm | 20 g | | | | | | | | | | | | |
| 12 mm | 26 g | | | | | | | | | | | | | |
| 16 mm | 40 g | | | | | | | | | | | | | |
| suitable for cartridge connections of the selected dimension | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
|  | Tee connector reduced series 051008 | | | | | | | | | | | | | |
| | <table><tr><th>Ød</th><th>Ød1</th><th>weight</th></tr><tr><td>10 mm</td><td>2 x 8 mm</td><td>19 g</td></tr><tr><td>12 mm</td><td>2 x 10 mm</td><td>27 g</td></tr><tr><td>16 mm</td><td>2 x 12 mm</td><td>41 g</td></tr></table> | Ød | Ød1 | weight | 10 mm | 2 x 8 mm | 19 g | 12 mm | 2 x 10 mm | 27 g | 16 mm | 2 x 12 mm | 41 g | P-051008 P-051210 P-051612 |
| | Ød | Ød1 | weight | | | | | | | | | | | |
| | 10 mm | 2 x 8 mm | 19 g | | | | | | | | | | | |
| | 12 mm | 2 x 10 mm | 27 g | | | | | | | | | | | |
| | 16 mm | 2 x 12 mm | 41 g | | | | | | | | | | | |
| suitable for cartridge connections of the selected dimension | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
|  | Cross connector series 0608-E | | | | | | | | | | | | | |
| | <table><tr><th>cartridge Ø</th><th>weight</th></tr><tr><td>8 mm</td><td>14 g</td></tr><tr><td>10 mm</td><td>27 g</td></tr><tr><td>12 mm</td><td>34 g</td></tr></table> | cartridge Ø | weight | 8 mm | 14 g | 10 mm | 27 g | 12 mm | 34 g | P-0608-E P-0610-E P-0612-E | | | | |
| | cartridge Ø | weight | | | | | | | | | | | | |
| | 8 mm | 14 g | | | | | | | | | | | | |
| | 10 mm | 27 g | | | | | | | | | | | | |
| | 12 mm | 34 g | | | | | | | | | | | | |
| suitable for cartridge connections of the selected dimension | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
|  | Straight connector series 0404-E | | | | | | | | | | | | | |
| | <table><tr><th>cartridge Ø</th><th>weight</th></tr><tr><td>4 mm</td><td>4 g</td></tr><tr><td>8 mm</td><td>9 g</td></tr><tr><td>10 mm</td><td>13 g</td></tr><tr><td>12 mm</td><td>17 g</td></tr><tr><td>16 mm</td><td>25 g</td></tr></table> | cartridge Ø | weight | 4 mm | 4 g | 8 mm | 9 g | 10 mm | 13 g | 12 mm | 17 g | 16 mm | 25 g | P-0404-E P-0408-E P-0410-E P-0412-E P-0416-E |
| | cartridge Ø | weight | | | | | | | | | | | | |
| | 4 mm | 4 g | | | | | | | | | | | | |
| | 8 mm | 9 g | | | | | | | | | | | | |
| | 10 mm | 13 g | | | | | | | | | | | | |
| 12 mm | 17 g | | | | | | | | | | | | | |
| 16 mm | 25 g | | | | | | | | | | | | | |
| suitable for cartridge connections of the selected dimension | | | | | | | | | | | | | | |


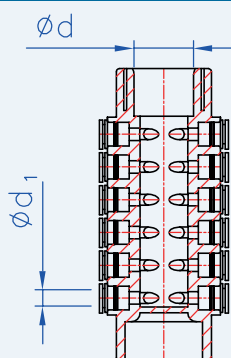
| FITTING | | | Order No. | | | | | | | | | | | |
|---|---|-------------|------------|--------|-------|--------------------|------|----------------------|--------------------|-------|-------|--------------------|------|--|
|  | Straight connector reduced 041008E <table><tr><th>Ød</th><th>Ød1</th><th>weight</th></tr><tr><td>10 mm</td><td>8 mm</td><td>9 g</td></tr></table> | Ød | Ød1 | weight | 10 mm | 8 mm | 9 g | P-041008E | | | | | | |
| Ød | Ød1 | weight | | | | | | | | | | | | |
| 10 mm | 8 mm | 9 g | | | | | | | | | | | | |
|  | Y connector series 070808 <table><tr><th>cartridge Ø</th><th>weight</th></tr><tr><td>8 mm</td><td>11 g</td></tr><tr><td>10 mm</td><td>20 g</td></tr></table> | cartridge Ø | weight | 8 mm | 11 g | 10 mm | 20 g | P-070808 P-071010 | | | | | | |
| cartridge Ø | weight | | | | | | | | | | | | | |
| 8 mm | 11 g | | | | | | | | | | | | | |
| 10 mm | 20 g | | | | | | | | | | | | | |
|  | Y connector reduced series 071008 <table><tr><th>Ød</th><th>Ød1</th><th>weight</th></tr><tr><td>10 mm</td><td>2 x 8 mm</td><td>20 g</td></tr><tr><td>12 mm</td><td>2 x 10 mm</td><td>29 g</td></tr><tr><td>16 mm</td><td>2 x 12 mm</td><td>32 g</td></tr></table> | Ød | Ød1 | weight | 10 mm | 2 x 8 mm | 20 g | 12 mm | 2 x 10 mm | 29 g | 16 mm | 2 x 12 mm | 32 g | P-071008 P-071210 P-071612 |
| Ød | Ød1 | weight | | | | | | | | | | | | |
| 10 mm | 2 x 8 mm | 20 g | | | | | | | | | | | | |
| 12 mm | 2 x 10 mm | 29 g | | | | | | | | | | | | |
| 16 mm | 2 x 12 mm | 32 g | | | | | | | | | | | | |
|  | Drain plug series 0104-E <table><tr><th>cartridge Ø</th><th>weight</th></tr><tr><td>4 mm</td><td>1 g</td></tr><tr><td>8 mm</td><td>2 g</td></tr><tr><td>10 mm</td><td>2 g</td></tr><tr><td>12 mm</td><td>4 g</td></tr><tr><td>16 mm</td><td>10 g</td></tr></table> | cartridge Ø | weight | 4 mm | 1 g | 8 mm | 2 g | 10 mm | 2 g | 12 mm | 4 g | 16 mm | 10 g | P-0104-E P-0108-E P-0110-E P-0112-E P-0116-E |
| cartridge Ø | weight | | | | | | | | | | | | | |
| 4 mm | 1 g | | | | | | | | | | | | | |
| 8 mm | 2 g | | | | | | | | | | | | | |
| 10 mm | 2 g | | | | | | | | | | | | | |
| 12 mm | 4 g | | | | | | | | | | | | | |
| 16 mm | 10 g | | | | | | | | | | | | | |
|  | Elbow connector with inside thread series 0310-1-2 <table><tr><th>cartridge Ø</th><th>thread (G)</th><th>weight</th></tr><tr><td>10 mm</td><td>1/2" inside thread</td><td>52 g</td></tr><tr><td>12 mm</td><td>1/2" inside thread</td><td>60 g</td></tr><tr><td>16 mm</td><td>1/2" inside thread</td><td>67 g</td></tr></table> | cartridge Ø | thread (G) | weight | 10 mm | 1/2" inside thread | 52 g | 12 mm | 1/2" inside thread | 60 g | 16 mm | 1/2" inside thread | 67 g | P-0310-1-2 P-0312-1-2 P-0316-1-2 |
| cartridge Ø | thread (G) | weight | | | | | | | | | | | | |
| 10 mm | 1/2" inside thread | 52 g | | | | | | | | | | | | |
| 12 mm | 1/2" inside thread | 60 g | | | | | | | | | | | | |
| 16 mm | 1/2" inside thread | 67 g | | | | | | | | | | | | |

| FITTING | | | Order No. |
|---|---|---------------------|--|
|  | Elbow connector with outside thread series 1310-1-2 | | |
| | cartridge Ø | thread (G) | weight |
| | 10 mm | 1/2" outside thread | 44 g |
| | 12 mm | 1/2" outside thread | 42 g |
| | 16 mm | 1/2" outside thread | 75 g |
| | | | P-1310-1-2 P-1312-1-2 P-1316-1-2 |
|  | Tee connector with outside thread series 1510-1-2 | | |
| | cartridge Ø | thread (G) | weight |
| | 10 mm | 1/2" outside thread | 54 g |
| | 12 mm | 1/2" outside thread | 58 g |
| | 16 mm | 1/2" outside thread | 87 g |
| | | | P-1510-1-2 P-1512-1-2 P-1516-1-2 |
|  | Straight connector with inside thread series 0810-1-2 | | |
| | cartridge Ø | thread (G) | weight |
| | 10 mm | 1/2" inside thread | 38 g |
| | 12 mm | 1/2" inside thread | 46 g |
| | 16 mm | 1/2" inside thread | 49 g |
| | | | P-0810-1-2 P-0812-1-2 P-0816-1-2 |
|  | Straight connector with outside thread series 1810-1-2 | | |
| | cartridge Ø | thread (G) | weight |
| | 10 mm | 1/2" outside thread | 32 g |
| | 12 mm | 1/2" outside thread | 40 g |
| | 16 mm | 1/2" outside thread | 41 g |
| | | | P-1810-1-2 P-1812-1-2 P-1816-1-2 |
|  | Y connector with outside thread series 1710-1-2 | | |
| | cartridge Ø | thread (G) | weight |
| | 10 mm | 1/2" outside thread | 53 g |
| | 12 mm | 1/2" outside thread | 59 g |
| | | | P-1710-1-2 P-1712-1-2 |

| FITTING | | Order No. | | | | | | | | | | | | |
|---|---|---------------------|--------|----|--------|-------|--------|-------|-------|-------|--------|--------|-------|----------------------------------|
|  | <div></div> <div>Double elbow 180° series 600001 adhesive socket</div> <table><thead><tr><th>Ød</th><th>L</th><th>L1</th><th>weight</th></tr></thead><tbody><tr><td>32 mm</td><td>102 mm</td><td>60 mm</td><td>109 g</td></tr><tr><td>32 mm</td><td>150 mm</td><td>108 mm</td><td>138 g</td></tr></tbody></table> <td><div>P-600001 P-600000</div></td> | Ød | L | L1 | weight | 32 mm | 102 mm | 60 mm | 109 g | 32 mm | 150 mm | 108 mm | 138 g | <div>P-600001 P-600000</div> |
| Ød | L | L1 | weight | | | | | | | | | | | |
| 32 mm | 102 mm | 60 mm | 109 g | | | | | | | | | | | |
| 32 mm | 150 mm | 108 mm | 138 g | | | | | | | | | | | |
|  | <div>Hose manifold 1103-3 material: plastic connection: 3-fold hose connection Ø: 12 mm weight: 6 g</div> <div>suitable for hose P-019</div> | <div>P-1103-3</div> | | | | | | | | | | | | |
|  | <div>Hose manifold 1103-4 material: plastic connection: 4-fold hose connection Ø: 12 mm weight: 7 g</div> <div>suitable for hose P-019</div> | <div>P-1103-4</div> | | | | | | | | | | | | |
|  | <div>Hose manifold 1103-5 material: plastic connection: 5-fold hose connection Ø: 12 mm weight: 11 g</div> <div>suitable for hose P-019</div> | <div>P-1103-5</div> | | | | | | | | | | | | |
|  | <div>Hose manifold 1103-6 material: plastic connection: 6-fold hose connection Ø: 12 mm weight: 12 g</div> <div>suitable for hose P-019</div> | <div>P-1103-6</div> | | | | | | | | | | | | |

| FITTING | | | | Order No. | | | | | | | | | | | |
|---|---|---|--------|-------------|---------|--------|-------|-------|---------|-------|-----------|------|-----------|-------|--------------------------|
|  |  | <p>Distributor 4-fold single sided 32408 fitting in fitting</p> <table><tr><th>Ød</th><th>Ød1</th><th>outlets</th><th>weight</th></tr><tr><td>32 mm</td><td>8 mm</td><td>4 open</td><td>17 g</td></tr></table> | Ød | Ød1 | outlets | weight | 32 mm | 8 mm | 4 open | 17 g | P-32408 | | | | |
| Ød | Ød1 | outlets | weight | | | | | | | | | | | | |
| 32 mm | 8 mm | 4 open | 17 g | | | | | | | | | | | | |
|  |  | <p>Distributor 5-fold single sided series 20208-20 fitting in fitting</p> <table><tr><th>Ød</th><th>Ød1</th><th>outlets</th><th>weight</th></tr><tr><td>32 mm</td><td>8 mm</td><td>5 open</td><td>94 g</td></tr><tr><td>32 mm</td><td>8 mm</td><td>5 closed</td><td>96 g</td></tr></table> <p>The closed model allows you to drill open the required connections.</p> | Ød | Ød1 | outlets | weight | 32 mm | 8 mm | 5 open | 94 g | 32 mm | 8 mm | 5 closed | 96 g | P-20208-20 P-20208-21 |
| Ød | Ød1 | outlets | weight | | | | | | | | | | | | |
| 32 mm | 8 mm | 5 open | 94 g | | | | | | | | | | | | |
| 32 mm | 8 mm | 5 closed | 96 g | | | | | | | | | | | | |
|  |  | <p>Distributor 10-fold single sided series 20208-22 fitting in fitting</p> <table><tr><th>Ød</th><th>Ød1</th><th>outlets</th><th>weight</th></tr><tr><td>32 mm</td><td>8 mm</td><td>10 open</td><td>104 g</td></tr><tr><td>32 mm</td><td>8 mm</td><td>10 closed</td><td>108 g</td></tr></table> <p>The closed model allows you to drill open the required connections.</p> | Ød | Ød1 | outlets | weight | 32 mm | 8 mm | 10 open | 104 g | 32 mm | 8 mm | 10 closed | 108 g | P-20208-22 P-20208-23 |
| Ød | Ød1 | outlets | weight | | | | | | | | | | | | |
| 32 mm | 8 mm | 10 open | 104 g | | | | | | | | | | | | |
| 32 mm | 8 mm | 10 closed | 108 g | | | | | | | | | | | | |
|  |  | <p>Distributor 10-fold double sided series 20208 fitting in fitting</p> <table><tr><th>Ød</th><th>Ød1</th><th>outlets</th><th>weight</th></tr><tr><td>32 mm</td><td>8 mm</td><td>10 open</td><td>101 g</td></tr><tr><td>32 mm</td><td>8 mm</td><td>10 closed</td><td>105 g</td></tr></table> <p>The closed model allows you to drill open the required connections.</p> | Ød | Ød1 | outlets | weight | 32 mm | 8 mm | 10 open | 101 g | 32 mm | 8 mm | 10 closed | 105 g | P-20208 P-20208-1 |
| Ød | Ød1 | outlets | weight | | | | | | | | | | | | |
| 32 mm | 8 mm | 10 open | 101 g | | | | | | | | | | | | |
| 32 mm | 8 mm | 10 closed | 105 g | | | | | | | | | | | | |
|  |  | <p>Distributor with cartridge 4-fold 20312-4 fitting in fitting</p> <table><tr><th>Ød</th><th>cartridge Ø</th><th>outlets</th><th>weight</th></tr><tr><td>32 mm</td><td>12 mm</td><td>4</td><td>79 g</td></tr></table> | Ød | cartridge Ø | outlets | weight | 32 mm | 12 mm | 4 | 79 g | P-20312-4 | | | | |
| Ød | cartridge Ø | outlets | weight | | | | | | | | | | | | |
| 32 mm | 12 mm | 4 | 79 g | | | | | | | | | | | | |

| FITTING | | | Order No. | | | | | | | | | | | | |
|--|---|---|-----------|-------------|---------|--------|-------|-------|----|-------|------------|-------|----|-------|--------------------------|
|  |  | <p>Distributor with cartridge 6-fold 20308-6 fitting in fitting</p> <table><tr><th>Ød</th><th>cartridge Ø</th><th>outlets</th><th>weight</th></tr><tr><td>32 mm</td><td>8 mm</td><td>6</td><td>82 g</td></tr></table> | Ød | cartridge Ø | outlets | weight | 32 mm | 8 mm | 6 | 82 g | P-20308-6 | | | | |
| Ød | cartridge Ø | outlets | weight | | | | | | | | | | | | |
| 32 mm | 8 mm | 6 | 82 g | | | | | | | | | | | | |
|  |  | <p>Distributor with cartridge 8-fold 20312-8 fitting in fitting</p> <table><tr><th>Ød</th><th>cartridge Ø</th><th>outlets</th><th>weight</th></tr><tr><td>32 mm</td><td>12 mm</td><td>8</td><td>169 g</td></tr></table> | Ød | cartridge Ø | outlets | weight | 32 mm | 12 mm | 8 | 169 g | P-20312-8 | | | | |
| Ød | cartridge Ø | outlets | weight | | | | | | | | | | | | |
| 32 mm | 12 mm | 8 | 169 g | | | | | | | | | | | | |
|  |  | <p>Distributor with cartridge 10-fold series 20308-10 fitting in fitting</p> <table><tr><th>Ød</th><th>cartridge Ø</th><th>outlets</th><th>weight</th></tr><tr><td>32 mm</td><td>8 mm</td><td>10</td><td>133 g</td></tr><tr><td>32 mm</td><td>10 mm</td><td>10</td><td>165 g</td></tr></table> | Ød | cartridge Ø | outlets | weight | 32 mm | 8 mm | 10 | 133 g | 32 mm | 10 mm | 10 | 165 g | P-20308-10 P-20310-10 |
| Ød | cartridge Ø | outlets | weight | | | | | | | | | | | | |
| 32 mm | 8 mm | 10 | 133 g | | | | | | | | | | | | |
| 32 mm | 10 mm | 10 | 165 g | | | | | | | | | | | | |
|  |  | <p>Distributor with cartridge 12-fold 20304-12 fitting in fitting</p> <table><tr><th>Ød</th><th>cartridge Ø</th><th>outlets</th><th>weight</th></tr><tr><td>20 mm</td><td>4 mm</td><td>12</td><td>55 g</td></tr></table> | Ød | cartridge Ø | outlets | weight | 20 mm | 4 mm | 12 | 55 g | P-20304-12 | | | | |
| Ød | cartridge Ø | outlets | weight | | | | | | | | | | | | |
| 20 mm | 4 mm | 12 | 55 g | | | | | | | | | | | | |
|  |  | <p>Distributor with cartridge 18-fold 20308-18 fitting in fitting</p> <table><tr><th>Ød</th><th>cartridge Ø</th><th>outlets</th><th>weight</th></tr><tr><td>32 mm</td><td>8 mm</td><td>18</td><td>172 g</td></tr></table> | Ød | cartridge Ø | outlets | weight | 32 mm | 8 mm | 18 | 172 g | P-20308-18 | | | | |
| Ød | cartridge Ø | outlets | weight | | | | | | | | | | | | |
| 32 mm | 8 mm | 18 | 172 g | | | | | | | | | | | | |

| FITTING | | | | Order No. | | |
|---|---|--|--------------------|------------|----------------|---------------|
|  |  | Distributor with cartridge 24-fold 20304-24 fitting in fitting | | P-20304-24 | | |
| | | | | | | |
| | | Ød | cartridge Ø | | outlets | weight |
| | | 20 mm | 4 mm | | 24 | 80 g |



LEGS

5



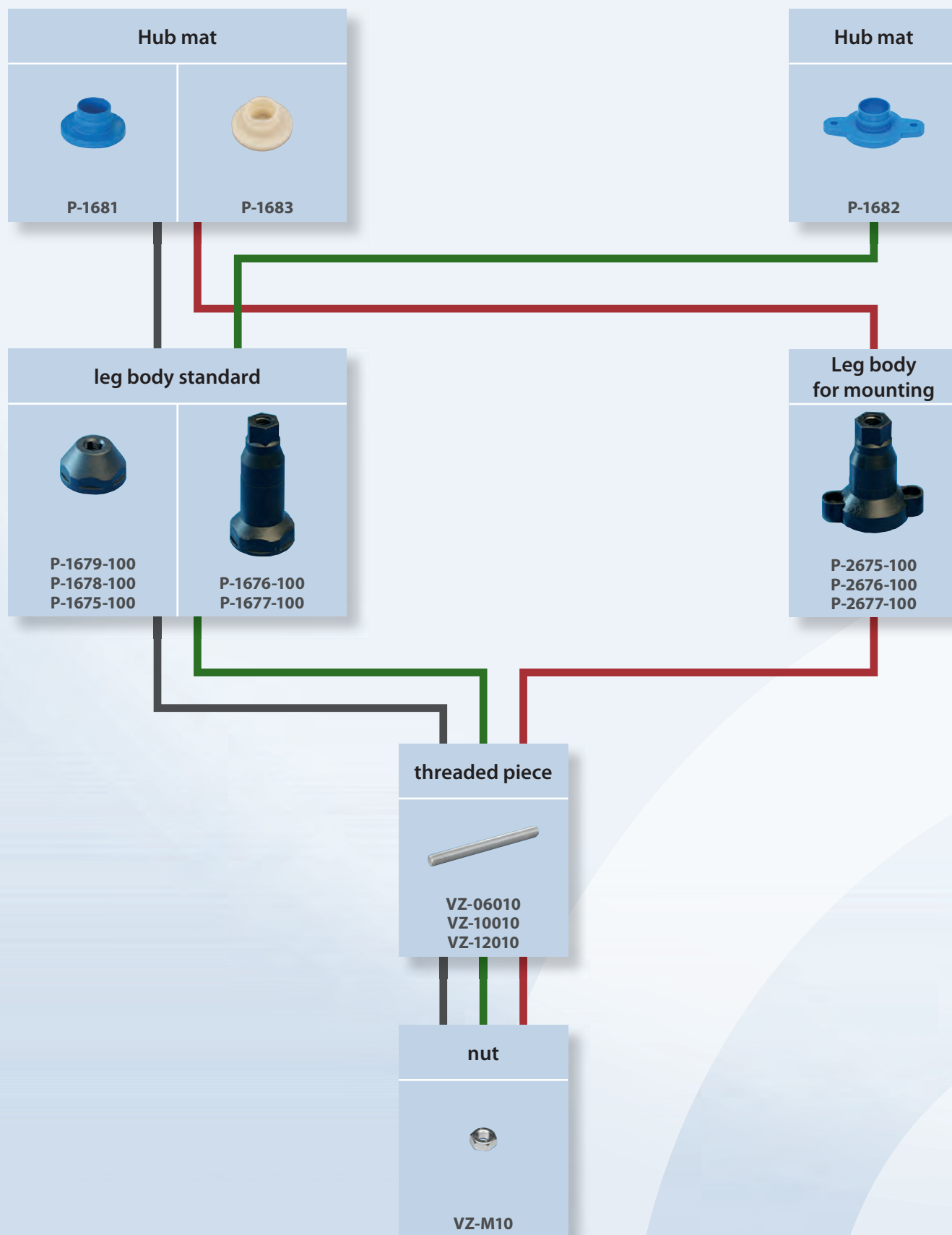
Features - Legs

- Variety of legs in various length, dimensions and versions
- Modular bathtub strengtheners as replacements for wooden base boards
- Bathtub frames individually adjustable on the bathtub
- Universal applicable c-profil:
 - 1) No welding necessary – all screwed
 - 2) Galvanised – no varnish needed
 - 3) Simple connection – washers, screws, etc....
 - 4) Simple mounting of blower and jet pump without any further tools
- Stackable metal leg frameworks – less storage space and transportation costs
- Universal tool carrier for disinfection units, transformers, etc.
- Leg sets for bath tubs

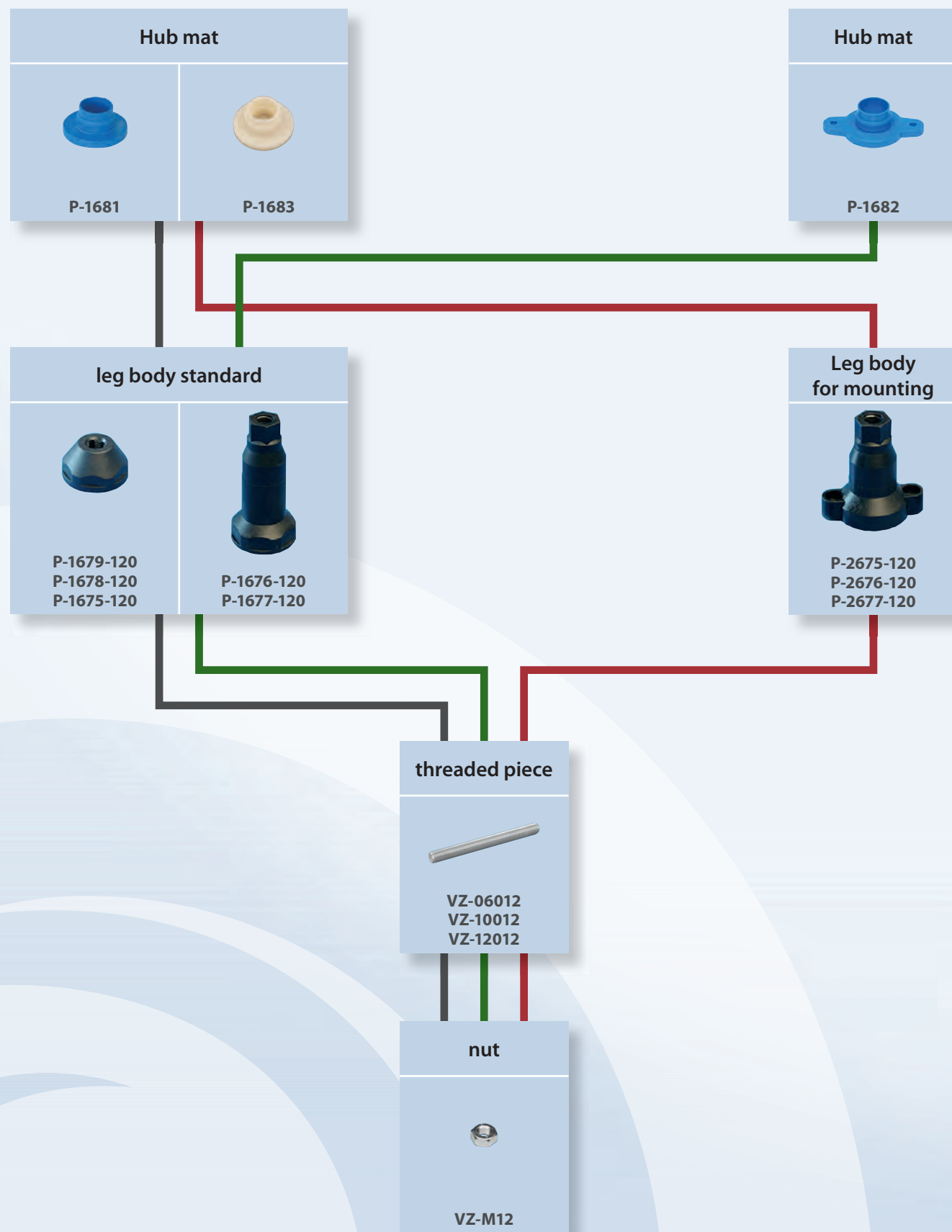


| LEGS | | | Order No. |
|---|--|--------|-----------|
|  | Leg body series 1679-10-81 variant: standard with hub mat standard | | |
| | height | thread | weight |
| | 22 mm | M 10 | 23 g |
| | 22 mm | M 12 | 22 g |
| | 35 mm | M 10 | 23 g |
| | 35 mm | M 12 | 23 g |
| | 60 mm | M 10 | 28 g |
| | 60 mm | M 12 | 28 g |
|  | Leg body series 1676-10-81 variant: standard with hub mat standard | | |
| | height | thread | weight |
| | 80 mm | M 10 | 33 g |
| | 80 mm | M 12 | 34 g |
| | 100 mm | M 10 | 39 g |
| | 100 mm | M 12 | 40 g |
|  | Leg body series 1679-10-82 variant: standard with hub mat for mounting | | |
| | height | thread | weight |
| | 22 mm | M 10 | 24 g |
| | 22 mm | M 12 | 23 g |
| | 35 mm | M 10 | 24 g |
| | 35 mm | M 12 | 24 g |
| | 60 mm | M 10 | 29 g |
| | 60 mm | M 12 | 29 g |
|  | Leg body series 1676-10-82 variant: standard with hub mat for mounting | | |
| | height | thread | weight |
| | 80 mm | M 10 | 34 g |
| | 80 mm | M 12 | 35 g |
| | 100 mm | M 10 | 40 g |
| | 100 mm | M 12 | 41 g |
|  | Leg body series 2675-10-81 variant: for mounting with hub mat standard | | |
| | height | thread | weight |
| | 60 mm | M 10 | 30 g |
| | 60 mm | M 12 | 31 g |
| | 80 mm | M 10 | 37 g |
| | 80 mm | M 12 | 37 g |
| | 100 mm | M 10 | 42 g |
| | 100 mm | M 12 | 43 g |

Adjustable leg M10 - structure



Adjustable leg M12 - structure



| LEGS | | | Order No. | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|--------|------------|--------|--|-------|------|------|------------|-------|------|------|------------|-------|------|------|------------|-------|------|------|------------|-------|------|------|------------|-------|------|------|------------|--|
|  | <p>Hub mat standard 1681</p> <p>material: plastic weight: 5 g</p> <p>suitable for: leg body standard leg body for mounting</p> | P-1681 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | <p>Hub mat non-slip 1683</p> <p>minimised transmission of noise</p> <p>material: plastic weight: 7 g</p> <p>suitable for: leg body standard leg body for mounting</p> | P-1683 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | <p>Hub mat for mounting 1682</p> <p>material: plastic weight: 6 g</p> <p>suitable for: leg body standard</p> | P-1682 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | <p>Leg body standard series 1679-100</p> <p>material: plastic</p> <table><thead><tr><th>height</th><th>thread</th><th>weight</th><th></th></tr></thead><tbody><tr><td>22 mm</td><td>M 10</td><td>17 g</td><td>P-1679-100</td></tr><tr><td>22 mm</td><td>M 12</td><td>16 g</td><td>P-1679-120</td></tr><tr><td>35 mm</td><td>M 10</td><td>17 g</td><td>P-1678-100</td></tr><tr><td>35 mm</td><td>M 12</td><td>17 g</td><td>P-1678-120</td></tr><tr><td>60 mm</td><td>M 10</td><td>22 g</td><td>P-1675-100</td></tr><tr><td>60 mm</td><td>M 12</td><td>23 g</td><td>P-1675-120</td></tr></tbody></table> | height | thread | weight | | 22 mm | M 10 | 17 g | P-1679-100 | 22 mm | M 12 | 16 g | P-1679-120 | 35 mm | M 10 | 17 g | P-1678-100 | 35 mm | M 12 | 17 g | P-1678-120 | 60 mm | M 10 | 22 g | P-1675-100 | 60 mm | M 12 | 23 g | P-1675-120 | |
| height | thread | weight | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 mm | M 10 | 17 g | P-1679-100 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 mm | M 12 | 16 g | P-1679-120 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 35 mm | M 10 | 17 g | P-1678-100 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 35 mm | M 12 | 17 g | P-1678-120 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60 mm | M 10 | 22 g | P-1675-100 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60 mm | M 12 | 23 g | P-1675-120 | | | | | | | | | | | | | | | | | | | | | | | | | | | |



Main Catalogue system components for whirlpool tubs

<





| LEGS | | | Order No. |
|---|---|---------------|------------|
|  | Leg body standard series 1676-100 material: plastic | | |
| | height | thread weight | |
| | 80 mm | M 10 27 g | P-1676-100 |
| | 80 mm | M 12 28 g | P-1676-120 |
| | 100 mm | M 10 33 g | P-1677-100 |
| | 100 mm | M 12 33 g | P-1677-120 |
|  | Leg body for mounting series 2675-100 material: plastic | | |
| | height | thread weight | |
| | 60 mm | M 10 25 g | P-2675-100 |
| | 60 mm | M 12 24 g | P-2675-120 |
| | 80 mm | M 10 31 g | P-2676-100 |
| | 80 mm | M 12 61 g | P-2676-120 |
| | 100 mm | M 10 36 g | P-2677-100 |
| | 100 mm | M 12 37 g | P-2677-120 |
|  | Threaded piece series 06010 material: steel galvanized | | |
| | length | thread weight | |
| | 60 mm | M 10 29 g | VZ-06010 |
| | 100 mm | M 10 48 g | VZ-10010 |
| | 120 mm | M 10 57 g | VZ-12010 |
| | 60 mm | M 12 42 g | VZ-06012 |
| | 100 mm | M 12 70 g | VZ-10012 |
| | 120 mm | M 12 85 g | VZ-12012 |
|  | Nut series M10 material: steel galvanized | | |
| | thread | weight | |
| | M 10 | 10 g | VZ-M10 |
| | M 12 | 16 g | VZ-M12 |

| LEGS | | | | Order No. | | | | | | | | | | | | | | | | | | | | |
|---|--|--------|--------|-----------|--------|--------|--------|-------|-------|------|------|-------|--------|------|------|------------------|-------|------|------|-------|--------|------|-------|----------------------------------|
| <div>WILL BE DISCONTINUED</div>  | Mounting angle 670-51 material: steel galvanized side length: 142 mm width: 139 mm weight: 570 g suitable for: jet pumps: 1711-XXX, 1712-XXX, 1713-XXX, 2611-XXX, 2612-XXX, 3611-XXX, 3612-XXX, 4611-XXX, 4612-XXX and blowers | | | VZ-670-51 | | | | | | | | | | | | | | | | | | | | |
|  | Leg lower part swivelling series 670-1 with nut variant: for mounting <table><tr><th>leg Ø</th><th>length</th><th>thread</th><th>weight</th></tr><tr><td>40 mm</td><td>60 mm</td><td>M 10</td><td>62 g</td></tr><tr><td>40 mm</td><td>100 mm</td><td>M 10</td><td>82 g</td></tr><tr><td>40 mm</td><td>60 mm</td><td>M 12</td><td>78 g</td></tr><tr><td>40 mm</td><td>100 mm</td><td>M 12</td><td>107 g</td></tr></table> | | | leg Ø | length | thread | weight | 40 mm | 60 mm | M 10 | 62 g | 40 mm | 100 mm | M 10 | 82 g | 40 mm | 60 mm | M 12 | 78 g | 40 mm | 100 mm | M 12 | 107 g | 670-1 670-2 670-3 670-4 |
| leg Ø | length | thread | weight | | | | | | | | | | | | | | | | | | | | | |
| 40 mm | 60 mm | M 10 | 62 g | | | | | | | | | | | | | | | | | | | | | |
| 40 mm | 100 mm | M 10 | 82 g | | | | | | | | | | | | | | | | | | | | | |
| 40 mm | 60 mm | M 12 | 78 g | | | | | | | | | | | | | | | | | | | | | |
| 40 mm | 100 mm | M 12 | 107 g | | | | | | | | | | | | | | | | | | | | | |
|  | Leg lower part swivelling series 671-1 with nut variant: for mounting <table><tr><th>leg Ø</th><th>length</th><th>thread</th><th>weight</th></tr><tr><td>60 mm</td><td>60 mm</td><td>M 10</td><td>78 g</td></tr><tr><td>60 mm</td><td>100 mm</td><td>M 10</td><td>98 g</td></tr><tr><td>60 mm</td><td>60 mm</td><td>M 12</td><td>94 g</td></tr><tr><td>60 mm</td><td>100 mm</td><td>M 12</td><td>122 g</td></tr></table> | | | leg Ø | length | thread | weight | 60 mm | 60 mm | M 10 | 78 g | 60 mm | 100 mm | M 10 | 98 g | 60 mm | 60 mm | M 12 | 94 g | 60 mm | 100 mm | M 12 | 122 g | 671-1 671-2 671-3 671-4 |
| leg Ø | length | thread | weight | | | | | | | | | | | | | | | | | | | | | |
| 60 mm | 60 mm | M 10 | 78 g | | | | | | | | | | | | | | | | | | | | | |
| 60 mm | 100 mm | M 10 | 98 g | | | | | | | | | | | | | | | | | | | | | |
| 60 mm | 60 mm | M 12 | 94 g | | | | | | | | | | | | | | | | | | | | | |
| 60 mm | 100 mm | M 12 | 122 g | | | | | | | | | | | | | | | | | | | | | |
|  | Leg lower part fixe series 670-10 with nut variant: for mounting <table><tr><th>leg Ø</th><th>length</th><th>thread</th><th>weight</th></tr><tr><td>40 mm</td><td>60 mm</td><td>M 10</td><td>50 g</td></tr><tr><td>40 mm</td><td>100 mm</td><td>M 10</td><td>69 g</td></tr></table> | | | leg Ø | length | thread | weight | 40 mm | 60 mm | M 10 | 50 g | 40 mm | 100 mm | M 10 | 69 g | 670-10 670-20 | | | | | | | | |
| leg Ø | length | thread | weight | | | | | | | | | | | | | | | | | | | | | |
| 40 mm | 60 mm | M 10 | 50 g | | | | | | | | | | | | | | | | | | | | | |
| 40 mm | 100 mm | M 10 | 69 g | | | | | | | | | | | | | | | | | | | | | |
|  | Leg lower part fixe series 671-10 with nut variant: for mounting <table><tr><th>leg Ø</th><th>length</th><th>thread</th><th>weight</th></tr><tr><td>60 mm</td><td>60 mm</td><td>M 10</td><td>68 g</td></tr><tr><td>60 mm</td><td>100 mm</td><td>M 10</td><td>87 g</td></tr></table> | | | leg Ø | length | thread | weight | 60 mm | 60 mm | M 10 | 68 g | 60 mm | 100 mm | M 10 | 87 g | 671-10 671-20 | | | | | | | | |
| leg Ø | length | thread | weight | | | | | | | | | | | | | | | | | | | | | |
| 60 mm | 60 mm | M 10 | 68 g | | | | | | | | | | | | | | | | | | | | | |
| 60 mm | 100 mm | M 10 | 87 g | | | | | | | | | | | | | | | | | | | | | |

| LEGS | | | | Order No. |
|--|---|--|--|-------------------------|
|  | Rubber mat series 673-X for leg lower part | | | |
| | \emptyset 40 mm 60 mm | leg lower part: 670-1 to 670-4, 670-10, 670-20 leg lower part: 671-1 to 671-4, 671-10, 671-20 | suitable for: weight 5 g 15 g | 673-1 673-2 |
|  | Rubber mat vaulted 673-1R for leg lower part | | | |
| | \emptyset 40 mm | leg lower part: 670-1 to 670-4, 670-10, 670-20 | suitable for: weight 5 g | 673-1R |
| Functional description: Due to the domed bottom side there is an even better sound-decoupling of the foot underpart. | | | | |
|  <div>WILL BE DISCONTINUED</div> | Leg series 662-X material: steel galvanized thickness: 6 mm thread: M 10 width: 70 mm height: 110 mm | | | |
| | length weight 400 mm 2 kg 500 mm 2.2 kg 600 mm 2.7 kg | | | 662-2 662-4 662-6 |
|  <div>WILL BE DISCONTINUED</div> | Frame for legs series 663-X material: steel galvanized thread: M 10 | | | |
| | dimension suitable for: weight 310 x 600 mm leg: 662-2 1.8 kg 410 x 600 mm leg: 662-4 2 kg 510 x 600 mm leg: 662-2 2.3 kg | | | 663-2 663-4 663-6 |
|  | Plate series 665 material: plastic thickness: 10 mm | | | |
| | dimension weight 250 x 330 mm 0.8 kg 250 x 650 mm 1.5 kg | | | 665 666 |
| Different blanks possible. Price on inquiry! | | | | |

| LEGS | Order No. | | | | | | |
|--|-------------------|--------|--------------|-------|--------------|-------|--------------------------|
|  <p>Mounting plate angled for jet pump 670-30 material: steel galvanized length: 550 mm width: 160 mm weight: 2.3 kg</p> <p>suitable for: jet pumps: 1711-XXX, 1712-XXX, 1713-XXX, 2611-XXX, 2612-XXX, 3611-XXX, 3612-XXX, 4611-XXX, 4612-XXX</p> | VZ-670-30 | | | | | | |
| <div>WILL BE DISCONTINUED</div>  <p>Mounting plate straight for jet pump 670-31 material: steel galvanized length: 550 mm width: 160 mm weight: 2.7 kg</p> <p>suitable for: jet pumps: 1711-XXX, 1712-XXX, 1713-XXX, 2611-XXX, 2612-XXX, 3611-XXX, 3612-XXX, 4611-XXX, 4612-XXX</p> | VZ-670-31 | | | | | | |
|  <p>Tub strengthening series 9301-6-7 45° bevelled at the side with thread and thread protector</p> <p>material: plastic thread: M 10</p> <table> <thead> <tr> <th>length adjustable</th><th>weight</th></tr> </thead> <tbody> <tr> <td>240 - 400 mm</td><td>101 g</td></tr> <tr> <td>410 - 600 mm</td><td>137 g</td></tr> </tbody> </table> | length adjustable | weight | 240 - 400 mm | 101 g | 410 - 600 mm | 137 g | P-9301-6-7 P-9301-6-8 |
| length adjustable | weight | | | | | | |
| 240 - 400 mm | 101 g | | | | | | |
| 410 - 600 mm | 137 g | | | | | | |
|  <p>Tub strengthening 9301-9-10 45° bevelled at the side</p> <p>material: plastic length adjustable: 260 - 470 mm weight: 97 g</p> | P-9301-9-10 | | | | | | |
|  <p>Tub strengthening 9301-9-10A 45° bevelled at the side with thread and thread protector</p> <p>material: plastic thread: M 10 length adjustable: 260 - 470 mm weight: 96 g</p> | P-9301-9-10A | | | | | | |

| LEGS | | Order No. | | | | | | |
|--|--|------------------|--------|---|--------|--|--------|--------------------------|
|  | <p>Tub strengthening complete series 9301-D 45° bevelled at the side individual adjustable on the tub</p> <p>material: plastic thread: M 10 length adjustable: 590 - 1010 mm</p> <table><tr><th>width adjustable</th><th>weight</th></tr><tr><td>240 - 400 mm</td><td>306 g</td></tr><tr><td>410 - 600 mm</td><td>486 g</td></tr></table> | width adjustable | weight | 240 - 400 mm | 306 g | 410 - 600 mm | 486 g | P-9301-D P-9301-E |
| width adjustable | weight | | | | | | | |
| 240 - 400 mm | 306 g | | | | | | | |
| 410 - 600 mm | 486 g | | | | | | | |
|  | <p>Tub strengthening complete for 5 legs series 9301-F 45° bevelled at the side individual adjustable on the tub</p> <p>material: plastic thread: M 10 length adjustable: 590 - 1010 mm</p> <table><tr><th>width adjustable</th><th>weight</th></tr><tr><td>240 - 400 mm</td><td>314 g</td></tr><tr><td>410 - 600 mm</td><td>474 g</td></tr></table> | width adjustable | weight | 240 - 400 mm | 314 g | 410 - 600 mm | 474 g | P-9301-F P-9301-G |
| width adjustable | weight | | | | | | | |
| 240 - 400 mm | 314 g | | | | | | | |
| 410 - 600 mm | 474 g | | | | | | | |
|  | <p>Metal leg frame work series 1681-X for 1 appliance pump or blower</p> <table><tr><th>variant</th><th>weight</th></tr><tr><td>with hexagon screws 6,3x16 mm for tub with wooden board (photo A)</td><td>2.7 kg</td></tr><tr><td>with hexagon socket screws M10x20 mm for tub with Koller-tub strengthening (photo B)</td><td>2.9 kg</td></tr></table> <p>consists of: 1 pc. tool carrier track 1200 mm 2 pcs. transverse 580 mm various assembling auxiliaries 4 pcs. leg body P-1677-10-81 4 pcs. threaded piece VZ-12010</p> | variant | weight | with hexagon screws 6,3x16 mm for tub with wooden board (photo A) | 2.7 kg | with hexagon socket screws M10x20 mm for tub with Koller-tub strengthening (photo B) | 2.9 kg | VZ-1681-A VZ-1681-B |
| variant | weight | | | | | | | |
| with hexagon screws 6,3x16 mm for tub with wooden board (photo A) | 2.7 kg | | | | | | | |
| with hexagon socket screws M10x20 mm for tub with Koller-tub strengthening (photo B) | 2.9 kg | | | | | | | |
|  | <p>Metal leg frame work series 1681-1X for 2 appliances pump and blower opposite</p> <table><tr><th>variant</th><th>weight</th></tr><tr><td>with hexagon screws 6,3x16 mm for tub with wooden board (photo A)</td><td>3.2 kg</td></tr><tr><td>with hexagon socket screws M10x20 mm for tub with Koller-tub strengthening (photo B)</td><td>3.3 kg</td></tr></table> <p>consists of: 1 pc. tool carrier track 1700 mm 2 pcs. transverse 580 mm various assembling auxiliaries 4 pcs. leg body P-1677-10-81 4 pcs. threaded piece VZ-12010</p> | variant | weight | with hexagon screws 6,3x16 mm for tub with wooden board (photo A) | 3.2 kg | with hexagon socket screws M10x20 mm for tub with Koller-tub strengthening (photo B) | 3.3 kg | VZ-1681-1A VZ-1681-1B |
| variant | weight | | | | | | | |
| with hexagon screws 6,3x16 mm for tub with wooden board (photo A) | 3.2 kg | | | | | | | |
| with hexagon socket screws M10x20 mm for tub with Koller-tub strengthening (photo B) | 3.3 kg | | | | | | | |

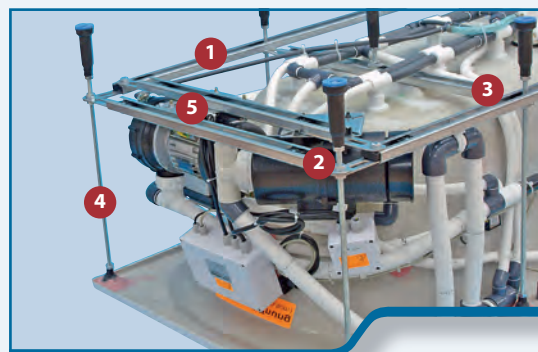
| LEGS | Order No. |
|--|-----------|
|  <p>Metal leg frame work series 1682-X for 2 appliances pump and blower at the same side</p> <p>with hexagon screws 6,3x16 mm for tub with wooden board (photo A) with hexagon socket screws M10x20 mm for tub with Koller-tub strengthening (photo B)</p> <p>variant weight VZ-1682-A 6.1 kg VZ-1682-B 6.2 kg</p> <p>consists of: 1 pc. tool carrier plate 2 pcs. tool carrier track 1200 mm 2 pcs. transverse 600 mm various assembling auxiliaries 4 pcs. leg body P-1677-10-81 4 pcs. threaded piece VZ-12010</p> | |
|  <p>Metal leg frame work series 683-X for tubs without appliances</p> <p>with hexagon screws 6,3x16 mm for tub with wooden board (photo A) with hexagon socket screws M10x20 mm for tub with Koller-tub strengthening (photo B)</p> <p>variant weight 683-A 1.6 kg 683-B 1.7 kg</p> <p>consists of: 2 pcs. transverse 580 mm various assembling auxiliaries 4 pcs. leg body P-1677-10-81 4 pcs. threaded piece VZ-12010</p> | |
|  <p>Universal metal leg frame work 693-A for tubs without appliances packaged in a carton</p> <p>weight: 1.7 kg</p> <p>consists of: 2 pcs. transverse 580 mm 4 pcs. legs P-1677-10-81 4 pcs. threaded piece VZ-12010 4 pcs. square washer P-684-10 inclusive assembling auxiliaries</p> <p>suitable for tub with wooden board</p> | 693-A |
|  <p>Mounting angle 0708 suited for tubs with and without Whirlpool system packaged in a carton</p> <p>weight: 1.9 kg</p> <p>consists of: 4 pcs. mounting angle 670 mm inclusive assembling auxiliaries</p> <p>The bath rim is supported by mounting brackets, fitted onto the wall.</p> | VZ-0708 |

Examples for application of tub framework

rectangular tub



The same framework is suitable for tubs with a length from 170 up to 190 cm and a width from 70 up to 90 cm!

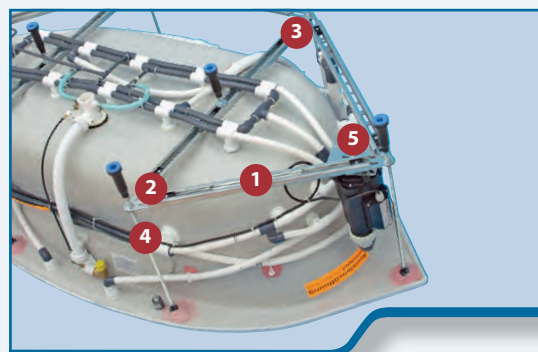


corner tub



The same framework is suitable for corner tubs from 130 up to 150 cm!

We are able to provide a complete framework for any type of tub (Whirlpool) as shown in the photos above. Kindly contact us in order to design an individual framework for your tub.



Advantages of a KOLLER tub framework:

It replaces the function of a metal leg framework. Additionally it provides support to the tub rim. With its various connections and mounting attachments it is highly suitable for the installation of panels. It is an ideal solution for Whirlpools. Easy installation of appliances by adding further c-profile support (this may be already included in the design of your individual tub framework).

- 1 c-profile**
(will be adjusted to the measurements of your tub)
- 2 angle connector**
order no. VZ-685
- 3 connection piece straight**
order no. VZ-688-240
- 4 threaded rods**
(Size and legs will be adjusted to the measurements of the tub.)
- 5 universal tool carrier**
order no. VZ-670-50

tool carrier track for rectangular tub



adjustable from approx. 58 to 92 cm

tool carrier track for corner tub



adjustable from approx. 40 to 60 cm

| LEGS | Order No. | | | | | | |
|--|-----------|--------|---|--------|--|--------|--|
| <div>  <div> <div>A</div> <div>B</div> </div> </div> <div> Tub frame for rectangular tubs series 1690-X </div> <div> suited for tubs with and without Whirlpool system </div> <div> length adjustable: 1700 - 1900 mm width adjustable: 700 - 900 mm </div> <div> <table> <thead> <tr> <th>variant</th><th>weight</th></tr> </thead> <tbody> <tr> <td>with hexagon screws 6,3x16 mm for tub with wooden board (photo A)</td><td>9 kg</td></tr> <tr> <td>with hexagon socket screws M10x20 mm for tub with Koller-tub strengthening (photo B)</td><td>9.1 kg</td></tr> </tbody> </table> </div> <div> VZ-1690-A VZ-1690-B </div> | variant | weight | with hexagon screws 6,3x16 mm for tub with wooden board (photo A) | 9 kg | with hexagon socket screws M10x20 mm for tub with Koller-tub strengthening (photo B) | 9.1 kg | |
| variant | weight | | | | | | |
| with hexagon screws 6,3x16 mm for tub with wooden board (photo A) | 9 kg | | | | | | |
| with hexagon socket screws M10x20 mm for tub with Koller-tub strengthening (photo B) | 9.1 kg | | | | | | |
| <div>  </div> <div> Tool carrier track 1690-10 </div> <div> necessary for Whirlpools for mounting of the appliances </div> <div> length adjustable: 630 - 900 mm weight: 900 g </div> <div> VZ-1690-10 </div> | | | | | | | |
| <div>  <div> <div>A</div> <div>B</div> </div> </div> <div> Tub frame for corner tubs series 1691-X </div> <div> suited for tubs with and without Whirlpool system </div> <div> side length adjustable from 1300 - 1500 mm </div> <div> <table> <thead> <tr> <th>variant</th><th>weight</th></tr> </thead> <tbody> <tr> <td>with hexagon screws 6,3x16 mm for tub with wooden board (photo A)</td><td>9.4 kg</td></tr> <tr> <td>with hexagon socket screws M10x20 mm for tub with Koller-tub strengthening (photo B)</td><td>9.5 kg</td></tr> </tbody> </table> </div> <div> VZ-1691-A VZ-1691-B </div> | variant | weight | with hexagon screws 6,3x16 mm for tub with wooden board (photo A) | 9.4 kg | with hexagon socket screws M10x20 mm for tub with Koller-tub strengthening (photo B) | 9.5 kg | |
| variant | weight | | | | | | |
| with hexagon screws 6,3x16 mm for tub with wooden board (photo A) | 9.4 kg | | | | | | |
| with hexagon socket screws M10x20 mm for tub with Koller-tub strengthening (photo B) | 9.5 kg | | | | | | |
| <div>  </div> <div> Tool carrier track 1691-10 </div> <div> necessary for Whirlpools for mounting of the appliances </div> <div> length adjustable: 450 - 620 mm weight: 605 g </div> <div> VZ-1691-10 </div> | | | | | | | |

EASY TUB FRAMEWORK

rectangular tub



corner tub



We are able to provide a complete framework for any type of tub (Whirlpool) as shown on the photos above. Kindly contact us in order to design an individual tub framework for your tub.

Advantages of a KOLLER tub framework:

It replaces the function of a metal leg framework. Additionally it provides support to the tub rim. It is an ideal solution for Whirlpools. Easy installation of appliances.

mounting example pump + blower



advantages



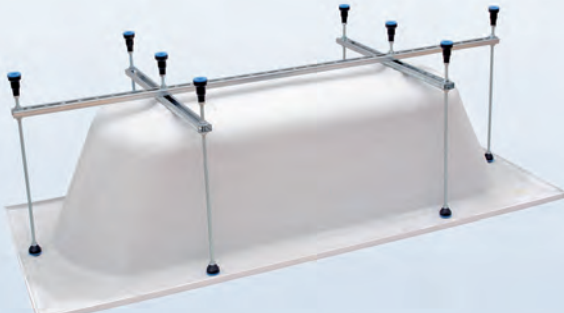








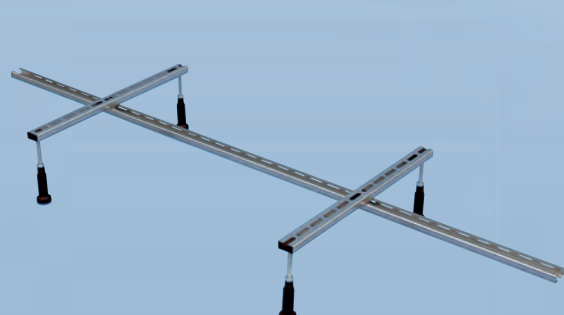


simple construction

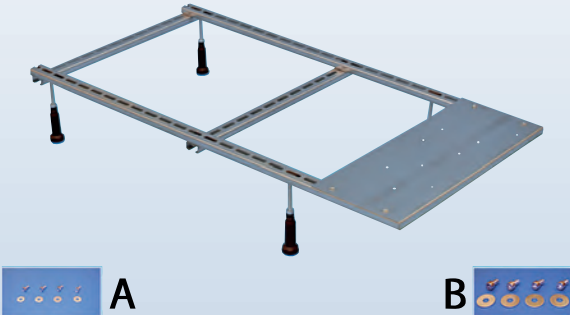

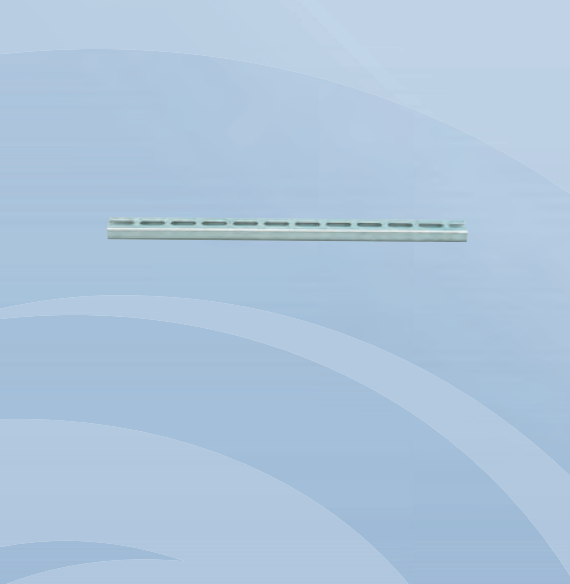
quick installation time

metal leg frame work + tub rim support

easy installation of appliances

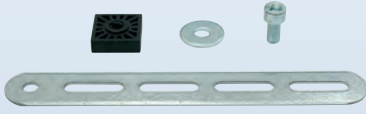
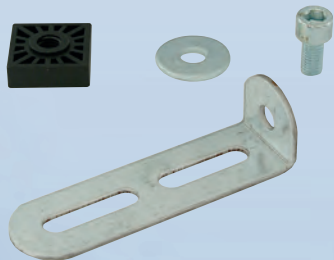
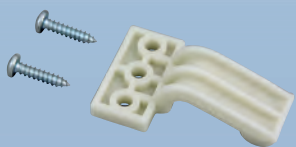


| LEGS | | Order No. | | | | | | | | | |
|--|--------|--|---------|--------|--|---|--------|--------------|--|--------|--------------|
| <div></div> <div><div> A</div><div> B</div></div> | | <p>Easy tub frame for rectangular tubs series 1694-X suited for tubs with and without Whirlpool system</p> <p>price example: tub 1800 x 800 mm</p> <table><thead><tr><th>variant</th><th>weight</th><th></th></tr></thead><tbody><tr><td>with hexagon screws 6,3x16 mm for tub with wooden board (photo A)</td><td>5.4 kg</td><td>VZ-1694-A</td></tr><tr><td>with hexagon socket screws M10x20 mm for tub with Koller-tub strengthening (photo B)</td><td>5.5 kg</td><td>VZ-1694-B</td></tr></tbody></table> <p>Length and width will be special designed for your tub.</p> | variant | weight | | with hexagon screws 6,3x16 mm for tub with wooden board (photo A) | 5.4 kg | VZ-1694-A | with hexagon socket screws M10x20 mm for tub with Koller-tub strengthening (photo B) | 5.5 kg | VZ-1694-B |
| variant | weight | | | | | | | | | | |
| with hexagon screws 6,3x16 mm for tub with wooden board (photo A) | 5.4 kg | VZ-1694-A | | | | | | | | | |
| with hexagon socket screws M10x20 mm for tub with Koller-tub strengthening (photo B) | 5.5 kg | VZ-1694-B | | | | | | | | | |
| <div></div> <div><div> A</div><div> B</div></div> | | <p>Easy tub frame for corner tubs series 1695-X suited for tubs with and without Whirlpool system</p> <p>price example: tub 1400 x 1400 mm</p> <table><thead><tr><th>variant</th><th>weight</th><th></th></tr></thead><tbody><tr><td>with hexagon screws 6,3x16 mm for tub with wooden board (photo A)</td><td>6.5 kg</td><td>VZ-1695-A</td></tr><tr><td>with hexagon socket screws M10x20 mm for tub with Koller-tub strengthening (photo B)</td><td>6.6 kg</td><td>VZ-1695-B</td></tr></tbody></table> <p>Side length will be special designed for your tub.</p> | variant | weight | | with hexagon screws 6,3x16 mm for tub with wooden board (photo A) | 6.5 kg | VZ-1695-A | with hexagon socket screws M10x20 mm for tub with Koller-tub strengthening (photo B) | 6.6 kg | VZ-1695-B |
| variant | weight | | | | | | | | | | |
| with hexagon screws 6,3x16 mm for tub with wooden board (photo A) | 6.5 kg | VZ-1695-A | | | | | | | | | |
| with hexagon socket screws M10x20 mm for tub with Koller-tub strengthening (photo B) | 6.6 kg | VZ-1695-B | | | | | | | | | |
| <div></div> <div><div> A</div><div> B</div></div> | | <p>Metal leg frame work pre-assembled series 1681-X10 for 1 appliance pump or blower</p> <p>made of kit VZ-1681-X</p> <table><thead><tr><th>variant</th><th>weight</th><th></th></tr></thead><tbody><tr><td>with hexagon screws 6,3x16 mm for tub with wooden board (photo A)</td><td>3 kg</td><td>VZ-1681-A10</td></tr><tr><td>with hexagon socket screws M10x20 mm for tub with Koller-tub strengthening (photo B)</td><td>3.1 kg</td><td>VZ-1681-B10</td></tr></tbody></table> | variant | weight | | with hexagon screws 6,3x16 mm for tub with wooden board (photo A) | 3 kg | VZ-1681-A10 | with hexagon socket screws M10x20 mm for tub with Koller-tub strengthening (photo B) | 3.1 kg | VZ-1681-B10 |
| variant | weight | | | | | | | | | | |
| with hexagon screws 6,3x16 mm for tub with wooden board (photo A) | 3 kg | VZ-1681-A10 | | | | | | | | | |
| with hexagon socket screws M10x20 mm for tub with Koller-tub strengthening (photo B) | 3.1 kg | VZ-1681-B10 | | | | | | | | | |
| <div></div> <div><div> A</div><div> B</div></div> | | <p>Metal leg frame work pre-assembled series 1681-1X10 for 2 appliances pump and blower opposite</p> <p>made of kit VZ-1681-1X</p> <table><thead><tr><th>variant</th><th>weight</th><th></th></tr></thead><tbody><tr><td>with hexagon screws 6,3x16 mm for tub with wooden board (photo A)</td><td>3.5 kg</td><td>VZ-1681-1A10</td></tr><tr><td>with hexagon socket screws M10x20 mm for tub with Koller-tub strengthening (photo B)</td><td>3.6 kg</td><td>VZ-1681-1B10</td></tr></tbody></table> | variant | weight | | with hexagon screws 6,3x16 mm for tub with wooden board (photo A) | 3.5 kg | VZ-1681-1A10 | with hexagon socket screws M10x20 mm for tub with Koller-tub strengthening (photo B) | 3.6 kg | VZ-1681-1B10 |
| variant | weight | | | | | | | | | | |
| with hexagon screws 6,3x16 mm for tub with wooden board (photo A) | 3.5 kg | VZ-1681-1A10 | | | | | | | | | |
| with hexagon socket screws M10x20 mm for tub with Koller-tub strengthening (photo B) | 3.6 kg | VZ-1681-1B10 | | | | | | | | | |

| LEGS | | Order No. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|-----------|--------|---|--------|--|--------|------------------------------------|-------|--------|-------|--------|-------|---------|-------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|--|
|  | <p>Metal leg frame work pre-assembled series 1682-X10 for 2 appliances pump and blower at the same side made of kit VZ-1682-X</p> <table><tr><th>variant</th><th>weight</th></tr><tr><td>with hexagon screws 6,3x16 mm for tub with wooden board (photo A)</td><td>6.1 kg</td></tr><tr><td>with hexagon socket screws M10x20 mm for tub with Koller-tub strengthening (photo B)</td><td>6.2 kg</td></tr></table> | variant | weight | with hexagon screws 6,3x16 mm for tub with wooden board (photo A) | 6.1 kg | with hexagon socket screws M10x20 mm for tub with Koller-tub strengthening (photo B) | 6.2 kg | <p>VZ-1682-A10 VZ-1682-B10</p> | | | | | | | | | | | | | | | | | | | | | | |
| variant | weight | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| with hexagon screws 6,3x16 mm for tub with wooden board (photo A) | 6.1 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| with hexagon socket screws M10x20 mm for tub with Koller-tub strengthening (photo B) | 6.2 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | <p>Metal leg frame work pre-assembled series 1683-X10 for tubs without appliances made of kit 683-X</p> <table><tr><th>variant</th><th>weight</th></tr><tr><td>with hexagon screws 6,3x16 mm for tub with wooden board (photo A)</td><td>1.7 kg</td></tr><tr><td>with hexagon socket screws M10x20 mm for tub with Koller-tub strengthening (photo B)</td><td>1.8 kg</td></tr></table> | variant | weight | with hexagon screws 6,3x16 mm for tub with wooden board (photo A) | 1.7 kg | with hexagon socket screws M10x20 mm for tub with Koller-tub strengthening (photo B) | 1.8 kg | <p>VZ-1683-A10 VZ-1683-B10</p> | | | | | | | | | | | | | | | | | | | | | | |
| variant | weight | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| with hexagon screws 6,3x16 mm for tub with wooden board (photo A) | 1.7 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| with hexagon socket screws M10x20 mm for tub with Koller-tub strengthening (photo B) | 1.8 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | <p>C-profile series CPR250 material: steel galvanized width: 40 mm height: 20 mm</p> <table><tr><th>length</th><th>weight</th></tr><tr><td>250 mm</td><td>223 g</td></tr><tr><td>400 mm</td><td>358 g</td></tr><tr><td>580 mm</td><td>517 g</td></tr><tr><td>600 mm</td><td>533 g</td></tr><tr><td>700 mm</td><td>613 g</td></tr><tr><td>1000 mm</td><td>875 g</td></tr><tr><td>1200 mm</td><td>1066 g</td></tr><tr><td>1300 mm</td><td>1160 g</td></tr><tr><td>1400 mm</td><td>1225 g</td></tr><tr><td>1500 mm</td><td>1313 g</td></tr><tr><td>1700 mm</td><td>1522 g</td></tr><tr><td>1900 mm</td><td>1663 g</td></tr><tr><td>2000 mm</td><td>1778 g</td></tr></table> | length | weight | 250 mm | 223 g | 400 mm | 358 g | 580 mm | 517 g | 600 mm | 533 g | 700 mm | 613 g | 1000 mm | 875 g | 1200 mm | 1066 g | 1300 mm | 1160 g | 1400 mm | 1225 g | 1500 mm | 1313 g | 1700 mm | 1522 g | 1900 mm | 1663 g | 2000 mm | 1778 g | <p>VZ-CPR250 VZ-CPR400 VZ-CPR580 VZ-CPR600 VZ-CPR700 VZ-CPR1000 VZ-CPR1200 VZ-CPR1300 VZ-CPR1400 VZ-CPR1500 VZ-CPR1700 VZ-CPR1900 VZ-CPR2000</p> |
| length | weight | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 250 mm | 223 g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 400 mm | 358 g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 580 mm | 517 g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 600 mm | 533 g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 700 mm | 613 g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1000 mm | 875 g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1200 mm | 1066 g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1300 mm | 1160 g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1400 mm | 1225 g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1500 mm | 1313 g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1700 mm | 1522 g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1900 mm | 1663 g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2000 mm | 1778 g | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| LEGS | | Order No. | | | | | | |
|---|---|------------|--------|------------------------------|------|----------------------------|------|---------------------------|
|  | <p>Lamellar stopper 860-3</p> <p>material: plastic width: 40 mm height: 20 mm weight: 5 g</p> <p>suitable as end stopper at the tool carrier tracks and the transverses</p> | 860-3 | | | | | | |
|  | <p>Screw 69121020</p> <p>hexagon socket: 8 mm</p> <p>material: steel galvanized thread: M 10 length: 20 mm</p> <table><thead><tr><th>variant</th><th>weight</th></tr></thead><tbody><tr><td>head low with partial thread</td><td>22 g</td></tr><tr><td>head high with full thread</td><td>18 g</td></tr></tbody></table> | variant | weight | head low with partial thread | 22 g | head high with full thread | 18 g | VZ-69121020 VZ-9121020 |
| variant | weight | | | | | | | |
| head low with partial thread | 22 g | | | | | | | |
| head high with full thread | 18 g | | | | | | | |
|  | <p>Washer 4401133</p> <p>material: steel galvanized suitable for: thread M 10 hole Ø: 11 mm weight: 17 g</p> | VZ-4401133 | | | | | | |
|  | <p>Rubber mat NBR-601250</p> <p>material: NBR 60 outside Ø: 50 mm hole Ø: 12 mm weight: 11 g</p> | NBR-601250 | | | | | | |
|  | <p>Square washer series 1685-XX</p> <p>material: plastic glass fibre reinforced</p> <table><thead><tr><th>thread</th><th>weight</th></tr></thead><tbody><tr><td>M 10</td><td>7 g</td></tr><tr><td>M 12</td><td>6 g</td></tr></tbody></table> <p>suitable for retrofitting in the c-profile</p> | thread | weight | M 10 | 7 g | M 12 | 6 g | P-1685-10 P-1685-12 |
| thread | weight | | | | | | | |
| M 10 | 7 g | | | | | | | |
| M 12 | 6 g | | | | | | | |

| LEGS | Order No. | | | | | | |
|--|---------------|--------|------|------|------------------|------|--------------------------------|
|  <p>Square washer for fixing series 1684-XX material: plastic glass fibre reinforced</p> <table> <thead> <tr> <th>thread</th><th>weight</th></tr> </thead> <tbody> <tr> <td>M 10</td><td>9 g</td></tr> <tr> <td>M 12</td><td>8 g</td></tr> </tbody> </table> <p>suitable for retrofitting in the c-profile</p> | thread | weight | M 10 | 9 g | M 12 | 8 g | <p>P-1684-10 P-1684-12</p> |
| thread | weight | | | | | | |
| M 10 | 9 g | | | | | | |
| M 12 | 8 g | | | | | | |
|  <p>Square washer series 685-XX material: plastic glass fibre reinforced</p> <table> <thead> <tr> <th>thread</th><th>weight</th></tr> </thead> <tbody> <tr> <td>M 10</td><td>14 g</td></tr> <tr> <td>M 12</td><td>14 g</td></tr> </tbody> </table> | thread | weight | M 10 | 14 g | M 12 | 14 g | <p>P-685-10 P-685-12</p> |
| thread | weight | | | | | | |
| M 10 | 14 g | | | | | | |
| M 12 | 14 g | | | | | | |
|  <p>Square washer for fixing series 684-XX material: plastic glass fibre reinforced</p> <table> <thead> <tr> <th>thread</th><th>weight</th></tr> </thead> <tbody> <tr> <td>M 10</td><td>18 g</td></tr> <tr> <td>M 12</td><td>18 g</td></tr> </tbody> </table> | thread | weight | M 10 | 18 g | M 12 | 18 g | <p>P-684-10 P-684-12</p> |
| thread | weight | | | | | | |
| M 10 | 18 g | | | | | | |
| M 12 | 18 g | | | | | | |
|  <p>Square washer 680-10 material: steel galvanized</p> <table> <thead> <tr> <th>thread</th><th>weight</th></tr> </thead> <tbody> <tr> <td>M 10</td><td>20 g</td></tr> </tbody> </table> | thread | weight | M 10 | 20 g | <p>VZ-680-10</p> | | |
| thread | weight | | | | | | |
| M 10 | 20 g | | | | | | |
|  <p>Angle joint for c-profile 685 with assembling auxiliaries</p> <p>material: steel galvanized / plastic suitable for: thread M 10 overall length: 240 mm hole Ø: 10.5 mm long hole: 10,5 x 40 mm weight: 480 g</p> | <p>VZ-685</p> | | | | | | |

| LEGS | Order No. | | | | | | |
|---|-----------------|--------|--------|-------|--------|-------|----------------------------------|
|  <p>Connection piece for c-profile series 688-XXX with assembling auxiliaries</p> <p>material: steel galvanized / plastic suitable for: thread M 10 hole Ø: 10.5 mm long hole: 10,5 x 40 mm</p> <table border="1"> <thead> <tr> <th>overall length</th><th>weight</th></tr> </thead> <tbody> <tr> <td>140 mm</td><td>130 g</td></tr> <tr> <td>240 mm</td><td>200 g</td></tr> </tbody> </table> | overall length | weight | 140 mm | 130 g | 240 mm | 200 g | <p>VZ-688-140 VZ-688-240</p> |
| overall length | weight | | | | | | |
| 140 mm | 130 g | | | | | | |
| 240 mm | 200 g | | | | | | |
|  <p>Magnet holder 687 with assembling auxiliaries</p> <p>suited for mounting of tub panel holder or snap magnet</p> <p>material: steel galvanized / plastic overall length: 110 mm hole Ø: 10.5 mm long hole: 10,5 x 40 mm weight: 130 g</p> | <p>VZ-687</p> | | | | | | |
|  <p>Panel fastening 689-50 suited for mounting of tub panels, by a metal plate with glue and mounting carrier</p> <p>material: plastic / metal overall length: 131 mm long hole: 12 x 100 mm weight: 81 g</p> <p>consists of: plate galvanized with glue mounting carrier with magnet 2 pcs. snap nuts M10</p> | <p>P-689-50</p> | | | | | | |
|  <p>Clamp strap 689-51 with assembling auxiliaries</p> <p>material: plastic glass fibre reinforced weight: 9 g</p> <p>consists of: clamp strap (P-689-4) 2 pcs. screw 3,5x16 mm</p> | <p>P-689-51</p> | | | | | | |

| LEGS | Order No. | | | | | | | | | | | | |
|--|-------------|--------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--|
|  <p>Universal tool carrier 670-50 with assembling auxiliaries</p> <p>material: steel galvanized / plastic length: 139 mm width: 139 mm weight: 240 g</p> <p>suitable for: all blowers and all jet pumps</p> | VZ-670-50 | | | | | | | | | | | | |
|  <p>Mounting plate for quick fix vario 670-52</p> <p>material: steel galvanized length: 114 mm width: 120 mm weight: 109 g</p> <p>suitable for: jet pumps: 1711-XXX, 1712-XXX, 1713-XXX, 2611-XXX, 2612-XXX, 3611-XXX, 3612-XXX, 4611-XXX, 4612-XXX</p> | VZ-670-52 | | | | | | | | | | | | |
|  <p>Assembling auxiliaries for quick fix vario 670-52-1</p> <p>material: steel galvanized weight: 30 g</p> | VZ-670-52-1 | | | | | | | | | | | | |
|  <p>Quick fix vario series 26111X quick fix pump support</p> <table> <thead> <tr> <th>height</th><th>weight</th></tr> </thead> <tbody> <tr> <td>100 mm</td><td>228 g</td></tr> <tr> <td>110 mm</td><td>237 g</td></tr> <tr> <td>120 mm</td><td>242 g</td></tr> <tr> <td>130 mm</td><td>247 g</td></tr> <tr> <td>140 mm</td><td>257 g</td></tr> </tbody> </table> <p>suitable for: jet pumps: 1711-XXX, 1712-XXX, 1713-XXX, 2611-XXX, 2612-XXX, 3611-XXX, 3612-XXX, 4611-XXX, 4612-XXX</p> | height | weight | 100 mm | 228 g | 110 mm | 237 g | 120 mm | 242 g | 130 mm | 247 g | 140 mm | 257 g | P-261110 P-261111 P-261112 P-261113 P-261114 |
| height | weight | | | | | | | | | | | | |
| 100 mm | 228 g | | | | | | | | | | | | |
| 110 mm | 237 g | | | | | | | | | | | | |
| 120 mm | 242 g | | | | | | | | | | | | |
| 130 mm | 247 g | | | | | | | | | | | | |
| 140 mm | 257 g | | | | | | | | | | | | |

HEATING

6



Features - Heating

- Various power classes from 0,5 - 12 kW
- Compact versions
- Models with plastic- or brass housings
- Various housing designs – L- or straight version
- Connection threads equal to jet pump and blower
- ÖVE certified



| HEATING | | | | | Order No. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--------|---|--------|--|--------------|--------|----------------|--------|-----------|------|--------|--------|-----------|--------|--------|--------|-----------|------|--------|--------|-----------|------|--------|--------|--|------|--------|--------|-----------|------|--------|--------|-----------|-------|--------|--------|--|
| <div>WILL BE DISCONTINUED</div> <div></div> | | <div>Heating with safety thermostat series 1850-X</div> <div>brass housing varnished</div> <div>cable length: 1 m with wire end ferrules</div> <div>system of protection: IP 55</div> <table><tr><th>line voltage</th><th>output</th><th>overall length</th><th>weight</th></tr><tr><td>230V 50Hz</td><td>1 kW</td><td>190 mm</td><td>1.5 kg</td></tr><tr><td>230V 50Hz</td><td>1.5 kW</td><td>190 mm</td><td>1.5 kg</td></tr><tr><td>230V 50Hz</td><td>2 kW</td><td>190 mm</td><td>1.6 kg</td></tr><tr><td>230V 50Hz</td><td>3 kW</td><td>240 mm</td><td>1.8 kg</td></tr></table> <div>inclusive: 2 unions Ø 50 mm (858)</div> <div>CE</div> | | | line voltage | output | overall length | weight | 230V 50Hz | 1 kW | 190 mm | 1.5 kg | 230V 50Hz | 1.5 kW | 190 mm | 1.5 kg | 230V 50Hz | 2 kW | 190 mm | 1.6 kg | 230V 50Hz | 3 kW | 240 mm | 1.8 kg | 1850-1 1850-1.5 1850-2 1850-3 | | | | | | | | | | | | |
| line voltage | output | overall length | weight | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 230V 50Hz | 1 kW | 190 mm | 1.5 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 230V 50Hz | 1.5 kW | 190 mm | 1.5 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 230V 50Hz | 2 kW | 190 mm | 1.6 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 230V 50Hz | 3 kW | 240 mm | 1.8 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div>WILL BE DISCONTINUED</div> <div></div> | | <div>Heating with safety and adjustable thermostat series 1850-X-856-1</div> <div>brass housing varnished</div> <div>cable length: 1 m with wire end ferrules</div> <div>system of protection: IP 55</div> <table><tr><th>line voltage</th><th>output</th><th>overall length</th><th>weight</th></tr><tr><td>230V 50Hz</td><td>1 kW</td><td>190 mm</td><td>1.5 kg</td></tr><tr><td>230V 50Hz</td><td>1.5 kW</td><td>190 mm</td><td>1.5 kg</td></tr><tr><td>230V 50Hz</td><td>2 kW</td><td>190 mm</td><td>1.6 kg</td></tr><tr><td>230V 50Hz</td><td>3 kW</td><td>240 mm</td><td>1.8 kg</td></tr></table> <div>inclusive: 2 unions Ø 50 mm (858)</div> <div>CE</div> | | | line voltage | output | overall length | weight | 230V 50Hz | 1 kW | 190 mm | 1.5 kg | 230V 50Hz | 1.5 kW | 190 mm | 1.5 kg | 230V 50Hz | 2 kW | 190 mm | 1.6 kg | 230V 50Hz | 3 kW | 240 mm | 1.8 kg | 1850-1-856-1 1850-1.5-856-1 1850-2-856-1 1850-3-856-1 | | | | | | | | | | | | |
| line voltage | output | overall length | weight | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 230V 50Hz | 1 kW | 190 mm | 1.5 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 230V 50Hz | 1.5 kW | 190 mm | 1.5 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 230V 50Hz | 2 kW | 190 mm | 1.6 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 230V 50Hz | 3 kW | 240 mm | 1.8 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div>WILL BE DISCONTINUED</div> <div></div> | | <div>Heating with safety thermostat series 852-X</div> <div>brass housing varnished</div> <div>cable length: 1 m with wire end ferrules</div> <div>system of protection: IP 55</div> <table><tr><th>line voltage</th><th>output</th><th>overall length</th><th>weight</th></tr><tr><td>230V 50Hz</td><td>1 kW</td><td>280 mm</td><td>2.1 kg</td></tr><tr><td>230V 50Hz</td><td>1.5 kW</td><td>280 mm</td><td>2.1 kg</td></tr><tr><td>230V 50Hz</td><td>2 kW</td><td>280 mm</td><td>2.2 kg</td></tr><tr><td>230V 50Hz</td><td>3 kW</td><td>380 mm</td><td>2.4 kg</td></tr><tr><td>400V 50Hz</td><td>6 kW</td><td>430 mm</td><td>2.8 kg</td></tr><tr><td>400V 50Hz</td><td>9 kW</td><td>520 mm</td><td>3.2 kg</td></tr><tr><td>400V 50Hz</td><td>12 kW</td><td>630 mm</td><td>3.6 kg</td></tr></table> <div>inclusive: 2 unions Ø 50 mm (858)</div> <div>CE</div> | | | line voltage | output | overall length | weight | 230V 50Hz | 1 kW | 280 mm | 2.1 kg | 230V 50Hz | 1.5 kW | 280 mm | 2.1 kg | 230V 50Hz | 2 kW | 280 mm | 2.2 kg | 230V 50Hz | 3 kW | 380 mm | 2.4 kg | 400V 50Hz | 6 kW | 430 mm | 2.8 kg | 400V 50Hz | 9 kW | 520 mm | 3.2 kg | 400V 50Hz | 12 kW | 630 mm | 3.6 kg | 852-1 852-1.5 852-2 852-3 852-6 852-9 852-12 |
| line voltage | output | overall length | weight | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 230V 50Hz | 1 kW | 280 mm | 2.1 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 230V 50Hz | 1.5 kW | 280 mm | 2.1 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 230V 50Hz | 2 kW | 280 mm | 2.2 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 230V 50Hz | 3 kW | 380 mm | 2.4 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 400V 50Hz | 6 kW | 430 mm | 2.8 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 400V 50Hz | 9 kW | 520 mm | 3.2 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 400V 50Hz | 12 kW | 630 mm | 3.6 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| HEATING | | Order No. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|------------------|----------------|----------------|--------|-----------|--------|--------|--------|-----------|--------|--------|--------|-----------|------|--------|--------|-----------|------|--------|--------|---|------|--------|--------|-----------|------|--------|--------|-----------|-------|--------|--------|---|
| <div>WILL BE DISCONTINUED</div> <div></div> | <div>Heating with safety and adjustable thermostat series 852-X-856-1</div> <div>brass housing varnished</div> <div>cable length: 1 m with wire end ferrules</div> <div>system of protection: IP 55</div> <table><tr><th>line voltage</th><th>output</th><th>overall length</th><th>weight</th></tr><tr><td>230V 50Hz</td><td>1 kW</td><td>280 mm</td><td>2.1 kg</td></tr><tr><td>230V 50Hz</td><td>1.5 kW</td><td>280 mm</td><td>2.1 kg</td></tr><tr><td>230V 50Hz</td><td>2 kW</td><td>280 mm</td><td>2.2 kg</td></tr><tr><td>230V 50Hz</td><td>3 kW</td><td>380 mm</td><td>2.4 kg</td></tr><tr><td>400V 50Hz</td><td>6 kW</td><td>430 mm</td><td>2.8 kg</td></tr><tr><td>400V 50Hz</td><td>9 kW</td><td>520 mm</td><td>3.2 kg</td></tr><tr><td>400V 50Hz</td><td>12 kW</td><td>630 mm</td><td>3.6 kg</td></tr></table> <div>inclusive: 2 unions Ø 50 mm (858)</div> <div>CE</div> | line voltage | output | overall length | weight | 230V 50Hz | 1 kW | 280 mm | 2.1 kg | 230V 50Hz | 1.5 kW | 280 mm | 2.1 kg | 230V 50Hz | 2 kW | 280 mm | 2.2 kg | 230V 50Hz | 3 kW | 380 mm | 2.4 kg | 400V 50Hz | 6 kW | 430 mm | 2.8 kg | 400V 50Hz | 9 kW | 520 mm | 3.2 kg | 400V 50Hz | 12 kW | 630 mm | 3.6 kg | <div>852-1-856-1</div> <div>852-1.5-856-1</div> <div>852-2-856-1</div> <div>852-3-856-1</div> <div>852-6-856-1</div> <div>852-9-856-1</div> <div>852-12-856-1</div> |
| | line voltage | output | overall length | weight | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 230V 50Hz | 1 kW | 280 mm | 2.1 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 230V 50Hz | 1.5 kW | 280 mm | 2.1 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 230V 50Hz | 2 kW | 280 mm | 2.2 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 230V 50Hz | 3 kW | 380 mm | 2.4 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 400V 50Hz | 6 kW | 430 mm | 2.8 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 400V 50Hz | 9 kW | 520 mm | 3.2 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 400V 50Hz | 12 kW | 630 mm | 3.6 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div>WILL BE DISCONTINUED</div> <div></div> | <div>Pressure control device 856-2</div> <div>contact AgCdO: 250V/AC 6A</div> <div>thread: M10x1</div> <div>membrane: NBR</div> <div>switching point: 1000 mm WS</div> <div>reset point: 600 mm WS</div> <div>overpressure proof: up to 4 bar</div> <div>weight: 67 g</div> | <div>856-2</div> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div></div> | <div>Heating for spa tubs with safety thermostat 230-5171A</div> <div>stainless housing</div> <div>cable length: 2 m with wire end ferrules</div> <div>system of protection: IP 55</div> <table><tr><th>line voltage</th><th>output</th><th>overall length</th><th>weight</th></tr><tr><td>230V 50Hz</td><td>1.5 kW</td><td>345 mm</td><td>1.6 kg</td></tr><tr><td>230V 50Hz</td><td>3 kW</td><td>460 mm</td><td>2.1 kg</td></tr><tr><td>400V 50Hz</td><td>3 kW</td><td>460 mm</td><td>2.1 kg</td></tr><tr><td>400V 50Hz</td><td>6 kW</td><td>530 mm</td><td>2.3 kg</td></tr></table> <div>inclusive: 2 unions Ø 50 mm</div> <div>CE</div> | line voltage | output | overall length | weight | 230V 50Hz | 1.5 kW | 345 mm | 1.6 kg | 230V 50Hz | 3 kW | 460 mm | 2.1 kg | 400V 50Hz | 3 kW | 460 mm | 2.1 kg | 400V 50Hz | 6 kW | 530 mm | 2.3 kg | <div>230-5171A</div> <div>230-5172A</div> <div>400-5173A</div> <div>400-5174A</div> | | | | | | | | | | | | |
| line voltage | output | overall length | weight | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 230V 50Hz | 1.5 kW | 345 mm | 1.6 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 230V 50Hz | 3 kW | 460 mm | 2.1 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 400V 50Hz | 3 kW | 460 mm | 2.1 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 400V 50Hz | 6 kW | 530 mm | 2.3 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div></div> | <div>Pressure control device adjustable 856-3</div> <div>usage only when connected with spa heating</div> <div>contact AgCdO: 250V/AC 6A</div> <div>thread: M10x1</div> <div>membrane: NBR</div> <div>switching point: 1000 - 5000 mm WS</div> <div>reset point: 950 - 4950 mm WS</div> <div>overpressure proof: up to 4 bar</div> <div>weight: 75 g</div> | <div>856-3</div> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

HEATING

Order No.

Heating straight type series 950-XX

plastic housing

cable length: 2 m with wire end ferrules
 system of protection: IP X5
 line voltage: 220 - 240V 50/60Hz
 overall length: 217 mm (without unions)

| total power | variant | weight | |
|---------------|---|--------|----------|
| 450 - 550 W | safety and adjustable thermostat, flow switch | 1.1 kg | 950-0.5A |
| 450 - 550 W | safety thermostat | 1 kg | 950-0.5B |
| 450 - 550 W | safety and adjustable thermostat | 1.1 kg | 950-0.5C |
| 450 - 550 W | safety thermostat and flow switch | 1.1 kg | 950-0.5D |
| 900 - 1100 W | safety and adjustable thermostat, flow switch | 1.1 kg | 950-1A |
| 900 - 1100 W | safety thermostat | 1 kg | 950-1B |
| 900 - 1100 W | safety and adjustable thermostat | 1.1 kg | 950-1C |
| 900 - 1100 W | safety thermostat and flow switch | 1.1 kg | 950-1D |
| 1300 - 1600 W | safety and adjustable thermostat, flow switch | 1.1 kg | 950-1.5A |
| 1300 - 1600 W | safety thermostat | 1 kg | 950-1.5B |
| 1300 - 1600 W | safety and adjustable thermostat | 1.1 kg | 950-1.5C |
| 1300 - 1600 W | safety thermostat and flow switch | 1.1 kg | 950-1.5D |
| 1700 - 2100 W | safety and adjustable thermostat, flow switch | 1.1 kg | 950-2A |
| 1700 - 2100 W | safety thermostat | 1 kg | 950-2B |
| 1700 - 2100 W | safety and adjustable thermostat | 1.1 kg | 950-2C |
| 1700 - 2100 W | safety thermostat and flow switch | 1.1 kg | 950-2D |

inclusive:

2 unions Ø 50 mm (858)

The universal voltage range of 220 – 240 V requires the indication of the corresponding power range.



Main Catalogue system components for whirlpool tubs
 Technical specifications and printing errors are subject to change
 without prior notification. EN2122 © Copyright reserved.

HEATING
Order No.
Heating straight type series 953-XX

plastic housing

cable length: 2 m with wire end ferrules (supply)
2 m with wire end ferrules (control line)
system of protection: IP X5
line voltage: 220 - 240V 50/60Hz
overall length: 217 mm (without unions)

| total power | variant | weight | |
|---------------|---|--------|----------|
| 450 - 550 W | safety and adjustable thermostat, flow switch | 1.3 kg | 953-0.5E |
| 450 - 550 W | safety thermostat | 1.2 kg | 953-0.5F |
| 450 - 550 W | safety and adjustable thermostat | 1.3 kg | 953-0.5G |
| 450 - 550 W | safety thermostat and flow switch | 1.3 kg | 953-0.5H |
| 900 - 1100 W | safety and adjustable thermostat, flow switch | 1.3 kg | 953-1E |
| 900 - 1100 W | safety thermostat | 1.2 kg | 953-1F |
| 900 - 1100 W | safety and adjustable thermostat | 1.3 kg | 953-1G |
| 900 - 1100 W | safety thermostat and flow switch | 1.3 kg | 953-1H |
| 1300 - 1600 W | safety and adjustable thermostat, flow switch | 1.3 kg | 953-1.5E |
| 1300 - 1600 W | safety thermostat | 1.2 kg | 953-1.5F |
| 1300 - 1600 W | safety and adjustable thermostat | 1.3 kg | 953-1.5G |
| 1300 - 1600 W | safety thermostat and flow switch | 1.3 kg | 953-1.5H |
| 1700 - 2100 W | safety and adjustable thermostat, flow switch | 1.3 kg | 953-2E |
| 1700 - 2100 W | safety thermostat | 1.2 kg | 953-2F |
| 1700 - 2100 W | safety and adjustable thermostat | 1.3 kg | 953-2G |
| 1700 - 2100 W | safety thermostat and flow switch | 1.3 kg | 953-2H |

inclusive:

2 unions Ø 50 mm (858)

The universal voltage range of 220 – 240 V requires the indication of the corresponding power range.

Explanation: type with control line

The only task of the types with a control line is to serve the control panel used for activating the heater. The power supply can take place on a different circuit. Therefore the control line will not be stressed in addition with the performance of the heating.



| HEATING | Order No. | | | | | | | | |
|--|---------------|--------|-------|------|-------|------|-------|------|------------------------------------|
|  <p>Union series 858 thread: S 62 x 3 mm</p> <table border="1"> <thead> <tr> <th>Ø</th><th>weight</th></tr> </thead> <tbody> <tr> <td>32 mm</td><td>75 g</td></tr> <tr> <td>40 mm</td><td>78 g</td></tr> <tr> <td>50 mm</td><td>74 g</td></tr> </tbody> </table> <p>suitable for: all jet pumps, heatings</p> | Ø | weight | 32 mm | 75 g | 40 mm | 78 g | 50 mm | 74 g | <p>P-858-32 858-40 858</p> |
| Ø | weight | | | | | | | | |
| 32 mm | 75 g | | | | | | | | |
| 40 mm | 78 g | | | | | | | | |
| 50 mm | 74 g | | | | | | | | |
|  <p>Double union 25181 thread: S 62 x 3 mm weight: 121 g</p> <p>Functional description: e.g. suitable for connecting two heaters, pump with heater, ...</p> <p>suitable for: all jet pumps, heatings</p> | <p>P-5181</p> | | | | | | | | |
|  <p>Double union 90° 5182 thread: S 62 x 3 mm weight: 204 g</p> <p>Functional description: e.g. suitable for connecting two heaters, pump with heater, ...</p> <p>suitable for: all jet pumps, heatings</p> | <p>P-5182</p> | | | | | | | | |
|  <p>Double union 45° 5183 thread: S 62 x 3 mm weight: 191 g</p> <p>Functional description: e.g. suitable for connecting two heaters, pump with heater, ...</p> <p>suitable for: all jet pumps, heatings</p> | <p>P-5183</p> | | | | | | | | |

JET

7

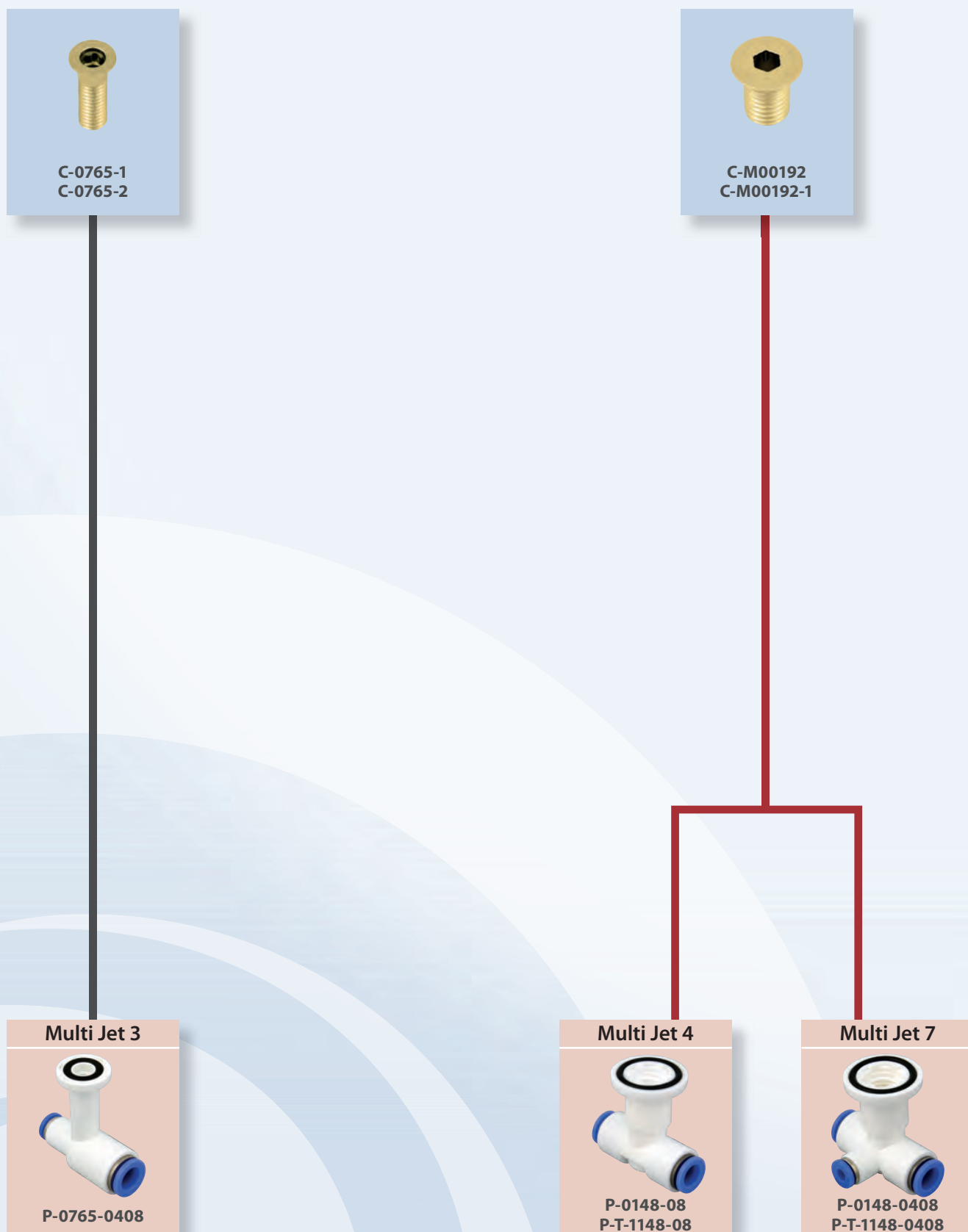


Features - Jet

- Various pipe installation systems: glued, cartridge, clip on
- Varying sizes of jets: nano/micro/midi/mini/super/turbo
- Wide choice of covers in various designs/materials and connection options – to screw, to snap (click in)
- Huge range of eye balls and roly jets – various combination possibilities
- Jet bodies in several lengths
- Sealing options – with silicon, o-ring/flat packing
- All jets of one size combinable
- End jets for all series of micro/midi/mini/super jet – no end plugs needed
- Big variety of special jets like distributor jets, reduction jets, jets with build-in lights
- Special c-tech series (silicon-free installation)
- Hydro jet (only water-based jet): these jets allow various possibilities of water-based effects
- Also available in Flatline versions



Multi jet Flatline - structure

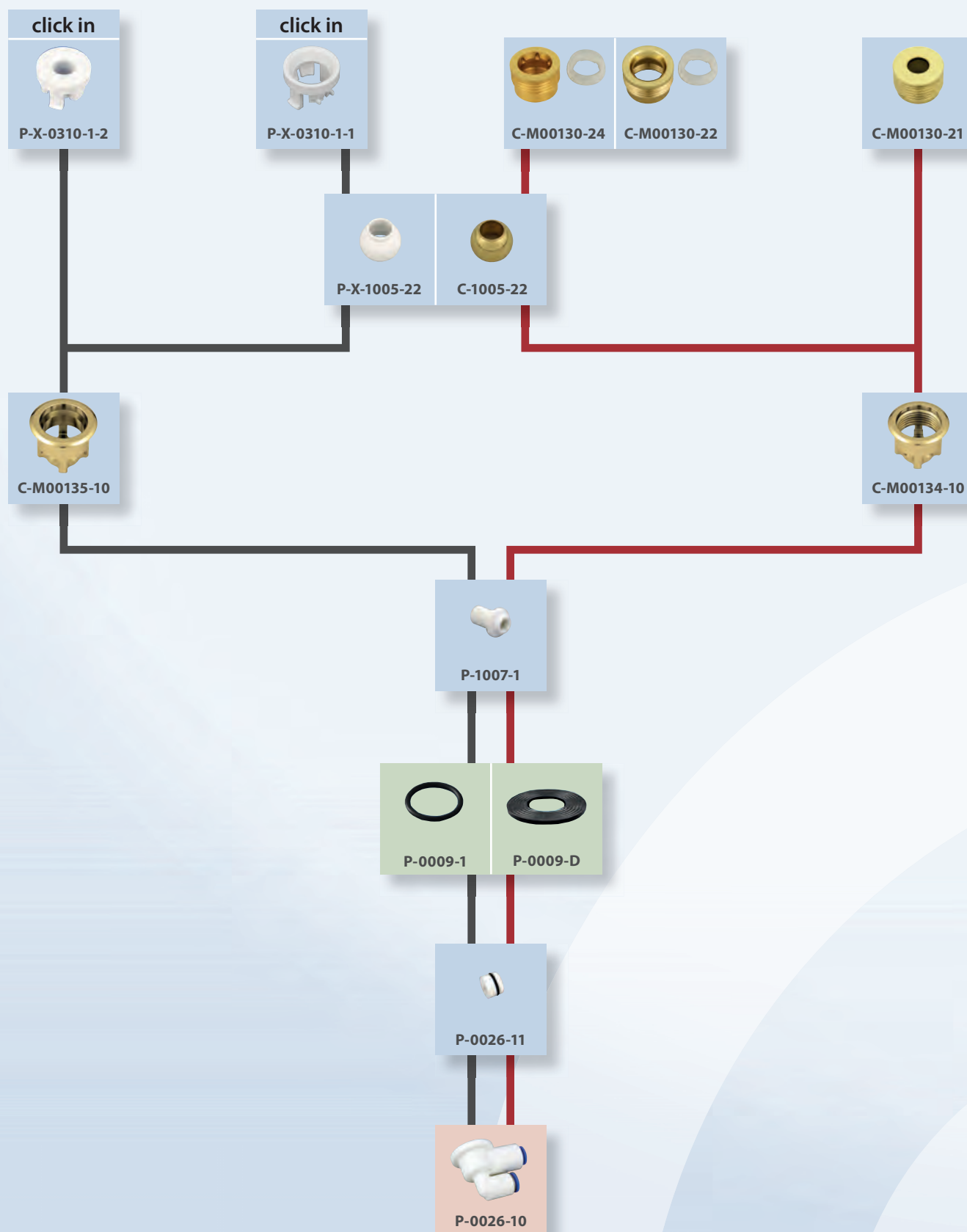


The suitable fittings and distributors for the pipe work are found in the chapter „Fitting“.

| JET | | Order No. | | | | | | | | | | | | |
|---|--|--------------------|----------------|---------------|--------|-------------|---------|-------|-----|------------|-------|---------|-------|--------------------------------|
|  | <p>Multi jet 3 nozzle 765-1</p> <p>material: brass water or air outlet: 1 hole outside Ø: 9 mm thread: M6 outside thread drill Ø: 6 mm wrench size: 4 mm hexagonal (hex key)</p> <table><tr><th>wall thickness</th><th>overall length</th><th>thread length</th><th>weight</th></tr><tr><td>2,5 - 11 mm</td><td>19 mm</td><td>18 mm</td><td>2 g</td></tr><tr><td>10 - 19 mm</td><td>28 mm</td><td>27 mm</td><td>2.5 g</td></tr></table> <p>suitable for: multi jet 3 with cartridge: P-0765-0408</p> | wall thickness | overall length | thread length | weight | 2,5 - 11 mm | 19 mm | 18 mm | 2 g | 10 - 19 mm | 28 mm | 27 mm | 2.5 g | <p>C-0765-1 C-0765-2</p> |
| wall thickness | overall length | thread length | weight | | | | | | | | | | | |
| 2,5 - 11 mm | 19 mm | 18 mm | 2 g | | | | | | | | | | | |
| 10 - 19 mm | 28 mm | 27 mm | 2.5 g | | | | | | | | | | | |
|  | <p>Multi jet 3 with cartridge 0765-0408</p> <p>material: plastic thread: M6 inside thread cartridge Ø: 8 mm water 4 mm whisper air height: 43 mm weight: 12 g</p> <p>Functional description: The multi jet 3 is supplied with water from a jet pump and with whisper air from a whisper blower. The subsequent 3 functions are as follows: water jet, whisper air jet and jet with whisper air.</p> <p>inclusive: o-ring (8 x 2,5 mm)</p> | <p>P-0765-0408</p> | | | | | | | | | | | | |
|  | <p>Multi jet 4 nozzle M00192</p> <p>material: brass water or air outlet: 1 hole outside Ø: 18 mm thread: M12 outside thread drill Ø: 12 mm wrench size: 6 mm hexagonal (hex key)</p> <table><tr><th>wall thickness</th><th>overall length</th><th>thread length</th><th>weight</th></tr><tr><td>2 - 8 mm</td><td>19,5 mm</td><td>18 mm</td><td>9 g</td></tr><tr><td>18 - 25 mm</td><td>38 mm</td><td>36,5 mm</td><td>13 g</td></tr></table> <p>suitable for: multi jet 4 with cartridge: P-0148-08, P-T-1148-08 multi jet 7 with cartridge: P-0148-0408, P-T-1148-0408</p> | wall thickness | overall length | thread length | weight | 2 - 8 mm | 19,5 mm | 18 mm | 9 g | 18 - 25 mm | 38 mm | 36,5 mm | 13 g | <p>C-M00192 C-M00192-1</p> |
| wall thickness | overall length | thread length | weight | | | | | | | | | | | |
| 2 - 8 mm | 19,5 mm | 18 mm | 9 g | | | | | | | | | | | |
| 18 - 25 mm | 38 mm | 36,5 mm | 13 g | | | | | | | | | | | |
|  | <p>Multi jet 4 with cartridge 0148-08</p> <p>material: plastic thread: M12 inside thread cartridge Ø: 8 mm water (marked with "W") 8 mm air height: 41 mm weight: 13 g</p> <p>Functional description: The multi jet 4 is supplied with water from a jet pump and with air from an air blower via a turbo air control. The subsequent 4 functions are as follows: water jet, air jet, jet with air control and jet with turbo air.</p> <p>inclusive: o-ring (18 x 2,5 mm), jet inner part (P-0148-01)</p> | <p>P-0148-08</p> | | | | | | | | | | | | |

| JET | Order No. |
|---|--|
|  <p>WILL BE DISCONTINUED</p> | <p>Multi jet 4 with cartridge transparent 1148-08</p> <p>material: plastic thread: M12 inside thread cartridge Ø: 8 mm water (marked with "W") 8 mm air height: 41 mm weight: 15 g</p> <p>Functional description: May be lit via the lens housing (P-15191) and the suitable effect light chain (series 5191A). The multi jet 4 is supplied with water from a jet pump and with air from an air blower via a turbo air control. The subsequent 4 functions are as follows: water jet, air jet, jet with air control and jet with turbo air.</p> <p>inclusive: o-ring (18 x 2,5 mm), jet inner part (P-0148-01)</p> <p>P-T-1148-08</p> |
|  | <p>Multi jet 7 with cartridge 0148-0408</p> <p>material: plastic thread: M12 inside thread cartridge Ø: 8 mm water (marked with "W") 8 mm air 4 mm whisper air height: 41 mm weight: 15 g</p> <p>Functional description: The multi jet 7 is supplied with water from a jet pump, with whisper air from a whisper blower and with air from an air blower via a turbo air control. The subsequent 7 functions are as follows: water jet, air jet, whisper air jet, jet with whisper air, jet with air control, jet with turbo air and all functions combined.</p> <p>inclusive: o-ring (18 x 2,5 mm), jet inner part (P-0148-01)</p> <p>P-0148-0408</p> |
|  <p>WILL BE DISCONTINUED</p> | <p>Multi jet 7 with cartridge transparent 1148-0408</p> <p>material: plastic thread: M12 inside thread cartridge Ø: 8 mm water (marked with "W") 8 mm air 4 mm whisper air height: 41 mm weight: 15 g</p> <p>Functional description: May be lit via the lens housing (P-15191) and the suitable effect light chain (series 5191A). The multi jet 7 is supplied with water from a jet pump, with whisper air from a whisper blower and with air from an air blower via a turbo air control. The subsequent 7 functions are as follows: water jet, air jet, whisper air jet, jet with whisper air, jet with air control, jet with turbo air and all functions combined.</p> <p>inclusive: o-ring (18 x 2,5 mm), jet inner part (P-0148-01)</p> <p>P-T-1148-0408</p> |

Micro jet bottom Flatline - structure

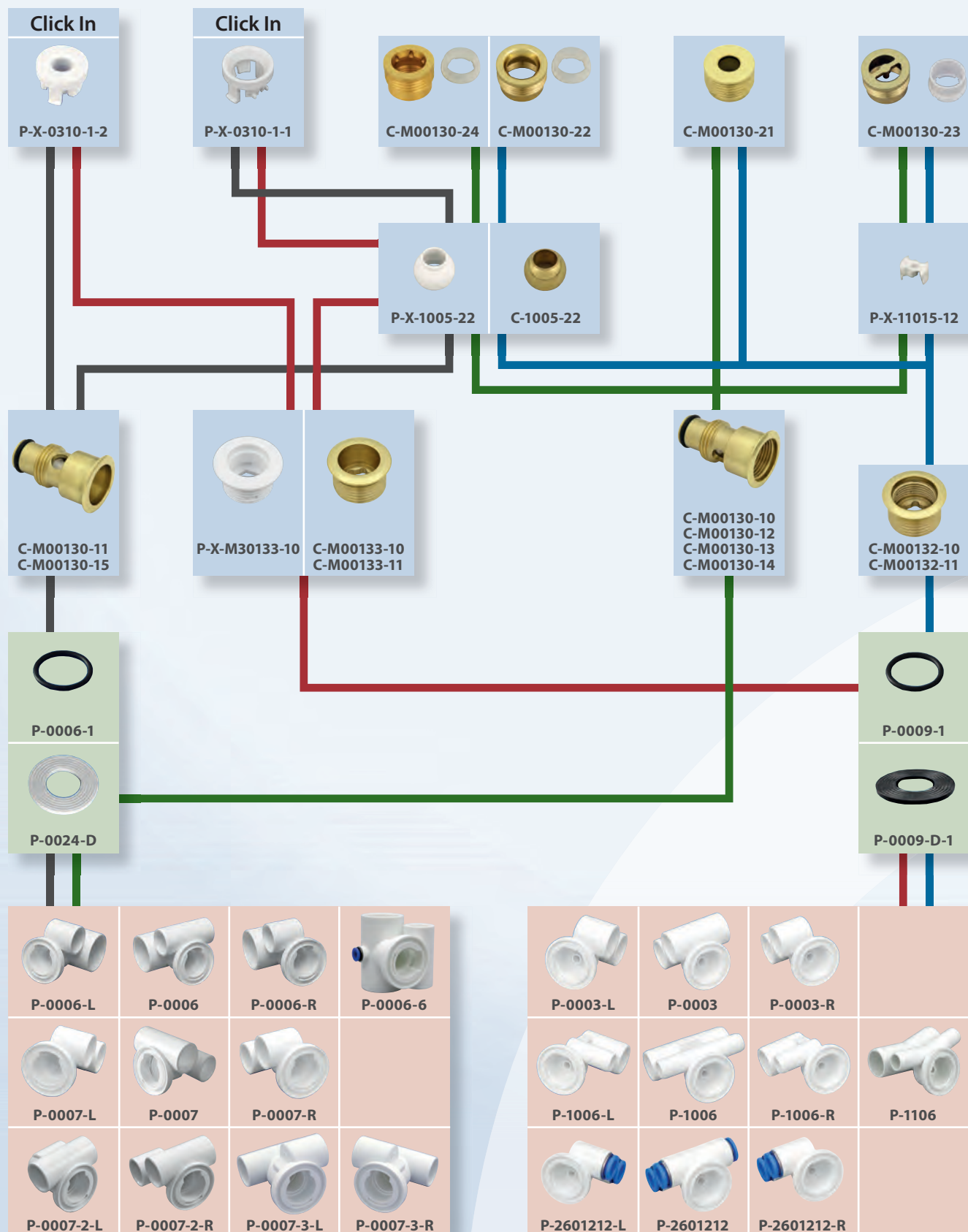


The suitable fittings and distributors for the pipe work are found in the chapter „Fitting“.

Please replace the X by the desired color code shown on the inside front cover legend!

| JET | Order No. |
|---|-------------|
|  <p>Flatline micro click in jet body M00135-10</p> <p>material: brass outside Ø: 28 mm drill Ø: 22 mm wall thickness: 2 - 4 mm with P-1007-1 weight: 20 g</p> <p>suitable for: micro c-tech connection part: P-1007-1 micro cartridge jet: P-0026-10</p> | C-M00135-10 |
|  <p>Flatline micro jet body M00134-10</p> <p>material: brass outside Ø: 28 mm drill Ø: 22 mm wall thickness: 2 - 4 mm with P-1007-1 weight: 16 g</p> <p>suitable for: micro c-tech connection part: P-1007-1 micro cartridge jet: P-0026-10</p> | C-M00134-10 |
|  <p>Check valve 0026-11</p> <p>material: plastic weight: 2 g</p> <p>inclusive: o-ring (12,1 x 1,6 mm)</p> <p>suitable for: micro cartridge jet: P-0026-10</p> | P-0026-11 |
|  <p>Micro cartridge bottom jet 0026-10</p> <p>material: plastic cartridge Ø: 10 mm water 10 mm air variant: for bottom installation weight: 38 g</p> <p>optionally available: flat packing P-0009-D or o-ring P-0009-1</p> | P-0026-10 |

Micro jet Flatline - structure



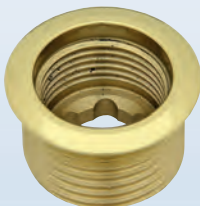
The suitable fittings and distributors for the pipe work are found in the chapter „Fitting“.

Please replace the X by the desired color code shown on the inside front cover legend!

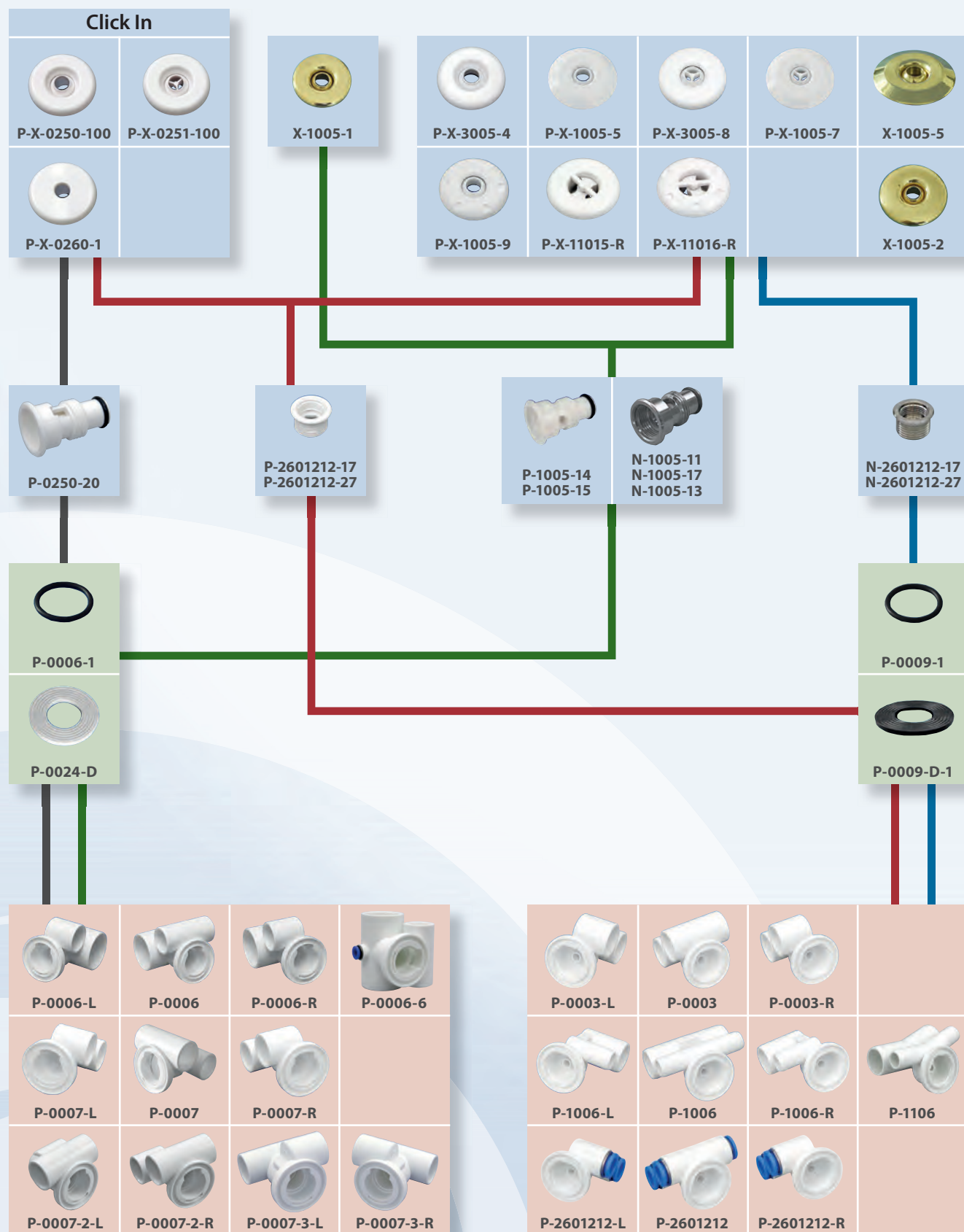
| JET | Order No. |
|---|--------------------------------------|
|  <p>Flatline micro click in inner part 0310-1-2 1 hole (no ball necessary)</p> <p>material: plastic key: P-0250-1-20 weight: 2 g</p> <p>suitable for: Flatline micro click in jet body: C-M00130-11, C-M00130-15, C-M00133-10, C-M00133-11, C-M00135-10</p> | <p>P-W-0310-1-2 P-C-0310-1-2</p> |
|  <p>Flatline micro click in inner part 0310-1-1 material: plastic key: P-0250-1-20 weight: 1 g</p> <p>suitable for: Flatline micro click in jet body: C-M00130-11, C-M00130-15, C-M00133-10, C-M00133-11, C-M00135-10</p> <p>The specified key is used only in combination with the ball P-X-1005-22 and C-1005-22.</p> | <p>P-W-0310-1-1 P-C-0310-1-1</p> |
|  <p>Flatline micro inner part M00130-21 1 hole (no ball necessary)</p> <p>material: brass key: P-M00130-50 weight: 16 g</p> <p>suitable for: Flatline micro jet body: C-M00130-10, C-M00130-12, C-M00130-14, C-M00130-13, C-M00132-10, C-M00134-10</p> | <p>C-M00130-21</p> |
|  <p>Flatline Micro inner part M00130-24 material: brass / plastic key: P-M00130-52 weight: 13 g</p> <p>consists of: inner part ring: C-M00130-24-1 plastic ring: P-1005-23</p> <p>suitable for: Flatline micro jet body: C-M00130-10, C-M00130-12, C-M00130-14, C-M00130-13, C-M00132-10, C-M00134-10</p> | <p>C-M00130-24</p> |

| JET | Order No. |
|--|------------------------------|
|  <p>Flatline micro inner part M00130-22 material: brass / plastic key: P-M00130-50 weight: 12 g</p> <p>consists of: inner part ring: C-M00130-20 plastic ring: P-1005-23</p> <p>suitable for: Flatline micro jet body: C-M00130-10, C-M00130-12, C-M00130-14, C-M00130-13, C-M00132-10, C-M00134-10</p> | C-M00130-22 |
|  <p>Flatline micro inner part M00130-23 material: brass / plastic key: P-M00130-51 weight: 11 g</p> <p>consists of: inner part ring: C-M00130-23-1 plastic ring: P-11015-11</p> <p>suitable for: Flatline micro jet body: C-M00130-10, C-M00130-12, C-M00130-14, C-M00130-13, C-M00132-10</p> | C-M00130-23 |
|  <p>Micro roly part P-X-11015-12 material: plastic weight: 1 g</p> <p>suitable for: Flatline micro inner part: C-M00130-23</p> | P-W-11015-12 P-C-11015-12 |
|  <p>Micro ball P-X-1005-22 material: plastic weight: 1 g</p> <p>suitable for: Flatline micro click in inner part: P-X-0310-1-1 Flatline micro inner part: C-M00130-22, C-M00130-24</p> | P-W-1005-22 P-C-1005-22 |
|  <p>Micro ball C-1005-22 material: brass weight: 4 g</p> <p>suitable for: Flatline micro click in inner part: P-X-0310-1-1 Flatline micro inner part: C-M00130-22, C-M00130-24</p> | C-1005-22 |

| JET | | Order No. | | | | | | | | | | | | | | | | | | | | |
|---|---|--------------------------------|----------------|---------------|--------|-----------|-------|-------------|------|------------|-------|-------------|------|----------------------------|-------|-------------|------|------------|-------|-------------|------|--|
|  | <p>Flatline Micro click in jet body series M00130-11</p> <p>material: brass outside Ø: 28 mm drill Ø: 24 mm key: N-0145</p> <table><tr><th>wall thickness</th><th>overall length</th><th>jet insert</th><th>weight</th></tr><tr><td>6 - 11 mm</td><td>45 mm</td><td>P-1005-14-1</td><td>56 g</td></tr><tr><td>10 - 17 mm</td><td>51 mm</td><td>P-1005-15-1</td><td>68 g</td></tr></table> <p>inclusive: o-ring (10,78 x 2,62 mm)</p> <p>suitable for: micro jet: P-0006, P-0006-L, P-0006-R, P-0006-6, P-0007, P-0007-L, P-0007-R, P-0007-2-L, P-0007-2-R, P-0007-3-L, P-0007-3-R</p> | wall thickness | overall length | jet insert | weight | 6 - 11 mm | 45 mm | P-1005-14-1 | 56 g | 10 - 17 mm | 51 mm | P-1005-15-1 | 68 g | C-M00130-11 C-M00130-15 | | | | | | | | |
| wall thickness | overall length | jet insert | weight | | | | | | | | | | | | | | | | | | | |
| 6 - 11 mm | 45 mm | P-1005-14-1 | 56 g | | | | | | | | | | | | | | | | | | | |
| 10 - 17 mm | 51 mm | P-1005-15-1 | 68 g | | | | | | | | | | | | | | | | | | | |
|  | <p>Flatline micro click in jet body P-X-M30133-10</p> <p>material: plastic outside Ø: 32 mm drill Ø: 27 mm wall thickness: 2 - 7 mm overall length: 19 mm thread length: 17 mm key: N-0144 weight: 5 g</p> <p>suitable for: micro jet: P-0003, P-0003-L, P-0003-R micro clip jet: P-1006, P-1006-L, P-1006-R, P-1106 micro cartridge jet: P-2601212, P-2601212-L, P-2601212-R</p> | P-W-M30133-10 P-C-M30133-10 | | | | | | | | | | | | | | | | | | | | |
|  | <p>Flatline micro click in jet body series M00133-XX</p> <p>material: brass outside Ø: 30 mm drill Ø: 27 mm key: N-0144</p> <table><tr><th>wall thickness</th><th>overall length</th><th>thread length</th><th>weight</th></tr><tr><td>2 - 7 mm</td><td>18 mm</td><td>16.5 mm</td><td>36 g</td></tr><tr><td>10 - 17 mm</td><td>28 mm</td><td>26.5 mm</td><td>46 g</td></tr></table> <p>suitable for: micro jet: P-0003, P-0003-L, P-0003-R micro clip jet: P-1006, P-1006-L, P-1006-R, P-1106 micro cartridge jet: P-2601212, P-2601212-L, P-2601212-R</p> | wall thickness | overall length | thread length | weight | 2 - 7 mm | 18 mm | 16.5 mm | 36 g | 10 - 17 mm | 28 mm | 26.5 mm | 46 g | C-M00133-10 C-M00133-11 | | | | | | | | |
| wall thickness | overall length | thread length | weight | | | | | | | | | | | | | | | | | | | |
| 2 - 7 mm | 18 mm | 16.5 mm | 36 g | | | | | | | | | | | | | | | | | | | |
| 10 - 17 mm | 28 mm | 26.5 mm | 46 g | | | | | | | | | | | | | | | | | | | |
|  | <p>Flatline micro jet body series M00130-XX</p> <p>material: brass outside Ø: 28 mm drill Ø: 24 mm key: N-0145</p> <table><tr><th>wall thickness</th><th>overall length</th><th>jet insert</th><th>weight</th></tr><tr><td>6 - 11 mm</td><td>45 mm</td><td>P-1005-14-1</td><td>56 g</td></tr><tr><td>10 - 17 mm</td><td>51 mm</td><td>P-1005-15-1</td><td>73 g</td></tr><tr><td>16 - 22 mm</td><td>56 mm</td><td>P-1005-15-1</td><td>78 g</td></tr><tr><td>20 - 27 mm</td><td>61 mm</td><td>P-1005-15-1</td><td>95 g</td></tr></table> <p>inclusive: o-ring (10,78 x 2,62 mm)</p> <p>suitable for: micro jet: P-0006, P-0006-L, P-0006-R, P-0006-6, P-0007, P-0007-L, P-0007-R, P-0007-2-L, P-0007-2-R, P-0007-3-L, P-0007-3-R</p> | wall thickness | overall length | jet insert | weight | 6 - 11 mm | 45 mm | P-1005-14-1 | 56 g | 10 - 17 mm | 51 mm | P-1005-15-1 | 73 g | 16 - 22 mm | 56 mm | P-1005-15-1 | 78 g | 20 - 27 mm | 61 mm | P-1005-15-1 | 95 g | C-M00130-10 C-M00130-12 C-M00130-14 C-M00130-13 |
| wall thickness | overall length | jet insert | weight | | | | | | | | | | | | | | | | | | | |
| 6 - 11 mm | 45 mm | P-1005-14-1 | 56 g | | | | | | | | | | | | | | | | | | | |
| 10 - 17 mm | 51 mm | P-1005-15-1 | 73 g | | | | | | | | | | | | | | | | | | | |
| 16 - 22 mm | 56 mm | P-1005-15-1 | 78 g | | | | | | | | | | | | | | | | | | | |
| 20 - 27 mm | 61 mm | P-1005-15-1 | 95 g | | | | | | | | | | | | | | | | | | | |






| JET | | | | Order No. |
|---|--|--------------------------------|---------------------------------|-----------------------|
|  | Flatline micro jet body series M00132-XX | | | |
| | material: brass outside Ø: 30 mm drill Ø: 27 mm key: N-0144 | | | |
| | wall thickness 2 - 7 mm | overall length 18 mm | thread length 16.5 mm | weight 31 g |
| suitable for: micro jet: P-0003, P-0003-L, P-0003-R micro clip jet: P-1006, P-1006-L, P-1006-R, P-1106 micro cartridge jet: P-2601212, P-2601212-L, P-2601212-R | | | | C-M00132-10 |

Micro jet - structure



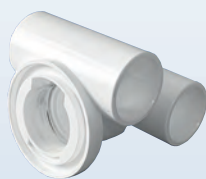
The suitable fittings and distributors for the pipe work are found in the chapter „Fitting“.
Please replace the X by the desired color code shown on the inside front cover legend!

| JET | Order No. |
|--|--------------------------|
|  <p>Micro cover 3005-4 material: plastic cover Ø: 32 mm key: P-0143-11 weight: 3 g</p> <p>consists of: cover: P-X-1005-42 ball: P-X-1005-22</p> <p>suitable for: jet body: series 1005, 2601212</p> <p>Ball is built-in in click in technology.</p> | P-W-3005-4 P-C-3005-4 |
|  <p>Micro cover P-X-1005-5 material: plastic cover Ø: 35 mm key: P-0143-11 weight: 4 g</p> <p>consists of: cover: P-X-1005-50 ball: P-X-1005-22 plastic ring: P-1005-23</p> <p>suitable for: jet body: series 1005, 2601212</p> | P-W-1005-5 P-C-1005-5 |
|  <p>Micro cover 3005-8 material: plastic cover Ø: 32 mm key: P-0143-11 weight: 3 g</p> <p>consists of: cover: P-X-1005-42 ball: P-X-1005-26</p> <p>suitable for: jet body: series 1005, 2601212</p> <p>Ball is built-in in click in technology.</p> | P-W-3005-8 P-C-3005-8 |
|  <p>Micro cover 1005-7 material: plastic cover Ø: 35 mm key: P-0143-11 weight: 4 g</p> <p>consists of: cover: P-X-1005-50 ball: P-X-1005-26 plastic ring: P-1005-23</p> <p>suitable for: jet body: series 1005, 2601212</p> | P-W-1005-7 P-C-1005-7 |
|  <p>Micro cover 1005-9 material: plastic cover Ø: 32 mm key: P-0143-11 weight: 3 g</p> <p>consists of: cover: P-X-1005-45 ball: P-X-1005-22 plastic ring: P-1005-23</p> <p>suitable for: jet body: series 1005, 2601212</p> | P-W-1005-9 P-C-1005-9 |

| JET | Order No. |
|--|---|
|  <p>Micro roly cover 11015-R material: plastic running direction: clockwise cover Ø: 32 mm key: P-0143-11 weight: 4 g</p> <p>consists of: cover: P-X-11015-10 roly insert: P-X-11015-12R plastic ring: P-11015-11</p> <p>suitable for: jet body: series 1005, 2601212</p> | P-W-11015-R P-C-11015-R |
|  <p>Micro roly cover 11016-R material: plastic running direction: clockwise cover Ø: 32 mm key: P-0143-11 weight: 4 g</p> <p>consists of: cover: P-X-11016-10 roly insert: P-X-11015-12R plastic ring: P-11015-11</p> <p>suitable for: jet body: series 1005, 2601212</p> | P-W-11016-R P-C-11016-R |
|  <p>Micro cover 1005-1 material: brass cover Ø: 30 mm key: P-0143-11 weight: 19 g</p> <p>consists of: cover: X-1005-10 ball: X-1005-22 plastic ring: P-1005-23</p> <p>suitable for: jet body: series 1005</p> | C-1005-1 B-1005-1 GP-1005-1 W-1005-1 |
|  <p>Micro cover 1005-2 material: brass cover Ø: 35 mm key: P-0143-11 weight: 27 g</p> <p>consists of: cover: X-1005-20 ball: X-1005-22 plastic ring: P-1005-23</p> <p>suitable for: jet body: series 1005, 2601212</p> | C-1005-2 B-1005-2 GP-1005-2 W-1005-2 |
|  <p>Micro cover X-1005-5 material: brass cover Ø: 35 mm key: P-0143-11 weight: 25 g</p> <p>consists of: cover: X-1005-50 ball: X-1005-22 plastic ring: P-1005-23</p> <p>suitable for: jet body: series 1005, 2601212</p> | C-1005-5 B-1005-5 GP-1005-5 W-1005-5 |

| JET | | Order No. | | | | | | | | | | | | | | | | |
|---|--|----------------|----------------|---------------|--------|----------|---------|-------------|------|------------|---------|-------------|------|--------------------------------------|-------|-------------|------|--|
|  | <p>Micro jet body series P-1005-XX</p> <p>material: plastic drill Ø: 24 mm key: N-0145</p> <table><tr><th>wall thickness</th><th>overall length</th><th>jet insert</th><th>weight</th></tr><tr><td>2 - 7 mm</td><td>41.5 mm</td><td>P-1005-14-1</td><td>6 g</td></tr><tr><td>10 - 17 mm</td><td>51.5 mm</td><td>P-1005-15-1</td><td>8 g</td></tr></table> <p>inclusive: o-ring (10,78 x 2,62 mm)</p> <p>suitable for: micro jet: P-0006, P-0006-L, P-0006-R, P-0006-6, P-0007, P-0007-L, P-0007-R, P-0007-2-L, P-0007-2-R, P-0007-3-L, P-0007-3-R</p> | wall thickness | overall length | jet insert | weight | 2 - 7 mm | 41.5 mm | P-1005-14-1 | 6 g | 10 - 17 mm | 51.5 mm | P-1005-15-1 | 8 g | <p>P-1005-14 P-1005-15</p> | | | | |
| wall thickness | overall length | jet insert | weight | | | | | | | | | | | | | | | |
| 2 - 7 mm | 41.5 mm | P-1005-14-1 | 6 g | | | | | | | | | | | | | | | |
| 10 - 17 mm | 51.5 mm | P-1005-15-1 | 8 g | | | | | | | | | | | | | | | |
|  | <p>Micro jet body series N-1005-XX</p> <p>material: brass nickel-plated drill Ø: 24 mm key: N-0145</p> <table><tr><th>wall thickness</th><th>overall length</th><th>jet insert</th><th>weight</th></tr><tr><td>2 - 7 mm</td><td>41 mm</td><td>P-1005-14-1</td><td>47 g</td></tr><tr><td>6 - 11 mm</td><td>45 mm</td><td>P-1005-14-1</td><td>57 g</td></tr><tr><td>10 - 17 mm</td><td>51 mm</td><td>P-1005-15-1</td><td>75 g</td></tr></table> <p>inclusive: o-ring (10,78 x 2,62 mm)</p> <p>suitable for: micro jet: P-0006, P-0006-L, P-0006-R, P-0006-6, P-0007, P-0007-L, P-0007-R, P-0007-2-L, P-0007-2-R, P-0007-3-L, P-0007-3-R</p> | wall thickness | overall length | jet insert | weight | 2 - 7 mm | 41 mm | P-1005-14-1 | 47 g | 6 - 11 mm | 45 mm | P-1005-14-1 | 57 g | 10 - 17 mm | 51 mm | P-1005-15-1 | 75 g | <p>N-1005-11 N-1005-17 N-1005-13</p> |
| wall thickness | overall length | jet insert | weight | | | | | | | | | | | | | | | |
| 2 - 7 mm | 41 mm | P-1005-14-1 | 47 g | | | | | | | | | | | | | | | |
| 6 - 11 mm | 45 mm | P-1005-14-1 | 57 g | | | | | | | | | | | | | | | |
| 10 - 17 mm | 51 mm | P-1005-15-1 | 75 g | | | | | | | | | | | | | | | |
|  | <p>Micro jet body series P-2601212-XX</p> <p>material: plastic drill Ø: 27 mm key: N-0144</p> <table><tr><th>wall thickness</th><th>overall length</th><th>thread length</th><th>weight</th></tr><tr><td>2 - 7 mm</td><td>19 mm</td><td>17 mm</td><td>3 g</td></tr><tr><td>10 - 17 mm</td><td>29 mm</td><td>27 mm</td><td>5 g</td></tr></table> <p>suitable for: micro jet: P-0003, P-0003-L, P-0003-R micro clip jet: P-1006, P-1006-L, P-1006-R, P-1106 micro cartridge jet: P-2601212, P-2601212-L, P-2601212-R</p> | wall thickness | overall length | thread length | weight | 2 - 7 mm | 19 mm | 17 mm | 3 g | 10 - 17 mm | 29 mm | 27 mm | 5 g | <p>P-2601212-17 P-2601212-27</p> | | | | |
| wall thickness | overall length | thread length | weight | | | | | | | | | | | | | | | |
| 2 - 7 mm | 19 mm | 17 mm | 3 g | | | | | | | | | | | | | | | |
| 10 - 17 mm | 29 mm | 27 mm | 5 g | | | | | | | | | | | | | | | |
|  | <p>Micro jet body series N-2601212-XX</p> <p>material: brass nickel-plated drill Ø: 27 mm key: N-0144</p> <table><tr><th>wall thickness</th><th>overall length</th><th>thread length</th><th>weight</th></tr><tr><td>2 - 7 mm</td><td>19 mm</td><td>17 mm</td><td>31 g</td></tr><tr><td>10 - 17 mm</td><td>29 mm</td><td>27 mm</td><td>41 g</td></tr></table> <p>suitable for: micro jet: P-0003, P-0003-L, P-0003-R micro clip jet: P-1006, P-1006-L, P-1006-R, P-1106 micro cartridge jet: P-2601212, P-2601212-L, P-2601212-R</p> | wall thickness | overall length | thread length | weight | 2 - 7 mm | 19 mm | 17 mm | 31 g | 10 - 17 mm | 29 mm | 27 mm | 41 g | <p>N-2601212-17 N-2601212-27</p> | | | | |
| wall thickness | overall length | thread length | weight | | | | | | | | | | | | | | | |
| 2 - 7 mm | 19 mm | 17 mm | 31 g | | | | | | | | | | | | | | | |
| 10 - 17 mm | 29 mm | 27 mm | 41 g | | | | | | | | | | | | | | | |

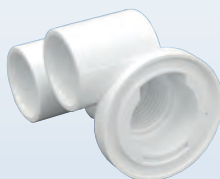
| JET | Order No. |
|---|------------------------------|
|  <p>Micro click in cover 0250-100 material: plastic cover Ø: 32 mm key: P-0250-1-20 weight: 3 g</p> <p>consists of: cover: P-X-0250-1 ball: P-X-1005-22</p> <p>suitable for: jet body series: P-0250-20, P-2601212-XX micro c-tech jet body: 1007-11</p> | P-W-0250-100 P-C-0250-100 |
|  <p>Micro click in cover 0251-100 material: plastic cover Ø: 32 mm weight: 3 g</p> <p>consists of: cover: P-X-0250-1 ball: P-X-1005-26</p> <p>suitable for: jet body series: P-0250-20, P-2601212-XX micro c-tech jet body: 1007-11</p> | P-W-0251-100 P-C-0251-100 |
|  <p>Micro click in cover 0260-1 1 hole (no ball necessary)</p> <p>material: plastic cover Ø: 32 mm key: P-0250-1-20 weight: 3 g</p> <p>suitable for: jet body series: P-0250-20, P-2601212-XX micro c-tech jet body: 1007-11</p> | P-W-0260-1 P-C-0260-1 |
|  <p>Micro click in jet body 0250-20 material: plastic drill Ø: 24 mm key: N-0145</p> <p>inclusive: o-ring (10,78 x 2,62 mm)</p> <p>suitable for: micro jet: P-0006, P-0006-L, P-0006-R, P-0006-6, P-0007, P-0007-L, P-0007-R, P-0007-2-L, P-0007-2-R, P-0007-3-L, P-0007-3-R</p> <p>wall thickness 2 - 7 mm overall length 42.5 mm weight 6 g</p> | P-0250-20 |

JET


P-0007



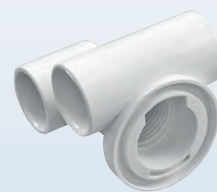
P-0007-L



P-0007-R



P-0007-2-L



P-0007-2-R



P-0007-3-L



P-0007-3-R

MICRO JET SERIES 0007

material: plastic
adhesive socket Ø: 20 mm water
20 mm air

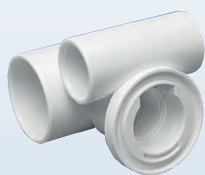
| variant | weight |
|---|--------|
| through jet | 43 g |
| close jet left | 34 g |
| close jet right | 34 g |
| water closed on the left - air passing | 38 g |
| water closed on the right - air passing | 38 g |
| water passing - air closed on the left | 39 g |
| water passing - air closed on the right | 39 g |

P-0007
P-0007-L
P-0007-R
P-0007-2-L
P-0007-2-R
P-0007-3-L
P-0007-3-R

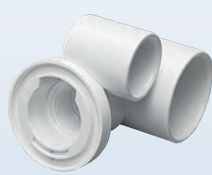
optionally available: flat packing P-0024-D or o-ring P-0006-1

Order No.

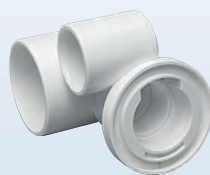
JET



P-0006



P-0006-L



P-0006-R

MICRO JET SERIES 0006

Order No.

material: plastic
 adhesive socket Ø: 32 mm water
 20 mm air

| variant | weight |
|-----------------|--------|
| through jet | 61 g |
| close jet left | 44 g |
| close jet right | 44 g |

P-0006
 P-0006-L
 P-0006-R

optionally available: flat packing P-0024-D or o-ring P-0006-1



P-0003



P-0003-L



P-0003-R

MICRO JET SERIES 0003

Order No.

material: plastic
 adhesive socket Ø: 20 mm water
 20 mm air

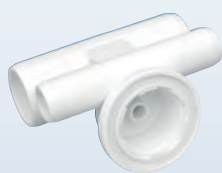
| variant | weight |
|-----------------|--------|
| through jet | 39 g |
| close jet left | 29 g |
| close jet right | 29 g |

P-0003
 P-0003-L
 P-0003-R

optionally available: flat packing P-0009-D-1 or o-ring P-0009-1



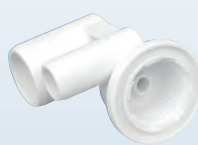
Main Catalogue system components for whirlpool tubs
 Technical specifications and printing errors are subject to change
 without prior notification. EN2122 © Copyright reserved.

JET


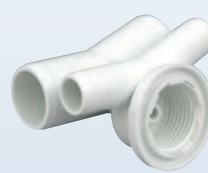
P-1006



P-1006-L



P-1006-R



P-1106

MICRO CLIP JET SERIES 1X06
Order No.

material: plastic
hose connection Ø: 25 mm water
15 mm air

| variant | weight |
|----------------------------|--------|
| through jet | 39 g |
| close jet left | 28 g |
| close jet right | 28 g |
| through jet V-shape design | 38 g |

P-1006
P-1006-L
P-1006-R
P-1106

optionally available: flat packing P-0009-D-1 or o-ring P-0009-1



P-2601212



P-2601212-L



P-2601212-R

MICRO CARTRIDGE JET SERIES 2601212
Order No.

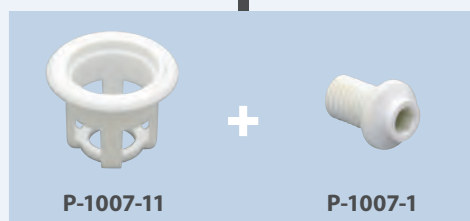
material: plastic
cartridge Ø: 12 mm water
12 mm air

| variant | weight |
|-----------------|--------|
| through jet | 60 g |
| close jet left | 38 g |
| close jet right | 38 g |

P-2601212
P-2601212-L
P-2601212-R

optionally available: flat packing P-0009-D-1 or o-ring P-0009-1

Micro c-tech - structure (Installation without silicon!)



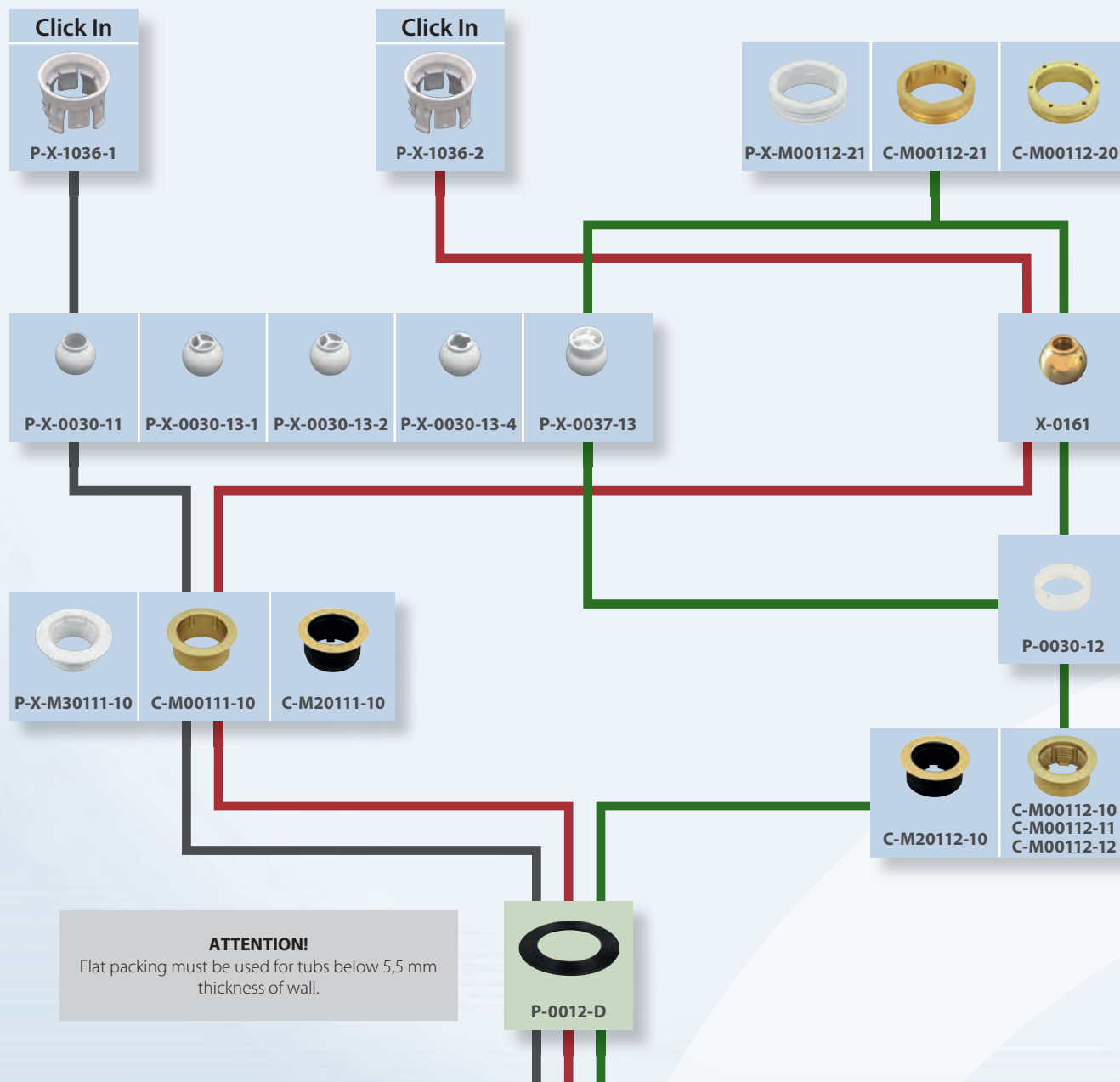
Because of the specially shaped seal the nozzle can be installed without silicone.



The suitable fittings and distributors for the pipe work are found in the chapter „Fitting“.
Please replace the X by the desired color code shown on the inside front cover legend!

| JET | Order No. | | | | | | | | |
|--|------------------------|--------|------|-----|------|-----|------|-----|--|
|  <p>Micro c-tech jet body 1007-11 material: plastic drill Ø: 24 mm overall length: 20 mm weight: 2 g</p> <p>suitable for: micro c-tech connection part: P-1007-1 micro c-tech jet: P-1007</p> | P-1007-11 | | | | | | | | |
|  <p>Micro c-tech connection part 1007-1 material: plastic length: 20 mm key: WZ-1007-20 weight: 2 g</p> <p>suitable for: micro c-tech jet body: 1007-11</p> | P-1007-1 | | | | | | | | |
|  <p>Micro c-tech jet 1007 material: plastic adhesive socket Ø: 20 mm water 20 mm air variant: through jet weight: 39 g</p> <p>suitable micro c-tech sealing in the desired dimension absolutely necessary No silicon necessary!</p> | P-1007 | | | | | | | | |
|  <p>Micro c-tech packing series 1007-D-X</p> <table> <thead> <tr> <th>thickness of wall max.</th><th>weight</th></tr> </thead> <tbody> <tr> <td>4 mm</td><td>3 g</td></tr> <tr> <td>6 mm</td><td>3 g</td></tr> <tr> <td>8 mm</td><td>3 g</td></tr> </tbody> </table> <p>suitable for: micro c-tech jet: P-1007</p> | thickness of wall max. | weight | 4 mm | 3 g | 6 mm | 3 g | 8 mm | 3 g | P-1007-D-4 P-1007-D-6 P-1007-D-8 |
| thickness of wall max. | weight | | | | | | | | |
| 4 mm | 3 g | | | | | | | | |
| 6 mm | 3 g | | | | | | | | |
| 8 mm | 3 g | | | | | | | | |

Midi jet Flatline - structure



The suitable fittings and distributors for the pipe work are found in the chapter „Fitting“.
Please replace the X by the desired color code shown on the inside front cover legend!

| JET | Order No. |
|--|--------------------------------|
|  <p>Flatline midi click in inner part 1036-1 material: plastic key: P-0030-10-20 weight: 6 g</p> <p>suitable for: Flatline midi click in jet body: C-M00111-10 Flatline midi click in cluster jet body: C-M20111-10</p> <p>The specified key is used only in combination with the plastic ball P-X-0030-11. suitable plastic-balls see page 7.31 - 7.32</p> | P-W-1036-1 P-C-1036-1 |
|  <p>Flatline midi click in inner part 1036-2 material: plastic key: P-0030-10-20 weight: 6 g</p> <p>suitable for: Flatline midi click in jet body: C-M00111-10 Flatline midi click in cluster jet body: C-M20111-10</p> <p>The specified key is used only in combination with the ball X-0161. suitable ball: X-0161</p> | P-W-1036-2 P-C-1036-2 |
|  <p>Flatline midi inner part ring P-X-M00112-21 material: plastic key: P-M00112-51 weight: 3 g</p> <p>suitable for: Flatline midi jet body: C-M00112-10, C-M00112-11, C-M00112-12 Flatline midi cluster jet body: C-M20112-10</p> <p>suitable balls see page 7.31 - 7.32</p> | P-W-M00112-21 P-C-M00112-21 |
|  <p>Flatline midi inner part ring C-M00112-21 material: brass key: P-M00112-51 weight: 22 g</p> <p>suitable for: Flatline midi jet body: C-M00112-10, C-M00112-11, C-M00112-12 Flatline midi cluster jet body: C-M20112-10</p> <p>suitable balls see page 7.31 - 7.32</p> | C-M00112-21 |
|  <p>Flatline midi inner part ring X-M00112-20 material: brass key: P-M00112-50 weight: 23 g</p> <p>suitable for: Flatline midi jet body: C-M00112-10, C-M00112-11, C-M00112-12 Flatline midi cluster jet body: C-M20112-10</p> <p>suitable balls see page 7.31 - 7.32</p> | C-M00112-20 |

| JET | | Order No. | | | | | | | | | | | | | | | | |
|---|---|--------------------------------|----------------|---------------|--------|-------------|---------|-------|------|-------------|---------|-------|-------|------------|---------|-------|-------|---|
|  | <p>Flatline midi click in jet body P-X-M30111-10</p> <p>material: plastic outside Ø: 55 mm drill Ø: 41 mm wall thickness: 3,5 - 10 mm overall length: 23 mm thread length: 21 mm key: P-M00111-50 weight: 11 g</p> <p>suitable for: midi jet: P-0016, P-0016-L, P-0016-R, P-0016-A, P-0016-2-L, P-0016-2-R, P-0016-3-L, P-0016-3-R, P-0216, P-0017, P-0017-L, P-0017-R, P-0017-A, P-0017-2-L, P-0017-2-R, P-0017-3-L, P-0017-3-R, P-0017-4-L, P-0017-4-R, P-0017-6, P-0017-7 mini jet: P-0012, P-0013, P-0011 midi clip jet: P-1017, P-1017-L, P-1017-R, P-1117 cartridge jet: P-11208-L, P-11208-R, P-11608-L, P-11608-R, P-11212-1-L, P-11212-1-R, P-23212</p> | P-W-M30111-10 P-C-M30111-10 | | | | | | | | | | | | | | | | |
|  | <p>Flatline midi click in jet body M00111-10</p> <p>material: brass outside Ø: 50 mm drill Ø: 41 mm key: P-M00111-50</p> <table><tr><th>wall thickness</th><th>overall length</th><th>thread length</th><th>weight</th></tr><tr><td>3,5 - 10 mm</td><td>23 mm</td><td>22 mm</td><td>67 g</td></tr></table> <p>suitable for: midi jet: P-0016, P-0016-L, P-0016-R, P-0016-A, P-0016-2-L, P-0016-2-R, P-0016-3-L, P-0016-3-R, P-0216, P-0017, P-0017-L, P-0017-R, P-0017-A, P-0017-2-L, P-0017-2-R, P-0017-3-L, P-0017-3-R, P-0017-4-L, P-0017-4-R, P-0017-6, P-0017-7 mini jet: P-0012, P-0013, P-0011 midi clip jet: P-1017, P-1017-L, P-1017-R, P-1117 cartridge jet: P-11208-L, P-11208-R, P-11608-L, P-11608-R, P-11212-1-L, P-11212-1-R, P-23212</p> | wall thickness | overall length | thread length | weight | 3,5 - 10 mm | 23 mm | 22 mm | 67 g | C-M00111-10 | | | | | | | | |
| wall thickness | overall length | thread length | weight | | | | | | | | | | | | | | | |
| 3,5 - 10 mm | 23 mm | 22 mm | 67 g | | | | | | | | | | | | | | | |
|  | <p>Flatline midi jet body series M00112-XX</p> <p>with drain of the remaining water</p> <p>material: brass outside Ø: 50 mm drill Ø: 41 mm key: P-0143-10</p> <table><tr><th>wall thickness</th><th>overall length</th><th>thread length</th><th>weight</th></tr><tr><td>3,5 - 10 mm</td><td>21.5 mm</td><td>20 mm</td><td>82 g</td></tr><tr><td>12 - 18 mm</td><td>29.5 mm</td><td>28 mm</td><td>100 g</td></tr><tr><td>20 - 25 mm</td><td>36.5 mm</td><td>35 mm</td><td>117 g</td></tr></table> <p>suitable for: midi jet: P-0016, P-0016-L, P-0016-R, P-0016-A, P-0016-2-L, P-0016-2-R, P-0016-3-L, P-0016-3-R, P-0216, P-0017, P-0017-L, P-0017-R, P-0017-A, P-0017-2-L, P-0017-2-R, P-0017-3-L, P-0017-3-R, P-0017-4-L, P-0017-4-R, P-0017-6, P-0017-7 mini jet: P-0012, P-0013, P-0011 midi clip jet: P-1017, P-1017-L, P-1017-R, P-1117 cartridge jet: P-11208-L, P-11208-R, P-11608-L, P-11608-R, P-11212-1-L, P-11212-1-R, P-23212 swivel jet: P-0021 two way valve: P-73032-9, P-73132-9 multi way valve: P-73232-9 future jet: P-0025, P-0025-08</p> | wall thickness | overall length | thread length | weight | 3,5 - 10 mm | 21.5 mm | 20 mm | 82 g | 12 - 18 mm | 29.5 mm | 28 mm | 100 g | 20 - 25 mm | 36.5 mm | 35 mm | 117 g | C-M00112-10 C-M00112-11 C-M00112-12 |
| wall thickness | overall length | thread length | weight | | | | | | | | | | | | | | | |
| 3,5 - 10 mm | 21.5 mm | 20 mm | 82 g | | | | | | | | | | | | | | | |
| 12 - 18 mm | 29.5 mm | 28 mm | 100 g | | | | | | | | | | | | | | | |
| 20 - 25 mm | 36.5 mm | 35 mm | 117 g | | | | | | | | | | | | | | | |

JET

WILL BE DISCONTINUED



Flatline midi click in cluster jet body M20111-10

material: brass / plastic
outside Ø: 50 mm
drill Ø: 41 mm
key: N-0143-1

| wall thickness | overall length | thread length | weight |
|----------------|----------------|---------------|--------|
| 3,5 - 10 mm | 25 mm | 23.5 mm | 25 g |

suitable for:

midi jet: P-0016, P-0016-L, P-0016-R, P-0016-A, P-0016-2-L, P-0016-2-R, P-0016-3-L, P-0016-3-R, P-0216, P-0017, P-0017-L, P-0017-R, P-0017-A, P-0017-2-L, P-0017-2-R, P-0017-3-L, P-0017-3-R, P-0017-4-L, P-0017-4-R, P-0017-6, P-0017-7
mini jet: P-0012, P-0013, P-0011
midi clip jet: P-1017, P-1017-L, P-1017-R, P-1117
cartridge jet: P-11208-L, P-11208-R, P-11608-L, P-11608-R, P-11212-1-L, P-11212-1-R, P-23212

C-M20111-10

WILL BE DISCONTINUED



Flatline midi cluster jet body M20112-10

with drain of the remaining water

material: brass / plastic
outside Ø: 50 mm
drill Ø: 41 mm
key: P-0143-10

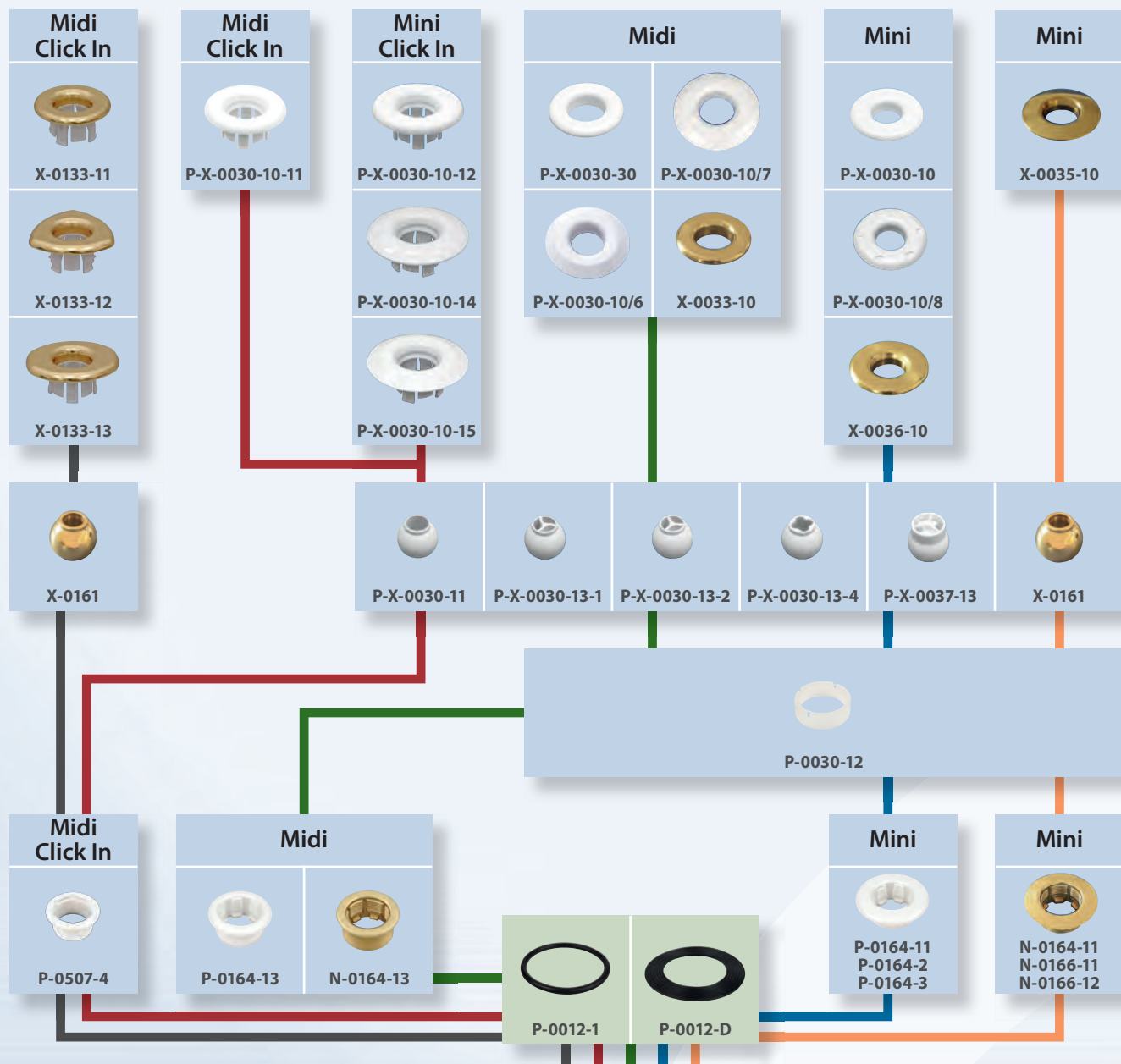
| wall thickness | overall length | thread length | weight |
|----------------|----------------|---------------|--------|
| 3,5 - 10 mm | 22.5 mm | 21 mm | 28 g |

suitable for:


midi jet: P-0016, P-0016-L, P-0016-R, P-0016-A, P-0016-2-L, P-0016-2-R, P-0016-3-L, P-0016-3-R, P-0216, P-0017, P-0017-L, P-0017-R, P-0017-A, P-0017-2-L, P-0017-2-R, P-0017-3-L, P-0017-3-R, P-0017-4-L, P-0017-4-R, P-0017-6, P-0017-7
mini jet: P-0012, P-0013, P-0011
midi clip jet: P-1017, P-1017-L, P-1017-R, P-1117
cartridge jet: P-11208-L, P-11208-R, P-11608-L, P-11608-R, P-11212-1-L, P-11212-1-R, P-23212
swivel jet: P-0021
two way valve: P-73032-9, P-73132-9
multi way valve: P-73232-9
future jet: P-0025, P-0025-08

C-M20112-10

Midi jet / Mini jet - structure



The suitable fittings and distributors for the pipe work are found in the chapter „Fitting“.
Please replace the X by the desired color code shown on the inside front cover legend!

| JET | Order No. |
|---|---|
|  <p>Midi click in cover 0030-10-11 material: plastic cover Ø: 58 mm key: P-0030-10-20 weight: 9 g</p> <p>suitable for: jet body: P-0507-4, P-2017-11</p> <p>The specified key is used only in combination with the plastic ball P-X-0030-11. suitable balls see page 7.31 - 7.32</p> | P-W-0030-10-11 P-C-0030-10-11 |
| <div>WILL BE DISCONTINUED</div>  <p>Midi click in cover 0133-11 material: brass / plastic cover Ø: 53 mm key: P-0030-10-20 weight: 33 g</p> <p>suitable for: jet body: P-0507-4, P-2017-11</p> <p>suitable ball: X-0161</p> | C-0133-11 B-0133-11 GP-0133-11 W-0133-11 |
| <div>WILL BE DISCONTINUED</div>  <p>Midi click in cover 0133-12 material: brass / plastic cover: triangle form key: P-0030-10-20 weight: 54 g</p> <p>suitable for: jet body: P-0507-4, P-2017-11</p> <p>suitable ball: X-0161</p> | C-0133-12 B-0133-12 GP-0133-12 W-0133-12 |
| <div>WILL BE DISCONTINUED</div>  <p>Midi click in cover 0133-13 material: brass / plastic cover: oval form key: P-0030-10-20 weight: 51 g</p> <p>suitable for: jet body: P-0507-4, P-2017-11</p> <p>suitable ball: X-0161</p> | C-0133-13 B-0133-13 GP-0133-13 W-0133-13 |
|  <p>Midi cover 0030-30 material: plastic cover Ø: 53 mm key: P-0143-11 weight: 6 g</p> <p>suitable for: jet body: P-0164-13, X-0164-13</p> <p>suitable balls see page 7.31 - 7.32</p> | P-W-0030-30 P-C-0030-30 |

| JET | Order No. |
|---|---|
|  <p>Midi cover 0030-10-7 material: plastic cover Ø: 63 mm key: P-0143-11 weight: 7 g</p> <p>suitable for: jet body: P-0164-13, X-0164-13</p> <p>suitable balls see page 7.31 - 7.32</p> | P-W-0030-10-7 P-C-0030-10-7 |
|  <p>Midi cover 0030-10-6 material: plastic cover Ø: 67 mm key: P-0143-11 weight: 7 g</p> <p>suitable for: jet body: P-0164-13, X-0164-13</p> <p>suitable balls see page 7.31 - 7.32</p> | P-W-0030-10-6 P-C-0030-10-6 |
|  <p>Midi cover 0033-10 material: brass cover Ø: 53 mm key: P-0143-11 weight: 37 g</p> <p>suitable for: jet body: P-0164-13, X-0164-13</p> <p>suitable balls see page 7.31 - 7.32</p> | C-0033-10 B-0033-10 GP-0033-10 W-0033-10 |
|  <p>Mini click in cover 0030-10-12 material: plastic cover Ø: 64 mm key: P-0030-10-20 weight: 10 g</p> <p>suitable for: jet body: P-0507-4, P-2017-11</p> <p>The specified key is used only in combination with the plastic ball P-X-0030-11. suitable balls see page 7.31 - 7.32</p> | P-W-0030-10-12 P-C-0030-10-12 |
|  <p>Mini click in cover 0030-10-14 material: plastic cover Ø: 66 mm key: P-0030-10-20 weight: 10 g</p> <p>suitable for: jet body: P-0507-4, P-2017-11</p> <p>The specified key is used only in combination with the plastic ball P-X-0030-11. suitable balls see page 7.31 - 7.32</p> | P-W-0030-10-14 P-C-0030-10-14 |

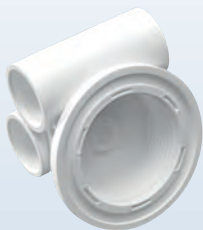


| JET | Order No. |
|--|--|
|  <p>Ball 0030-11 material: plastic weight: 5 g</p> <p>suitable plastic ring: P-0030-12</p> | <p>P-W-0030-11 P-C-0030-11</p> |
| <p>WILL BE DISCONTINUED</p>  <p>Ball P-T-0030-11 material: plastic weight: 6 g</p> <p>suitable plastic ring: P-0030-12</p> | <p>P-T-0030-11</p> |
|  <p>Ball 0030-13-1 material: plastic weight: 6 g</p> <p>suitable plastic ring: P-0030-12</p> | <p>P-W-0030-13-1 P-C-0030-13-1</p> |
|  <p>Ball 0030-13-2 material: plastic weight: 6 g</p> <p>suitable plastic ring: P-0030-12</p> | <p>P-W-0030-13-2 P-C-0030-13-2</p> |
| <p>WILL BE DISCONTINUED</p>  <p>Ball 0030-13-4 material: plastic weight: 6 g</p> <p>suitable plastic ring: P-0030-12</p> | <p>P-W-0030-13-4 P-C-0030-13-4</p> |

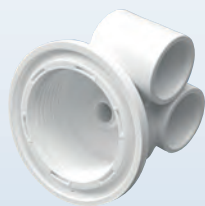
| JET | | | | Order No. | | | | | | | | |
|---|---|--|----------------|---------------------------------------|---------------|--------|----------|-------|-------|------|--|----------|
|  | <p>Ball rotating 0037-13</p> <p>material: plastic weight: 8 g</p> <p>suitable plastic ring: P-0030-12</p> | | | P-W-0037-13 P-C-0037-13 | | | | | | | | |
|  | <p>Ball 0161</p> <p>material: brass weight: 56 g</p> <p>suitable plastic ring: P-0030-12</p> | | | C-0161 B-0161 GP-0161 W-0161 | | | | | | | | |
|  | <p>Plastic ring 0030-12</p> <p>material: plastic weight: 1 g</p> <p>suitable for: all balls and balls rotating made of plastic ball made of brass</p> | | | P-0030-12 | | | | | | | | |
|  | <p>Midi click in jet body 0507-4</p> <p>material: plastic outside Ø: 50 mm drill Ø: 41 mm key: P-0401-20</p> <p>suitable for: midi jet: series 0X16, series 0017 midi clip jet: series 1X17 cartridge jet: 23212, series 11X08, series 11212 mini jet: 0012, 0013, 0011</p> | <table><tr><th>wall thickness</th><th>overall length</th><th>thread length</th><th>weight</th></tr><tr><td>3 - 9 mm</td><td>25 mm</td><td>22 mm</td><td>10 g</td></tr></table> | wall thickness | overall length | thread length | weight | 3 - 9 mm | 25 mm | 22 mm | 10 g | | P-0507-4 |
| wall thickness | overall length | thread length | weight | | | | | | | | | |
| 3 - 9 mm | 25 mm | 22 mm | 10 g | | | | | | | | | |

| JET | | Order No. | | | | | | | | | | | | | | | | |
|---|--|----------------|----------------|---------------|--------|----------|-------|-------|-------|------------|-------|-------|-------|------------|-------|-------|-------|-------------------------------------|
|  | <p>Midi jet body P-0164-13</p> <p>with drain of the remaining water</p> <p>material: plastic outside Ø: 50 mm drill Ø: 41 mm key: P-0143-10 N-0143-1</p> <table><tr><th>wall thickness</th><th>overall length</th><th>thread length</th><th>weight</th></tr><tr><td>3 - 9 mm</td><td>23 mm</td><td>20 mm</td><td>11 g</td></tr></table> <p>suitable for: midi jet: series 0X16, series 0017 midi clip jet: series 1X17 cartridge jet: 23212, series 11X08, series 11212 mini jet: 0012, 0013, 0011 future jet: P-0025, P-0025-08 two way valve: P-73032-9, P-73132-9 multiway valve: P-73232-9</p> | wall thickness | overall length | thread length | weight | 3 - 9 mm | 23 mm | 20 mm | 11 g | P-0164-13 | | | | | | | | |
| wall thickness | overall length | thread length | weight | | | | | | | | | | | | | | | |
| 3 - 9 mm | 23 mm | 20 mm | 11 g | | | | | | | | | | | | | | | |
| <div>WILL BE DISCONTINUED</div>  | <p>Midi jet body N-0164-13</p> <p>with drain of the remaining water</p> <p>material: brass outside Ø: 50 mm drill Ø: 41 mm key: P-0143-10 N-0143-1</p> <table><tr><th>wall thickness</th><th>overall length</th><th>thread length</th><th>weight</th></tr><tr><td>3 - 9 mm</td><td>25 mm</td><td>22 mm</td><td>105 g</td></tr></table> <p>suitable for: midi jet: series 0X16, series 0017 midi clip jet: series 1X17 cartridge jet: 23212, series 11X08, series 11212 mini jet: 0012, 0013, 0011 future jet: P-0025, P-0025-08 two way valve: P-73032-9, P-73132-9 multiway valve: P-73232-9</p> | wall thickness | overall length | thread length | weight | 3 - 9 mm | 25 mm | 22 mm | 105 g | N-0164-13 | | | | | | | | |
| wall thickness | overall length | thread length | weight | | | | | | | | | | | | | | | |
| 3 - 9 mm | 25 mm | 22 mm | 105 g | | | | | | | | | | | | | | | |
|  | <p>Mini jet body series 0164-X</p> <p>with drain of the remaining water</p> <p>material: plastic outside Ø: 60 mm drill Ø: 41 mm key: P-0143-10 N-0143-1</p> <table><tr><th>wall thickness</th><th>overall length</th><th>thread length</th><th>weight</th></tr><tr><td>3 - 9 mm</td><td>23 mm</td><td>20 mm</td><td>13 g</td></tr><tr><td>18 - 24 mm</td><td>41 mm</td><td>38 mm</td><td>18 g</td></tr><tr><td>33 - 39 mm</td><td>56 mm</td><td>53 mm</td><td>25 g</td></tr></table> <p>suitable for: midi jet: series 0X16, series 0017 midi clip jet: series 1X17 cartridge jet: 23212, series 11X08, series 11212 mini jet: 0012, 0013, 0011</p> | wall thickness | overall length | thread length | weight | 3 - 9 mm | 23 mm | 20 mm | 13 g | 18 - 24 mm | 41 mm | 38 mm | 18 g | 33 - 39 mm | 56 mm | 53 mm | 25 g | P-0164-11 P-0164-2 P-0164-3 |
| wall thickness | overall length | thread length | weight | | | | | | | | | | | | | | | |
| 3 - 9 mm | 23 mm | 20 mm | 13 g | | | | | | | | | | | | | | | |
| 18 - 24 mm | 41 mm | 38 mm | 18 g | | | | | | | | | | | | | | | |
| 33 - 39 mm | 56 mm | 53 mm | 25 g | | | | | | | | | | | | | | | |
|  | <p>Mini jet body series 016X-11</p> <p>with drain of the remaining water</p> <p>material: brass outside Ø: 60 mm drill Ø: 41 mm key: P-0143-10 N-0143-1</p> <table><tr><th>wall thickness</th><th>overall length</th><th>thread length</th><th>weight</th></tr><tr><td>3 - 9 mm</td><td>23 mm</td><td>20 mm</td><td>106 g</td></tr><tr><td>18 - 23 mm</td><td>38 mm</td><td>35 mm</td><td>152 g</td></tr><tr><td>28 - 33 mm</td><td>48 mm</td><td>45 mm</td><td>159 g</td></tr></table> <p>suitable for: midi jet: series 0X16, series 0017 midi clip jet: series 1X17 cartridge jet: 23212, series 11X08, series 11212 mini jet: 0012, 0013, 0011</p> | wall thickness | overall length | thread length | weight | 3 - 9 mm | 23 mm | 20 mm | 106 g | 18 - 23 mm | 38 mm | 35 mm | 152 g | 28 - 33 mm | 48 mm | 45 mm | 159 g | N-0164-11 N-0166-11 N-0166-12 |
| wall thickness | overall length | thread length | weight | | | | | | | | | | | | | | | |
| 3 - 9 mm | 23 mm | 20 mm | 106 g | | | | | | | | | | | | | | | |
| 18 - 23 mm | 38 mm | 35 mm | 152 g | | | | | | | | | | | | | | | |
| 28 - 33 mm | 48 mm | 45 mm | 159 g | | | | | | | | | | | | | | | |

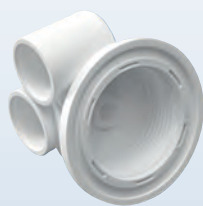
JET



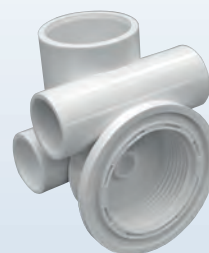
P-0016



P-0016-L



P-0016-R



P-0016-A



P-0016-2-L



P-0016-2-R



P-0016-3-L



P-0016-3-R



P-0216

MIDI JET SERIES 0X16

Order No.

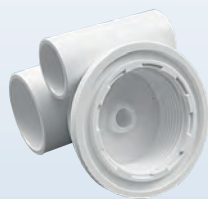
material: plastic
 adhesive socket Ø: 20 mm water
 20 mm air

| variant | weight | |
|--|--------|------------|
| through jet | 59 g | P-0016 |
| close jet left | 49 g | P-0016-L |
| close jet right | 49 g | P-0016-R |
| with Ø 32 mm connection for the direct supply of the pump outlet | 75 g | P-0016-A |
| water closed on the left - air passing | 55 g | P-0016-2-L |
| water closed on the right - air passing | 55 g | P-0016-2-R |
| water passing - air closed on the left | 53 g | P-0016-3-L |
| water passing - air closed on the right | 53 g | P-0016-3-R |
| through jet V-shape design | 59 g | P-0216 |

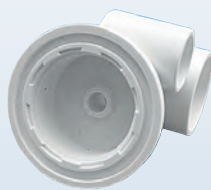
optionally available: flat packing P-0012-D or o-ring P-0012-1



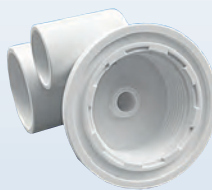
Main Catalogue system components for whirlpool tubs
 Technical specifications and printing errors are subject to change
 without prior notification. EN2122 © Copyright reserved.

JET


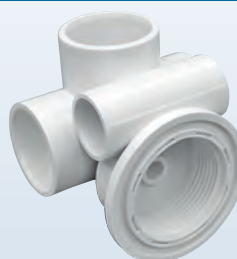
P-0017



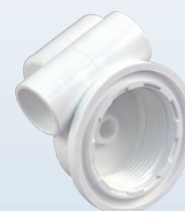
P-0017-L



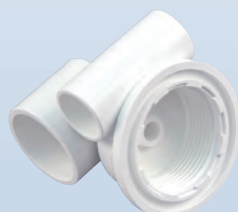
P-0017-R



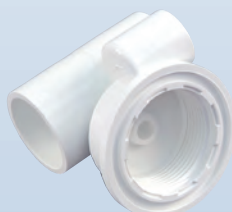
P-0017-A



P-0017-2-L



P-0017-2-R



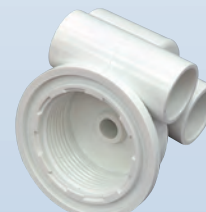
P-0017-3-L



P-0017-3-R



P-0017-4-L



P-0017-4-R



P-0017-6



P-0017-7

MIDI JET SERIES 0017
Order No.

material: plastic
adhesive socket Ø : 32 mm water
20 mm air

| variant | weight |
|---|--------|
| through jet | 77 g |
| close jet left | 58 g |
| close jet right | 58 g |
| with Ø 32 mm connection for the direct supply of the pump outlet | 91 g |
| water closed on the left - air passing | 63 g |
| water closed on the right - air passing | 63 g |
| water passing - air closed on the left | 72 g |
| water passing - air closed on the right | 72 g |
| 32/20 reduction jet left - water reduced to 20 mm | 68 g |
| 32/20 reduction jet right - water reduced to 20 mm | 68 g |
| through jet with connection for chain of effect lights cartridge Ø 6 mm | 78 g |
| through jet transparent with 2 way effect light connection | 82 g |

P-0017
P-0017-L
P-0017-R
P-0017-A
P-0017-2-L
P-0017-2-R
P-0017-3-L
P-0017-3-R
P-0017-4-L
P-0017-4-R
P-0017-6
P-0017-7

optionally available: flat packing P-0012-D or o-ring P-0012-1

| JET | Order No. |
|--|-----------|
|  <p>Mini jet 0012 material: plastic adhesive socket Ø: 32 mm water 20 mm air variant: through jet weight: 104 g</p> <p>optionally available: flat packing P-0012-D or o-ring P-0012-1</p> | P-0012 |
|  <p>Mini jet 0013 material: plastic adhesive socket Ø: 32 mm water 32 mm air variant: through jet weight: 152 g</p> <p>optionally available: flat packing P-0012-D or o-ring P-0012-1</p> | P-0013 |
|  <p>Mini jet 0011 material: plastic adhesive socket Ø: 32 mm water 32 mm air variant: through jet weight: 161 g</p> <p>optionally available: flat packing P-0012-D or o-ring P-0012-1</p> | P-0011 |
|  <p>Cartridge Jet 23212 material: plastic adhesive socket Ø: 32 mm water cartridge Ø: 12 mm air variant: through jet weight: 91 g</p> <p>optionally available: flat packing P-0012-D or o-ring P-0012-1</p> | P-23212 |

JET

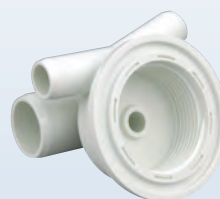

P-1017



P-1017-L



P-1017-R



P-1117

MIDI CLIP JET SERIES 1X17
Order No.

material: plastic
hose connection Ø: 25 mm water
15 mm air

| variant | weight |
|----------------------------|--------|
| through jet | 51 g |
| close jet left | 41 g |
| close jet right | 41 g |
| through jet V-shape design | 55 g |

P-1017
P-1017-L
P-1017-R
P-1117

optionally available: flat packing P-0012-D or o-ring P-0012-1



P-11208-L



P-11208-R



P-11608-L



P-11608-R

CARTRIDGE JET SERIES 11X08
Order No.

material: plastic
cartridge Ø: 8 mm air

| variant | cartridge Ø | weight |
|-----------------|-------------|--------|
| close jet left | 12 mm water | 54 g |
| close jet right | 12 mm water | 54 g |
| close jet left | 16 mm water | 55 g |
| close jet right | 16 mm water | 55 g |

P-11208-L
P-11208-R
P-11608-L
P-11608-R

optionally available: flat packing P-0012-D or o-ring P-0012-1

JET



P-11212-1-L

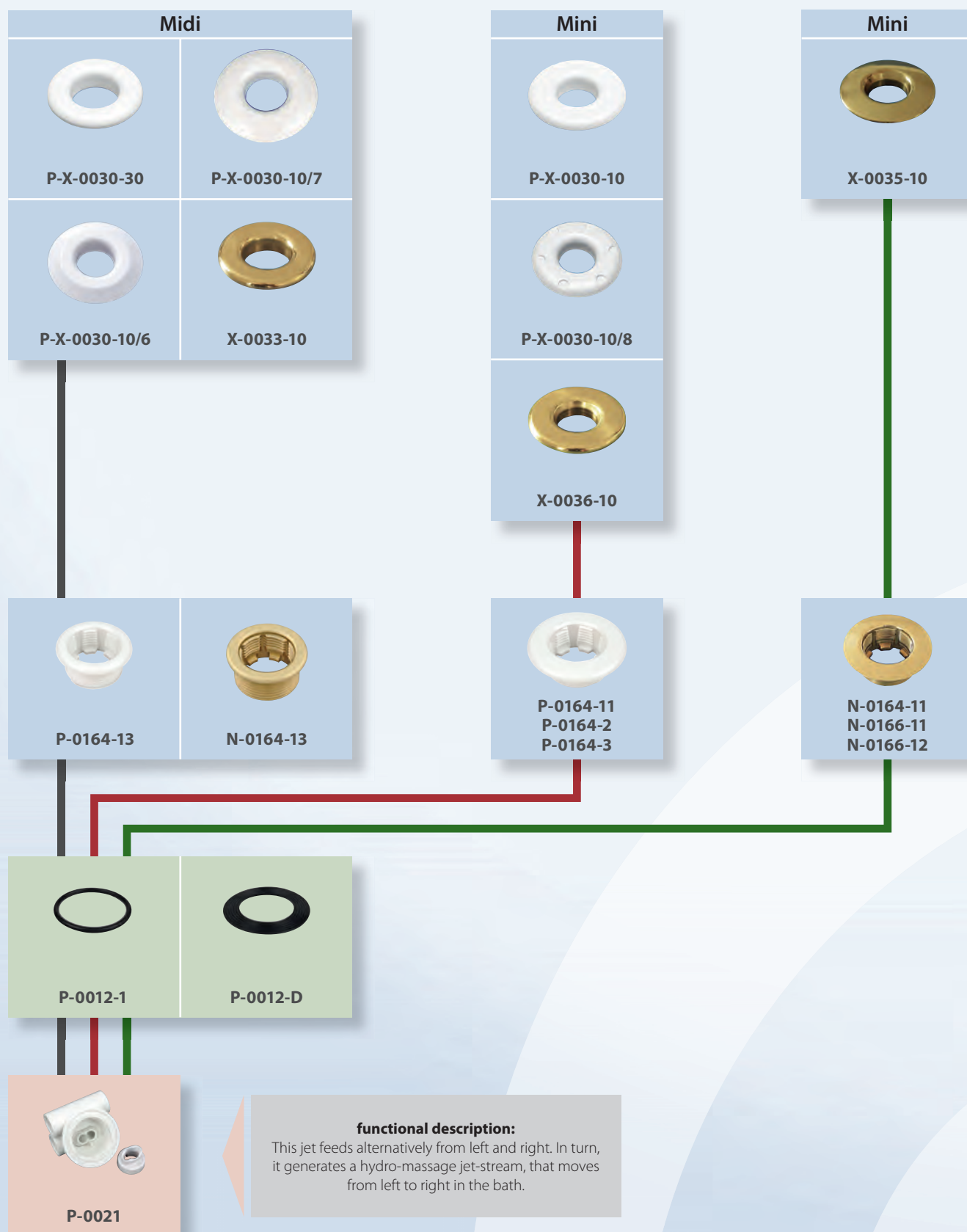


P-11212-1-R

| CARTRIDGE JET SERIES 11212 | | | Order No. |
|--|---|---------------|-------------|
| material: plastic cartridge Ø: 12 mm water 12 mm air | | | |
| | variant | weight | |
| | water closed on the left - air passing | 73 g | P-11212-1-L |
| | water closed on the right - air passing | 73 g | P-11212-1-R |
| optionally available: flat packing P-0012-D or o-ring P-0012-1 | | | |



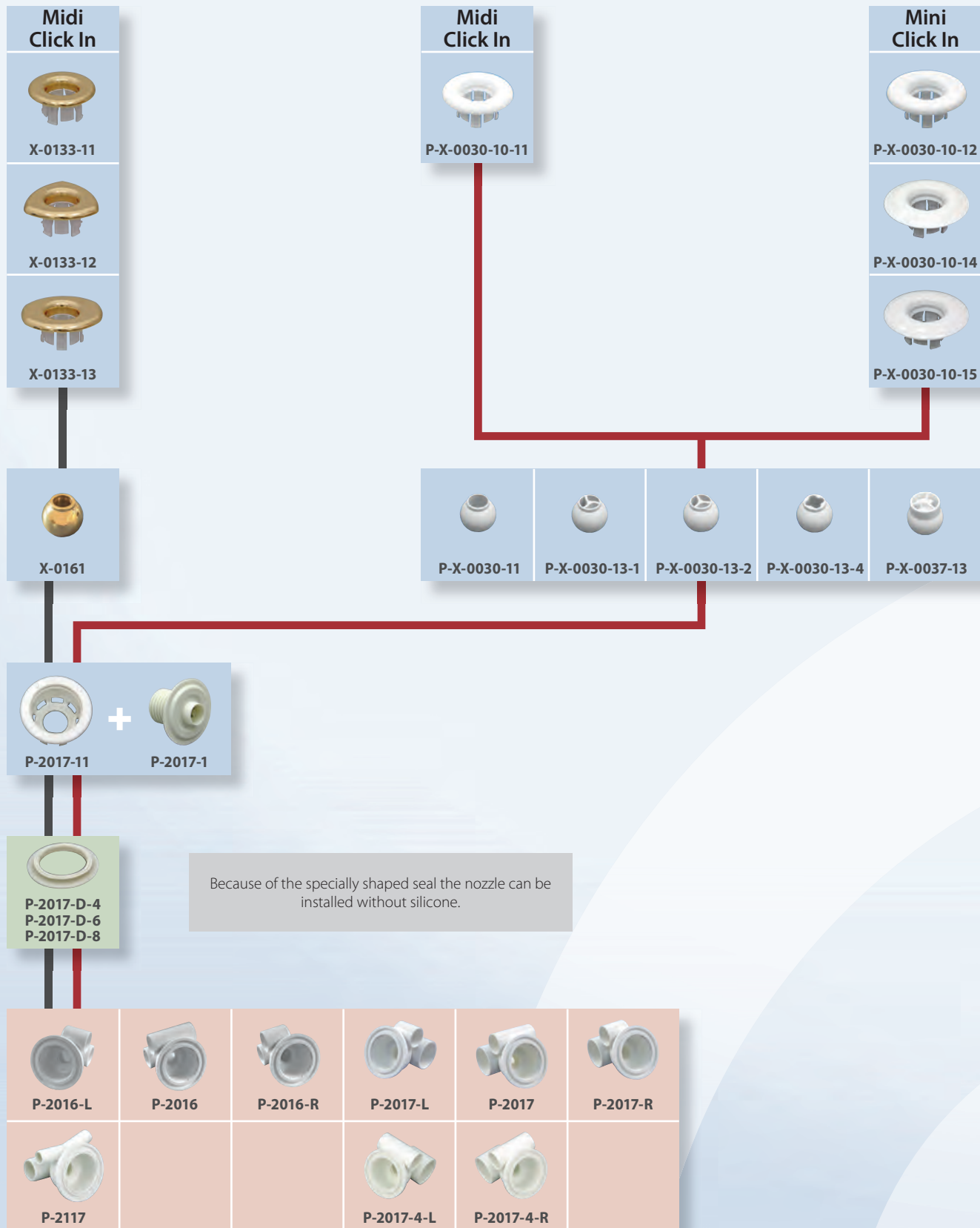
Midi jet / Mini jet swivel jet - structure



The suitable fittings and distributors for the pipe work are found in the chapter „Fitting“.
Please replace the X by the desired color code shown on the inside front cover legend!

| JET | Order No. |
|--|-----------|
|  <p>Swivel jet with integrated water exit</p> <p>material: plastic adhesive socket Ø: 20 mm water left / right separated 20 mm air passing variant: swivel jet weight: 82 g</p> <p>Functional description: This jet feeds alternatively from left and right. Resulting in a hydro-massage jet-stream, that moves from left to right in the bath.</p> | P-0021 |
|  <p>Flat packing 0012-D for midi, mini, future jet</p> <p>outside Ø: 66 mm thickness: 2 mm weight: 6 g</p> <p>suitable for: series P-0X16, P-0017, P-0011, P-0012, P-0013, P-1X17, P-11X08, P-11212, P-23212, P-0021, P-0025</p> | P-0012-D |
|  <p>O-ring 0012-1 for midi, mini, future jet</p> <p>dimension: 48 x 4 mm weight: 3 g</p> <p>suitable for: series P-0X16, P-0017, P-0011, P-0012, P-0013, P-1X17, P-11X08, P-11212, P-23212, P-0021, P-0025</p> | P-0012-1 |

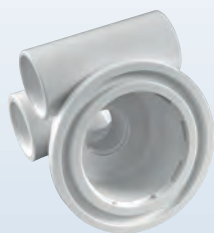
Midi jet / Mini jet c-tech - structure (Installation without silicon!)



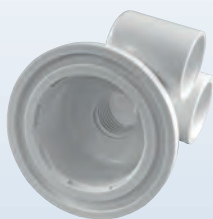
The suitable fittings and distributors for the pipe work are found in the chapter „Fitting“.
Please replace the X by the desired color code shown on the inside front cover legend!

| JET | Order No. | | | | | | | | |
|--|----------------|--------|------------|-----|------------|-----|------------|-----|--|
|  <p>Midi c-tech jet body 2017-11 material: plastic drill Ø: 43 mm overall length: 28 mm weight: 9 g</p> <p>suitable for: midi c-tech connection part: P-2017-1 midi c-tech jet: series 2016, 2017 Midi clip jet c-tech: P-2117</p> | P-2017-11 | | | | | | | | |
|  <p>Midi c-tech connection part 2017-1 material: plastic outside Ø: 33 mm length: 26 mm key: WZ-2017-20 P-2017-20 weight: 6 g</p> <p>suitable for: midi c-tech jet body: P-2017-11</p> | P-2017-1 | | | | | | | | |
|  <p>Midi c-tech packing series 2017</p> <table> <thead> <tr> <th>wall thickness</th><th>weight</th></tr> </thead> <tbody> <tr> <td>up to 4 mm</td><td>6 g</td></tr> <tr> <td>up to 6 mm</td><td>6 g</td></tr> <tr> <td>up to 8 mm</td><td>6 g</td></tr> </tbody> </table> <p>suitable for: series P-2016, P-2017</p> | wall thickness | weight | up to 4 mm | 6 g | up to 6 mm | 6 g | up to 8 mm | 6 g | P-2017-D-4 P-2017-D-6 P-2017-D-8 |
| wall thickness | weight | | | | | | | | |
| up to 4 mm | 6 g | | | | | | | | |
| up to 6 mm | 6 g | | | | | | | | |
| up to 8 mm | 6 g | | | | | | | | |
|  <p>Midi clip jet c-tech 2117 material: plastic hose connection Ø: 25 mm water 15 mm air variant: through jet V-shape design weight: 56 g</p> <p>suitable midi c-tech sealing in the desired dimension absolutely necessary No silicon necessary!</p> | P-2117 | | | | | | | | |

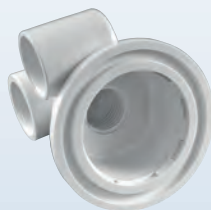
JET



P-2016



P-2016-L



P-2016-R

MIDI C-TECH JET SERIES 2016

material: plastic
adhesive socket Ø: 20 mm water
20 mm air

| variant | weight |
|-----------------|--------|
| through jet | 64 g |
| close jet left | 52 g |
| close jet right | 52 g |

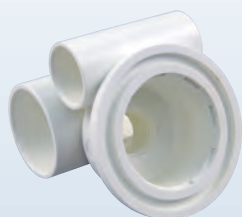
P-2016
P-2016-L
P-2016-R

suitable midi c-tech sealing in the desired dimension absolutely necessary

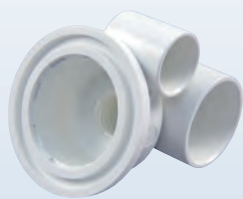
No silicon necessary!

Order No.

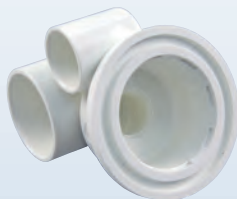
JET



P-2017



P-2017-L



P-2017-R



P-2017-4-L



P-2017-4-R

MIDI C-TECH JET SERIES 2017

Order No.

material: plastic
 adhesive socket Ø: 32 mm water
 20 mm air

| variant | weight |
|--|--------|
| through jet | 73 g |
| close jet left | 58 g |
| close jet right | 58 g |
| 32/20 reduction jet left - water reduced to 20 mm | 69 g |
| 32/20 reduction jet right - water reduced to 20 mm | 69 g |

P-2017
 P-2017-L
 P-2017-R
 P-2017-4-L
 P-2017-4-R

suitable midi c-tech sealing in the desired dimension absolutely necessary

No silicon necessary!



Main Catalogue system components for whirlpool tubs
 Technical specifications and printing errors are subject to change
 without prior notification. EN2122 © Copyright reserved.

Water jet Flatline - structure 1

Nano Jet



C-0764-1
C-0764-2
C-0764-3
C-0764-4

Micro Small Multi Jet



C-M00190
C-M00190-1



C-M00170



P-0764-08
P-0764-08-L



P-0146-08

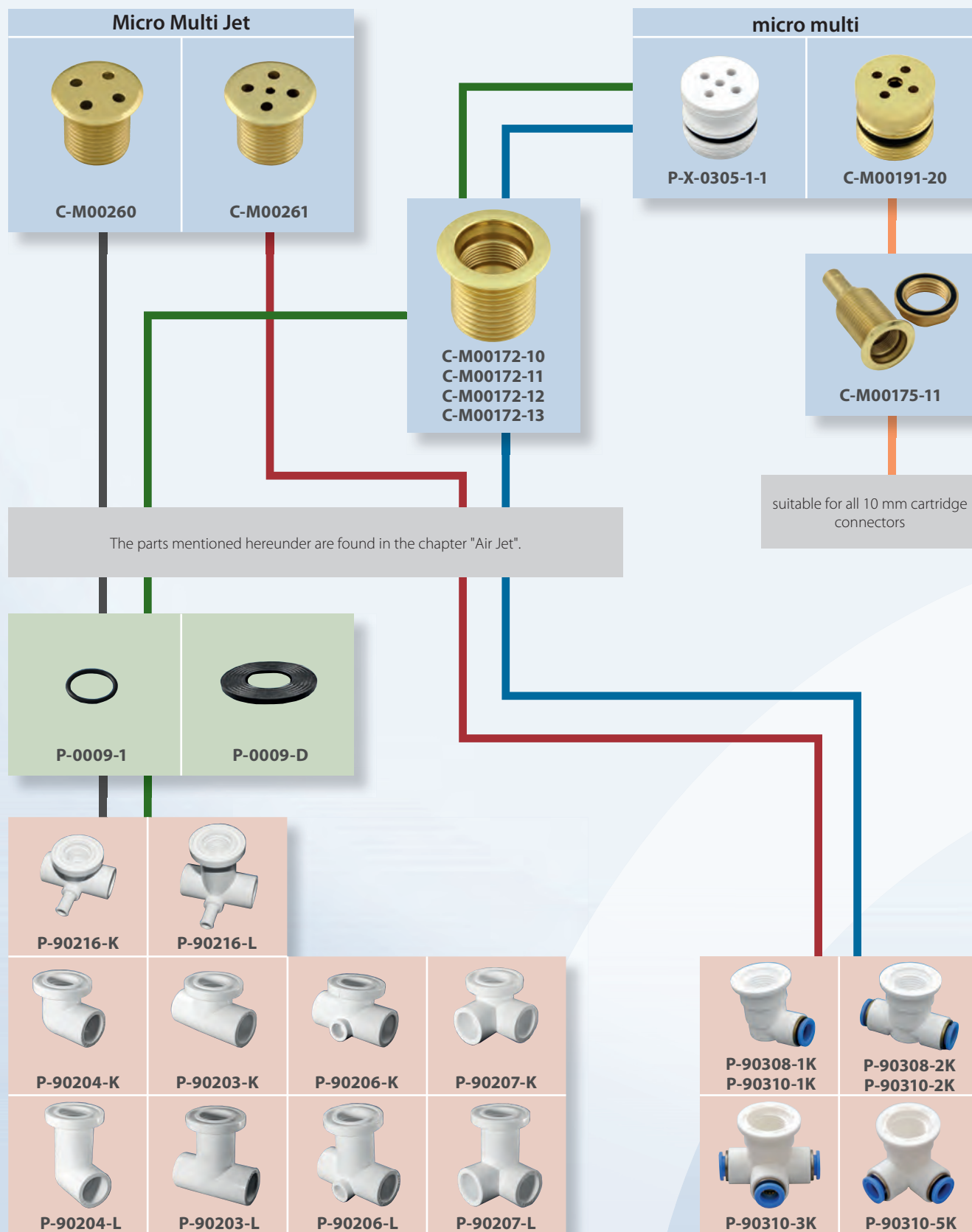


P-0147-08

The suitable fittings and distributors for the pipe work are found in the chapter „Fitting“.

| JET | | Order No. | | | | | | | | | | | | | | | | | | | | |
|---|--|----------------|----------------|---------------|--------|-------------|---------|----------------------------------|-------|-----------------|-------|---------|------|--------------------------------|-------|-------|-------|------------|-------|-------|-----|--|
|  | <p>Nano jet series 0764-X</p> <p>material: brass outside Ø: 9 mm thread: M6 outside thread drill Ø: 6 mm wrench size: 2.5 mm hexagonal (hex key)</p> <table><tr><th>wall thickness</th><th>overall length</th><th>thread length</th><th>weight</th></tr><tr><td>2,5 - 11 mm</td><td>19 mm</td><td>18 mm</td><td>3.5 g</td></tr><tr><td>10 - 19 mm</td><td>28 mm</td><td>27 mm</td><td>4 g</td></tr><tr><td>16 - 25 mm</td><td>35 mm</td><td>34 mm</td><td>4.5 g</td></tr><tr><td>21 - 30 mm</td><td>40 mm</td><td>39 mm</td><td>6 g</td></tr></table> <p>suitable for: connection part: P-0764-08, P-0764-08-L</p> | wall thickness | overall length | thread length | weight | 2,5 - 11 mm | 19 mm | 18 mm | 3.5 g | 10 - 19 mm | 28 mm | 27 mm | 4 g | 16 - 25 mm | 35 mm | 34 mm | 4.5 g | 21 - 30 mm | 40 mm | 39 mm | 6 g | <p>C-0764-1 C-0764-2 C-0764-3 C-0764-4</p> |
| wall thickness | overall length | thread length | weight | | | | | | | | | | | | | | | | | | | |
| 2,5 - 11 mm | 19 mm | 18 mm | 3.5 g | | | | | | | | | | | | | | | | | | | |
| 10 - 19 mm | 28 mm | 27 mm | 4 g | | | | | | | | | | | | | | | | | | | |
| 16 - 25 mm | 35 mm | 34 mm | 4.5 g | | | | | | | | | | | | | | | | | | | |
| 21 - 30 mm | 40 mm | 39 mm | 6 g | | | | | | | | | | | | | | | | | | | |
|  | <p>Connection part 90° with cartridge series 0764-08</p> <p>material: plastic thread: M6 inside thread cartridge Ø: 8 mm</p> <table><tr><th>height</th><th>weight</th></tr><tr><td>31 mm</td><td>7 g</td></tr><tr><td>43 mm</td><td>8 g</td></tr></table> <p>inclusive: o-ring (8 x 2,5 mm)</p> <p>suitable for: nano jet: series 0764-X</p> | height | weight | 31 mm | 7 g | 43 mm | 8 g | <p>P-0764-08 P-0764-08-L</p> | | | | | | | | | | | | | | |
| height | weight | | | | | | | | | | | | | | | | | | | | | |
| 31 mm | 7 g | | | | | | | | | | | | | | | | | | | | | |
| 43 mm | 8 g | | | | | | | | | | | | | | | | | | | | | |
|  | <p>Flatline micro small multi jet series M00190</p> <p>material: brass water or air outlet: 1 hole outside Ø: 18 mm thread: M12 outside thread drill Ø: 12 mm wrench size: 4 mm hexagonal (hex key)</p> <table><tr><th>wall thickness</th><th>overall length</th><th>thread length</th><th>weight</th></tr><tr><td>2 - 9 mm</td><td>19.5 mm</td><td>18 mm</td><td>9 g</td></tr><tr><td>18 - 25 mm</td><td>38 mm</td><td>36.5 mm</td><td>15 g</td></tr></table> <p>suitable for: connection part: P-0146-08 tee connection part: P-0147-08</p> | wall thickness | overall length | thread length | weight | 2 - 9 mm | 19.5 mm | 18 mm | 9 g | 18 - 25 mm | 38 mm | 36.5 mm | 15 g | <p>C-M00190 C-M00190-1</p> | | | | | | | | |
| wall thickness | overall length | thread length | weight | | | | | | | | | | | | | | | | | | | |
| 2 - 9 mm | 19.5 mm | 18 mm | 9 g | | | | | | | | | | | | | | | | | | | |
| 18 - 25 mm | 38 mm | 36.5 mm | 15 g | | | | | | | | | | | | | | | | | | | |
|  | <p>Flatline micro small multi jet M00170</p> <p>material: brass water or air outlet: 5 hole outside Ø: 18 mm thread: M12 outside thread drill Ø: 12 mm wrench size: 2.5 mm hexagonal (hex key)</p> <table><tr><th>wall thickness</th><th>overall length</th><th>thread length</th><th>weight</th></tr><tr><td>2 - 9 mm</td><td>19.5 mm</td><td>18 mm</td><td>9 g</td></tr></table> <p>suitable for: connection part: P-0146-08 tee connection part: P-0147-08</p> | wall thickness | overall length | thread length | weight | 2 - 9 mm | 19.5 mm | 18 mm | 9 g | <p>C-M00170</p> | | | | | | | | | | | | |
| wall thickness | overall length | thread length | weight | | | | | | | | | | | | | | | | | | | |
| 2 - 9 mm | 19.5 mm | 18 mm | 9 g | | | | | | | | | | | | | | | | | | | |

Water jet Flatline - structure 2



The suitable fittings and distributors for the pipe work are found in the chapter „Fitting“.

Please replace the X by the desired color code shown on the inside front cover legend!

JET

WILL BE DISCONTINUED



Flatline micro multi jet M00260

material:brass

water or air outlet:4 hole

outside Ø:28 mm

thread:1/2" outside thread

drill Ø:22 mm

key:P-M00260-50

wall thickness

overall length

thread length

weight

3,5 - 12 mm

23.5 mm

22 mm

30 g

suitable for:

elbow 90°:
tee:

P-90204-K, P-90204-L
P-90203-K, P-90203-L, P-90206-K,
P-90206-L, P-90216-K, P-90216-L
P-90207-K, P-90207-L

double elbow 90°:
connection part 90° with cartridge:

P-90308-1K, P-90310-1K

tee connection part with cartridge:

P-90308-2K, P-90310-2K

elbow connection part with cartridge:

P-90310-5K

3-fold connection part with cartridge:

P-90310-3K

C-M00260



Flatline micro multi jet series M00261

material:brass

water or air outlet:5 hole

outside Ø:28 mm

thread:1/2" outside thread

drill Ø:22 mm

key:P-M00260-50

wall thickness

overall length

thread length

weight

3,5 - 12 mm

23.5 mm

22 mm

30 g

suitable for:

elbow 90°:
tee:

P-90204-K, P-90204-L
P-90203-K, P-90203-L, P-90206-K,
P-90206-L, P-90216-K, P-90216-L
P-90207-K, P-90207-L

double elbow 90°:
connection part 90° with cartridge:

P-90308-1K, P-90310-1K

tee connection part with cartridge:

P-90308-2K, P-90310-2K




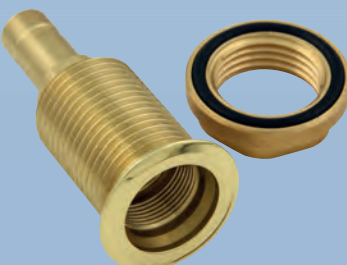
elbow connection part with cartridge:

P-90310-5K

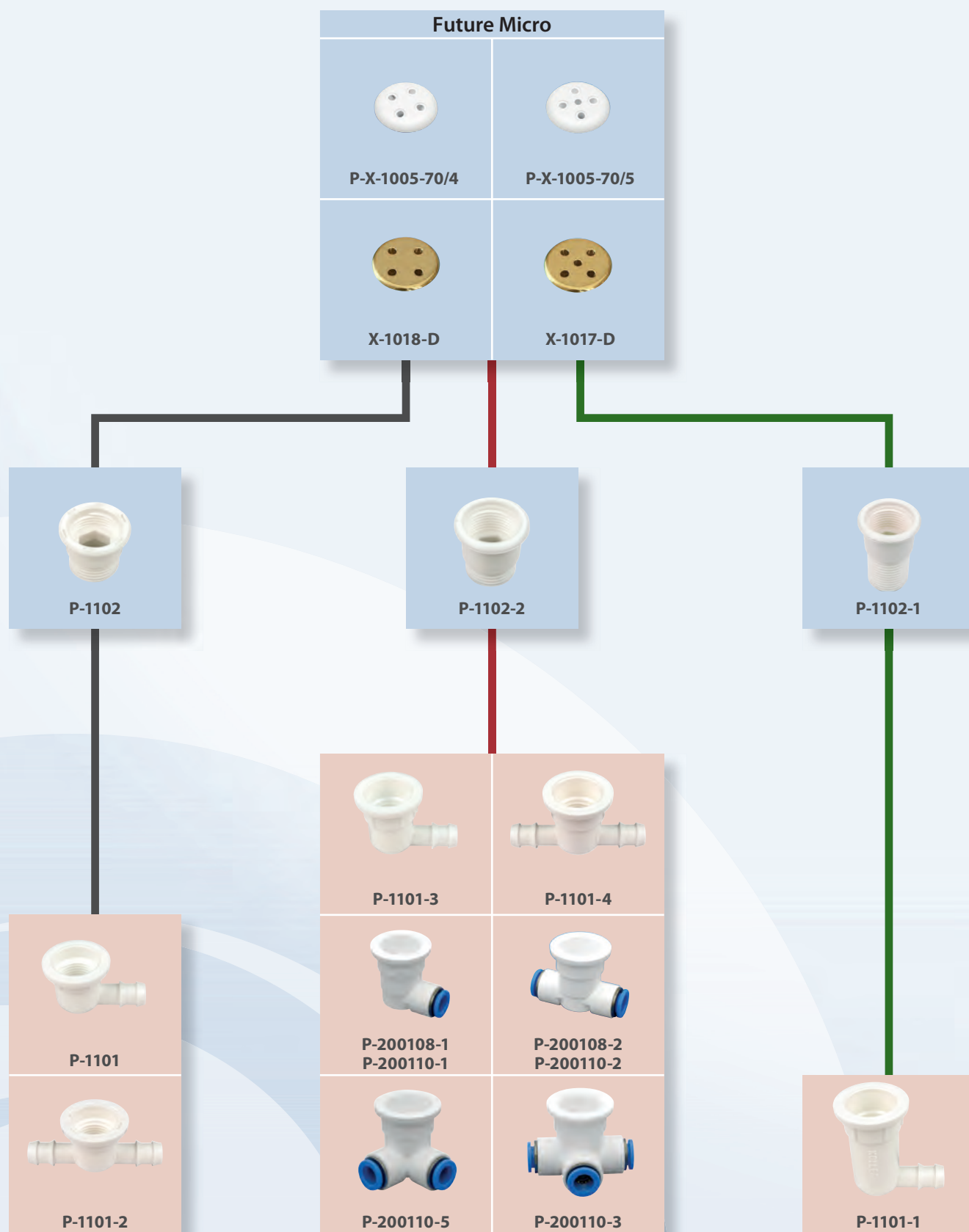
3-fold connection part with cartridge:

P-90310-3K

C-M00261

| JET | | Order No. | | | | | | | | | | | | | | | | | | | | |
|---|--|------------------------------|----------------|---------------|--------|-----------|-------|-------|------|-------------|-------|-------|------|------------|-------|-------|------|------------|-------|-------|------|--|
|  | <p>Flatline inner part 0305-1-1</p> <p>material: plastic water or air outlet: 5 hole key: P-M00172-50 weight: 2 g</p> <p>inclusive: o-ring (12,1 x 1,6 mm)</p> <p>suitable for: Flatline multi jet body: C-M00172-10, C-M00172-11, C-M00172-12, C-M00172-13, C-M00175-11</p> | P-W-0305-1-1 P-C-0305-1-1 | | | | | | | | | | | | | | | | | | | | |
|  | <p>Flatline inner part M00191-20</p> <p>material: brass water or air outlet: 5 hole wrench size: 2.5 mm hexagonal (hex key) weight: 11 g</p> <p>inclusive: o-ring (12,1 x 1,6 mm)</p> <p>suitable for: Flatline multi jet body: C-M00172-10, C-M00172-11, C-M00172-12, C-M00172-13, C-M00175-11</p> | C-M00191-20 | | | | | | | | | | | | | | | | | | | | |
|  | <p>Flatline multi jet body series M00172-XX</p> <p>material: brass outside Ø: 27 mm thread: 1/2" outside thread drill Ø: 22 mm key: N-0144</p> <table><tr><th>wall thickness</th><th>overall length</th><th>thread length</th><th>weight</th></tr><tr><td>3 - 11 mm</td><td>23 mm</td><td>22 mm</td><td>24 g</td></tr><tr><td>14 - 22 mm</td><td>34 mm</td><td>33 mm</td><td>33 g</td></tr><tr><td>20 - 27 mm</td><td>39 mm</td><td>38 mm</td><td>37 g</td></tr><tr><td>26 - 33 mm</td><td>47 mm</td><td>45 mm</td><td>43 g</td></tr></table> <p>suitable for: elbow 90°: P-90204-K, P-90204-L tee: P-90203-K, P-90203-L, P-90206-K, P-90206-L, P-90216-K, P-90216-L P-90207-K, P-90207-L double elbow 90°: P-90308-1K, P-90310-1K connection part 90° with cartridge: P-90308-2K, P-90310-2K tee connection part with cartridge: P-90310-5K elbow connection part with cartridge: P-90310-3K 3-fold connection part with cartridge:</p> | wall thickness | overall length | thread length | weight | 3 - 11 mm | 23 mm | 22 mm | 24 g | 14 - 22 mm | 34 mm | 33 mm | 33 g | 20 - 27 mm | 39 mm | 38 mm | 37 g | 26 - 33 mm | 47 mm | 45 mm | 43 g | C-M00172-10 C-M00172-11 C-M00172-12 C-M00172-13 |
| wall thickness | overall length | thread length | weight | | | | | | | | | | | | | | | | | | | |
| 3 - 11 mm | 23 mm | 22 mm | 24 g | | | | | | | | | | | | | | | | | | | |
| 14 - 22 mm | 34 mm | 33 mm | 33 g | | | | | | | | | | | | | | | | | | | |
| 20 - 27 mm | 39 mm | 38 mm | 37 g | | | | | | | | | | | | | | | | | | | |
| 26 - 33 mm | 47 mm | 45 mm | 43 g | | | | | | | | | | | | | | | | | | | |
|  | <p>Flatline multi jet body M00175-11</p> <p>material: brass outside Ø: 27 mm drill Ø: 22 mm key: N-0144</p> <table><tr><th>wall thickness</th><th>overall length</th><th>thread length</th><th>weight</th></tr><tr><td>2 - 22 mm</td><td>58 mm</td><td>32 mm</td><td>69 g</td></tr></table> <p>inclusive: o-ring (21,89 x 2,62 mm) and nut</p> <p>suitable for: all 10 mm cartridge connectors</p> | wall thickness | overall length | thread length | weight | 2 - 22 mm | 58 mm | 32 mm | 69 g | C-M00175-11 | | | | | | | | | | | | |
| wall thickness | overall length | thread length | weight | | | | | | | | | | | | | | | | | | | |
| 2 - 22 mm | 58 mm | 32 mm | 69 g | | | | | | | | | | | | | | | | | | | |

Future Micro - structure



The suitable fittings and distributors for the pipe work are found in the chapter „Fitting“.
Please replace the X by the desired color code shown on the inside front cover legend!



Main Catalogue system components for whirlpool tubs
Technical specifications and printing errors are subject to change
without prior notification. EN2122 © Copyright reserved.

| JET | Order No. |
|---|---|
|  <p>Future cover micro 1005-70-4</p> <p>material: plastic outlet for water: 4 hole cover Ø: 30 mm key: P-0143-11 weight: 3 g</p> <p>suitable for: jet body: series 1102</p> | P-W-1005-70-4 P-C-1005-70-4 |
|  <p>Future cover micro 1005-70-5</p> <p>material: plastic outlet for water: 5 hole cover Ø: 30 mm key: P-0143-11 weight: 4 g</p> <p>suitable for: jet body: series 1102</p> | P-W-1005-70-5 P-C-1005-70-5 |
| <div>WILL BE DISCONTINUED</div>  <p>Future cover micro 1018-D</p> <p>material: brass outlet for water: 4 hole cover Ø: 30 mm key: P-0143-11 weight: 27 g</p> <p>suitable for: jet body: series 1102</p> | C-1018-D B-1018-D GP-1018-D W-1018-D |
|  <p>Future cover micro 1017-D</p> <p>material: brass outlet for water: 5 hole cover Ø: 30 mm key: P-0143-11 weight: 27 g</p> <p>suitable for: jet body: series 1102</p> | C-1017-D B-1017-D GP-1017-D W-1017-D |
|  <p>Jet body 1102</p> <p>material: plastic drill Ø: 24 mm key: N-0144</p> <p>suitable for: connection part 90°: P-1101 tee connection part: P-1101-2</p> <div> height weight 24 mm 3 g </div> | P-1102 |

| JET | Order No. |
|---|-----------|
|  <p>Jet body 1102-2 material: plastic drill Ø: 24 mm key: N-0144</p> <p>height weight 29 mm 4 g</p> <p>suitable for: connection part 90°: P-1101-3 tee connection part: P-1101-4 connection part 90° with cartridge: P-200108-1, P-200110-1 tee connection part with cartridge: P-200108-2, P-200110-2 elbow connection part with cartridge: P-200110-5 3-fold connection part with cartridge: P-200110-3</p> | P-1102-2 |
|  <p>Jet body 1102-1 material: plastic drill Ø: 24 mm key: N-0144</p> <p>height weight 42 mm 6 g</p> <p>suitable for: connection part 90°: P-1101-1</p> | P-1102-1 |
|  <p>Connection part 90° 1101 material: plastic connection: 1-fold hose connection Ø: 12 mm</p> <p>height weight 31 mm 8 g</p> <p>suitable for hose P-019</p> | P-1101 |
|  <p>Connection part 90° 1101-3 material: plastic connection: 1-fold hose connection Ø: 12 mm</p> <p>height weight 37 mm 9 g</p> <p>suitable for hose P-019</p> | P-1101-3 |

| JET | Order No. |
|--|-----------|
|  <p>Connection part 90° 1101-1 material: plastic connection: 1-fold hose connection Ø: 12 mm</p> <p>height weight 56.5 mm 12 g</p> <p>suitable for hose P-019</p> | P-1101-1 |
|  <p>Tee connection part 1101-2 material: plastic connection: 2-fold hose connection Ø: 12 mm</p> <p>height weight 31 mm 9 g</p> <p>suitable for hose P-019</p> | P-1101-2 |
|  <p>Tee connection part 1101-4 material: plastic connection: 2-fold hose connection Ø: 12 mm</p> <p>height weight 37 mm 10 g</p> <p>suitable for hose P-019</p> | P-1101-4 |
|  <p>Connection part 90° with cartridge series 2001XX-1 material: plastic thread: 1/2" inside thread height: 42 mm connection: 1-fold</p> <p>cartridge Ø weight 8 mm 13 g 10 mm 14 g</p> <p>P-200108-1 P-200110-1</p> | |
|  <p>Tee connection part with cartridge series 2001XX-2 material: plastic thread: 1/2" inside thread height: 42 mm connection: 2-fold</p> <p>cartridge Ø weight 8 mm 18 g 10 mm 19 g</p> <p>P-200108-2 P-200110-2</p> | |

Future Midi - structure

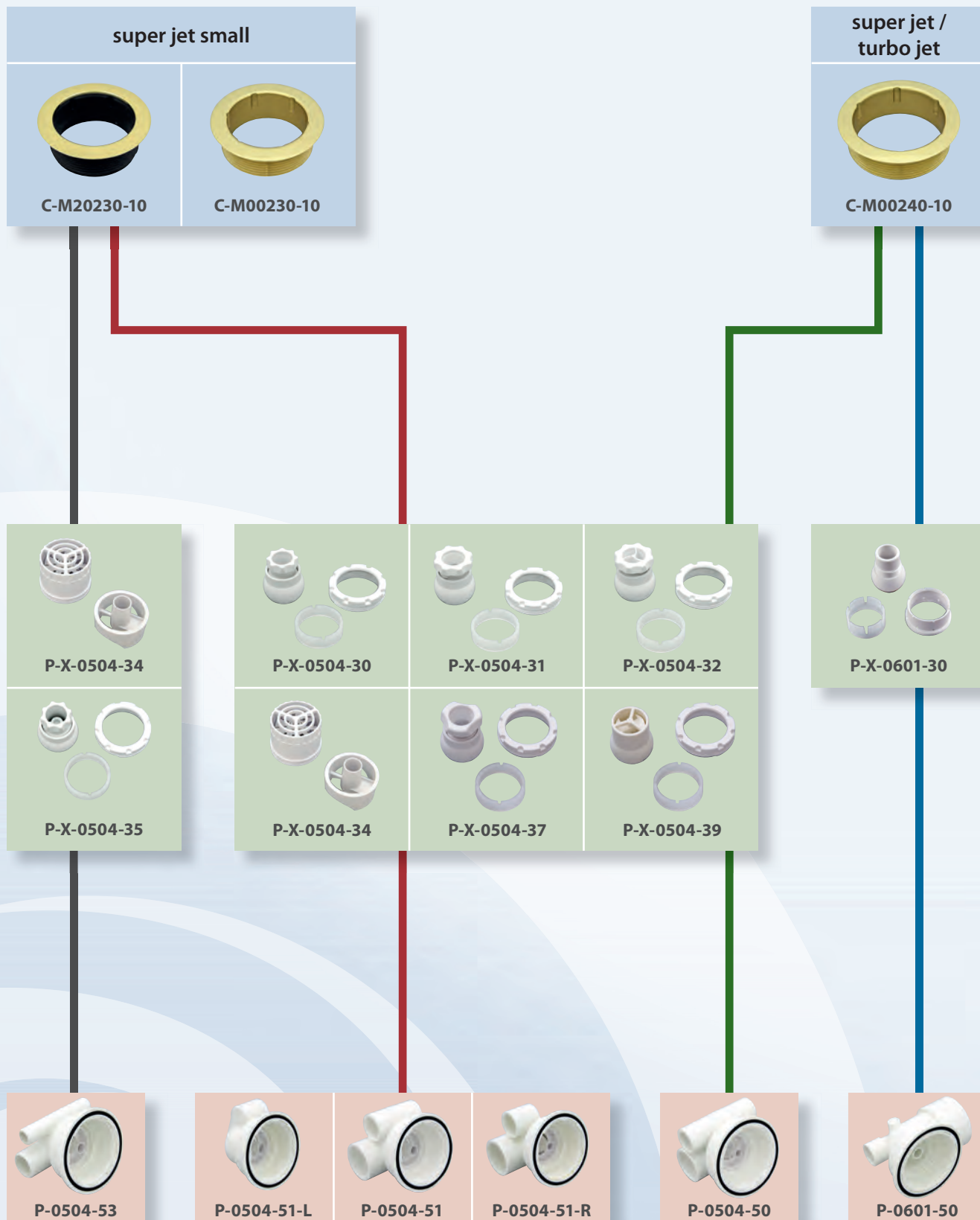


The suitable fittings and distributors for the pipe work are found in the chapter „Fitting“.
Please replace the X by the desired color code shown on the inside front cover legend!

| JET | | Order No. | | | | | | | | |
|---|--|---|-----------------------|----------------------|---------------|----------|-------|-------|-------|-----------|
|  | <p>Future cover midi 0033</p> <p>material: plastic outlet for water: 7 hole cover Ø: 53 mm key: P-0143-11 weight: 11 g</p> <p>suitable for: jet body: P-0164-13, N-0164-13</p> | P-W-0033 P-C-0033 | | | | | | | | |
|  | <p>Future cover midi 0032-7</p> <p>material: brass outlet for water: 7 hole cover Ø: 53 mm key: P-0143-11 weight: 78 g</p> <p>suitable for: jet body: P-0164-13, N-0164-13</p> | C-0032-7 B-0032-7 GP-0032-7 W-0032-7 | | | | | | | | |
|  | <p>Midi jet body P-0164-13</p> <p>with drain of the remaining water</p> <p>material: plastic outside Ø: 50 mm drill Ø: 41 mm key: P-0143-10 N-0143-1</p> <table><tr><td>wall thickness</td><td>overall length</td><td>thread length</td><td>weight</td></tr><tr><td>3 - 9 mm</td><td>23 mm</td><td>20 mm</td><td>11 g</td></tr></table> <p>suitable for: midi jet: series 0X16, series 0017 midi clip jet: series 1X17 cartridge jet: 23212, series 11X08, series 11212 mini jet: 0012, 0013, 0011 future jet: P-0025, P-0025-08 two way valve: P-73032-9, P-73132-9 multiway valve: P-73232-9</p> | wall thickness | overall length | thread length | weight | 3 - 9 mm | 23 mm | 20 mm | 11 g | P-0164-13 |
| wall thickness | overall length | thread length | weight | | | | | | | |
| 3 - 9 mm | 23 mm | 20 mm | 11 g | | | | | | | |
| <div>WILL BE DISCONTINUED</div>  | <p>Midi jet body N-0164-13</p> <p>with drain of the remaining water</p> <p>material: brass outside Ø: 50 mm drill Ø: 41 mm key: P-0143-10 N-0143-1</p> <table><tr><td>wall thickness</td><td>overall length</td><td>thread length</td><td>weight</td></tr><tr><td>3 - 9 mm</td><td>25 mm</td><td>22 mm</td><td>105 g</td></tr></table> <p>suitable for: midi jet: series 0X16, series 0017 midi clip jet: series 1X17 cartridge jet: 23212, series 11X08, series 11212 mini jet: 0012, 0013, 0011 future jet: P-0025, P-0025-08 two way valve: P-73032-9, P-73132-9 multiway valve: P-73232-9</p> | wall thickness | overall length | thread length | weight | 3 - 9 mm | 25 mm | 22 mm | 105 g | N-0164-13 |
| wall thickness | overall length | thread length | weight | | | | | | | |
| 3 - 9 mm | 25 mm | 22 mm | 105 g | | | | | | | |

| JET | Order No. |
|---|-----------|
|  <p>Future jet 0025 drain for remaining water with Ø 10 mm connection possible</p> <p>material: plastic adhesive socket Ø : 32 mm water weight: 79 g</p> <p>optionally available: flat packing P-0012-D or o-ring P-0012-1</p> | P-0025 |
|  <p>Future jet 0025-08 drain for remaining water with Ø 8 mm cartridge connection possible</p> <p>material: plastic adhesive socket Ø : 32 mm water cartridge Ø: 8 mm weight: 84 g</p> <p>optionally available: flat packing P-0012-D or o-ring P-0012-1</p> | P-0025-08 |
|  <p>Flat packing 0012-D for midi, mini, future jet</p> <p>outside Ø: 66 mm thickness: 2 mm weight: 6 g</p> <p>suitable for: series P-0X16, P-0017, P-0011, P-0012, P-0013, P-1X17, P-11X08, P-11212, P-23212, P-0021, P-0025</p> | P-0012-D |
|  <p>O-ring 0012-1 for midi, mini, future jet</p> <p>dimension: 48 x 4 mm weight: 3 g</p> <p>suitable for: series P-0X16, P-0017, P-0011, P-0012, P-0013, P-1X17, P-11X08, P-11212, P-23212, P-0021, P-0025</p> | P-0012-1 |

Super jet small / Super jet / Turbo jet Flatline - structure



The suitable fittings for the pipe work are found in the chapter „Fitting“.

Please replace the X by the desired color code shown on the inside front cover legend!



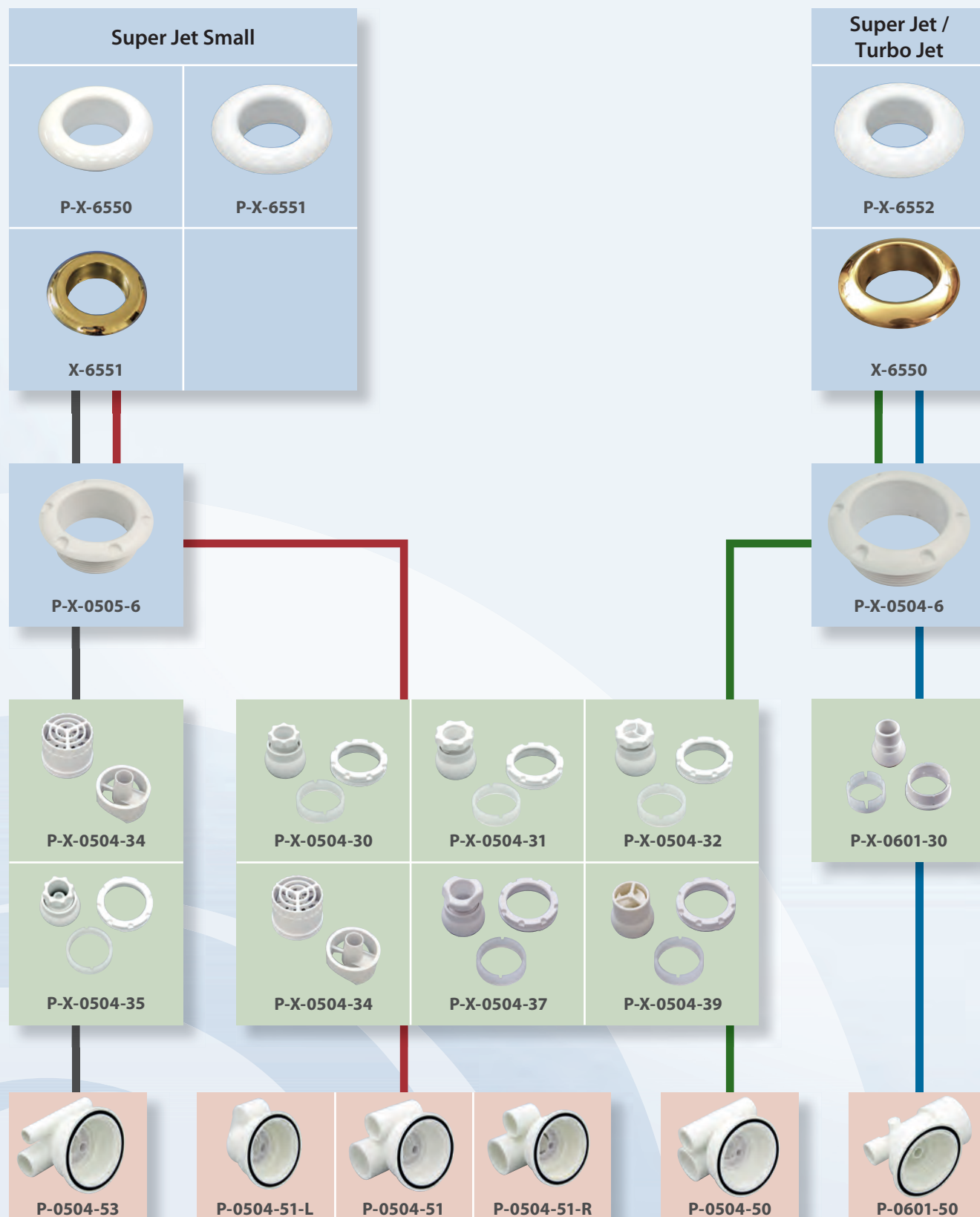
Main Catalogue system components for whirlpool tubs
Technical specifications and printing errors are subject to change
without prior notification. EN2122 © Copyright reserved.

| JET | | Order No. | | | | | | | | |
|--|---|----------------|----------------|---------------|--------|-----------|-------|-------|-------|-------------|
|  | <p>Flatline super jet small jet body M00230-10</p> <p>material: brass outside Ø: 70 mm drill Ø: 57 mm key: P-M00230-50</p> <table><tr><th>wall thickness</th><th>overall length</th><th>thread length</th><th>weight</th></tr><tr><td>2 - 12 mm</td><td>23 mm</td><td>21 mm</td><td>125 g</td></tr></table> <p>suitable for: super jet small: P-0504-51, P-0504-51-L, P-0504-51-R, P-0504-53</p> | wall thickness | overall length | thread length | weight | 2 - 12 mm | 23 mm | 21 mm | 125 g | C-M00230-10 |
| wall thickness | overall length | thread length | weight | | | | | | | |
| 2 - 12 mm | 23 mm | 21 mm | 125 g | | | | | | | |
| <div>WILL BE DISCONTINUED</div>  | <p>Flatline super jet body M00240-10</p> <p>material: brass outside Ø: 75 mm drill Ø: 64 mm key: P-M00240-50</p> <table><tr><th>wall thickness</th><th>overall length</th><th>thread length</th><th>weight</th></tr><tr><td>2 - 12 mm</td><td>23 mm</td><td>21 mm</td><td>130 g</td></tr></table> <p>suitable for: super jet: P-0504-50 turbo jet: P-0601-50</p> | wall thickness | overall length | thread length | weight | 2 - 12 mm | 23 mm | 21 mm | 130 g | C-M00240-10 |
| wall thickness | overall length | thread length | weight | | | | | | | |
| 2 - 12 mm | 23 mm | 21 mm | 130 g | | | | | | | |
| <div>WILL BE DISCONTINUED</div>  | <p>Flatline super jet small cluster jet body M20230-10</p> <p>material: brass / plastic outside Ø: 70 mm drill Ø: 57 mm key: P-M00230-50</p> <table><tr><th>wall thickness</th><th>overall length</th><th>thread length</th><th>weight</th></tr><tr><td>3 - 12 mm</td><td>25 mm</td><td>23 mm</td><td>38 g</td></tr></table> <p>suitable for: super jet small: P-0504-51, P-0504-51-L, P-0504-51-R, P-0504-53</p> | wall thickness | overall length | thread length | weight | 3 - 12 mm | 25 mm | 23 mm | 38 g | C-M20230-10 |
| wall thickness | overall length | thread length | weight | | | | | | | |
| 3 - 12 mm | 25 mm | 23 mm | 38 g | | | | | | | |

Main Catalogue system components for whirlpool tubs



Super jet small / Super jet / Turbo jet - structure



The suitable fittings and distributors for the pipe work are found in the chapter „Fitting“.

Please replace the X by the desired color code shown on the inside front cover legend!



Main Catalogue system components for whirlpool tubs
 Technical specifications and printing errors are subject to change
 without prior notification. EN2122 © Copyright reserved.

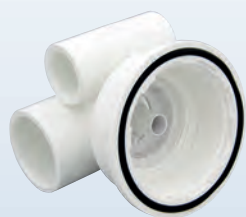
| JET | Order No. |
|--|---------------------------------------|
|  <p>Super jet small cover P-X-6551 material: plastic cover Ø: 83 mm weight: 17 g</p> <p>suitable for: super jet small jet body: P-0505-6</p> | P-W-6551 P-C-6551 |
|  <p>Super jet small cover P-X-6550 material: plastic cover Ø: 90 mm weight: 19 g</p> <p>suitable for: super jet small jet body: P-0505-6</p> | P-W-6550 P-C-6550 |
|  <p>Super jet small cover X-6551 material: brass cover Ø: 75 mm weight: 28 g</p> <p>suitable for: super jet small jet body: P-0505-6</p> | C-6551 B-6551 GP-6551 W-6551 |
|  <p>Super jet cover 6552 material: plastic cover Ø: 90 mm weight: 20 g</p> <p>suitable for: super jet jet body: P-0504-6</p> | P-W-6552 P-C-6552 |
|  <p>Super jet cover X-6550 material: brass cover Ø: 85 mm weight: 42 g</p> <p>suitable for: super jet jet body: P-0504-6</p> | C-6550 B-6550 GP-6550 W-6550 |

| JET | Order No. |
|--|------------------------------------|
|  <p>Super jet small jet body 0505-6</p> <p>material: plastic outside Ø: 74 mm drill Ø: 57 mm wall thickness: 3 - 11 mm overall length: 29.5 mm thread length: 23.5 mm key: P-0506-20 weight: 26 g</p> <p>suitable for: super jet small: series 0504-51, 0504-53</p> | <p>P-W-0505-6 P-C-0505-6</p> |
|  <p>Super jet body 0504-6</p> <p>material: plastic outside Ø: 82 mm drill Ø: 64 mm wall thickness: 3 - 11 mm overall length: 31 mm thread length: 23.5 mm key: P-0504-20 weight: 33 g</p> <p>suitable for: super jet: 0504-50 turbo jet: 0601-50</p> | <p>P-W-0504-6 P-C-0504-6</p> |
|  <p>Jet insert 0504-30 water flow lockable</p> <p>material: plastic weight: 22 g</p> <p>consists of: supporting ring: P-X-0504-3 ball: P-X-0504-300 plastic ring: P-0504-7</p> <p>suitable for: super jet small: series 0504-51 super jet: 0504-50</p> | <p>P-W-0504-30 P-C-0504-30</p> |
|  <p>Jet insert 0504-31 water flow lockable</p> <p>material: plastic weight: 23 g</p> <p>consists of: supporting ring: P-X-0504-3 ball: P-X-0504-310 plastic ring: P-0504-7</p> <p>suitable for: super jet small: series 0504-51 super jet: 0504-50</p> | <p>P-W-0504-31 P-C-0504-31</p> |

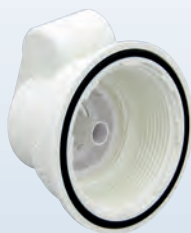
| JET | Order No. |
|--|----------------------------|
|  <p>Jet insert 0504-32 water flow lockable</p> <p>material: plastic weight: 24 g</p> <p>consists of: supporting ring: P-X-0504-3 ball: P-X-0504-320 plastic ring: P-0504-7</p> <p>suitable for: super jet small: series 0504-51 super jet: 0504-50</p> | P-W-0504-32 P-C-0504-32 |
|  <p>Jet insert 0504-34 turbine nozzle rotating</p> <p>material: plastic weight: 18 g</p> <p>consists of: jet: P-W-0504-34 jet inner part: P-W-0504-20-1</p> <p>suitable for: super jet small: series 0504-51, 0504-53 super jet: 0504-50</p> | P-W-0504-34 |
| <div>WILL BE DISCONTINUED</div>  <p>Jet insert 0504-35 water flow lockable</p> <p>material: plastic weight: 21 g</p> <p>consists of: supporting ring: P-X-0504-3 ball: P-X-0504-350 plastic ring: P-0504-7</p> <p>suitable for: super jet small: 0504-53</p> | P-W-0504-35 P-C-0504-35 |

| JET | Order No. |
|--|----------------------------|
|  <p>Jet insert 0504-37 water flow lockable</p> <p>material: plastic weight: 23 g</p> <p>consists of: supporting ring: P-X-0504-3 ball: P-X-0504-370 plastic ring: P-0504-7</p> <p>suitable for: super jet small: series 0504-51 super jet: 0504-50</p> | P-W-0504-37 P-C-0504-37 |
|  <p>Jet insert 0504-39 rotating</p> <p>material: plastic weight: 22 g</p> <p>consists of: supporting ring: P-X-0504-3 ball: P-X-0504-390 plastic ring: P-0504-7</p> <p>suitable for: super jet small: series 0504-51 super jet: 0504-50</p> | P-W-0504-39 P-C-0504-39 |
|  <p>Turbo jet unit 0601-30 water flow lockable</p> <p>material: plastic weight: 51 g</p> <p>consists of: supporting ring: P-X-0601-5 ball: P-X-0601-7 plastic ring: P-0601-4</p> <p>suitable for: turbo jet: 0601-50</p> | P-W-0601-30 |

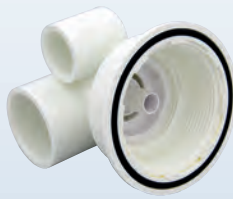
JET



P-0504-51



P-0504-51-L



P-0504-51-R

SUPER JET SMALL SERIES 0504-51


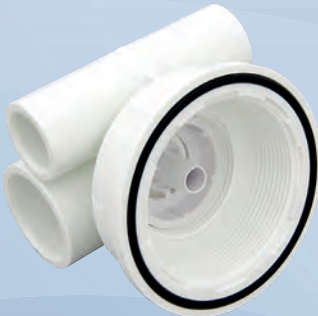

Order No.

material: plastic
adhesive socket Ø : 32 mm water
20 mm air

inclusive:
jet inner part (P-0504-2-1)
o-ring (64 x 3 mm)

| variant | weight |
|-----------------|--------|
| through jet | 136 g |
| close jet left | 94 g |
| close jet right | 94 g |

P-0504-51
P-0504-51-L
P-0504-51-R

| JET | Order No. |
|---|-----------|
|  <p>Super jet small 0504-53</p> <p>material: plastic hose connection Ø: 25 mm water 15 mm air</p> <p>variant: through jet weight: 83 g</p> <p>inclusive: jet inner part (P-0511-1-3) o-ring (64 x 3 mm)</p> | P-0504-53 |
|  <p>Super jet 0504-50</p> <p>material: plastic adhesive socket Ø: 32 mm water 20 mm air</p> <p>variant: through jet weight: 177 g</p> <p>inclusive: jet inner part (P-0504-2-1) o-ring (72 x 3 mm)</p> | P-0504-50 |
|  <p>Turbo jet 0601-50</p> <p>material: plastic adhesive socket Ø: 50 mm water 20 mm air</p> <p>weight: 126 g</p> <p>inclusive: o-ring (72 x 3 mm)</p> | P-0601-50 |

JET PUMP

8



Features - Jet Pump

- Compact versions
- Various power classes
- Optimized geometries – space saving installation
- ÖVE certified
- Special types for mounting on c-profil – saving on labour time compared to conventional installation
- Quick fix vario
- Since the first pump production still the same connection size
- Special unions - elbow 23°, 45°, 67°, 90°, T-piece, etc.
- 2-way and „more way“ valves – manually adjustable or electronic
- The 2-way valve is also available in flatline version



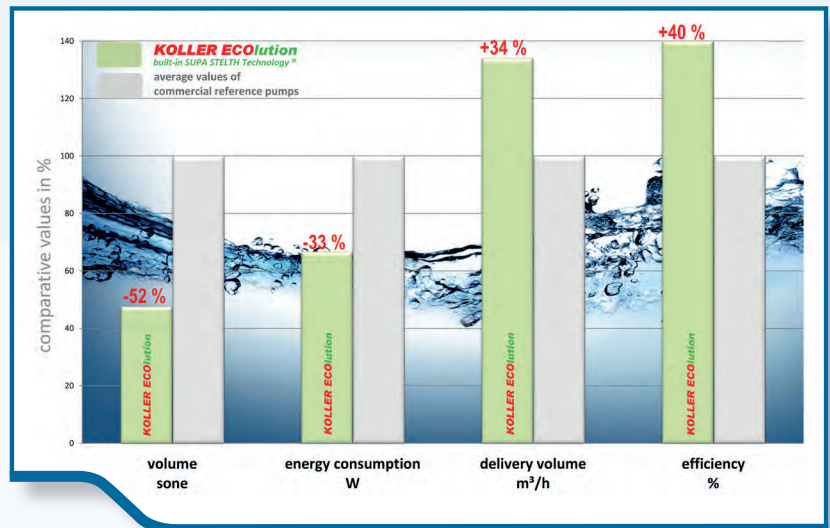
ECOlution Jetpumpen



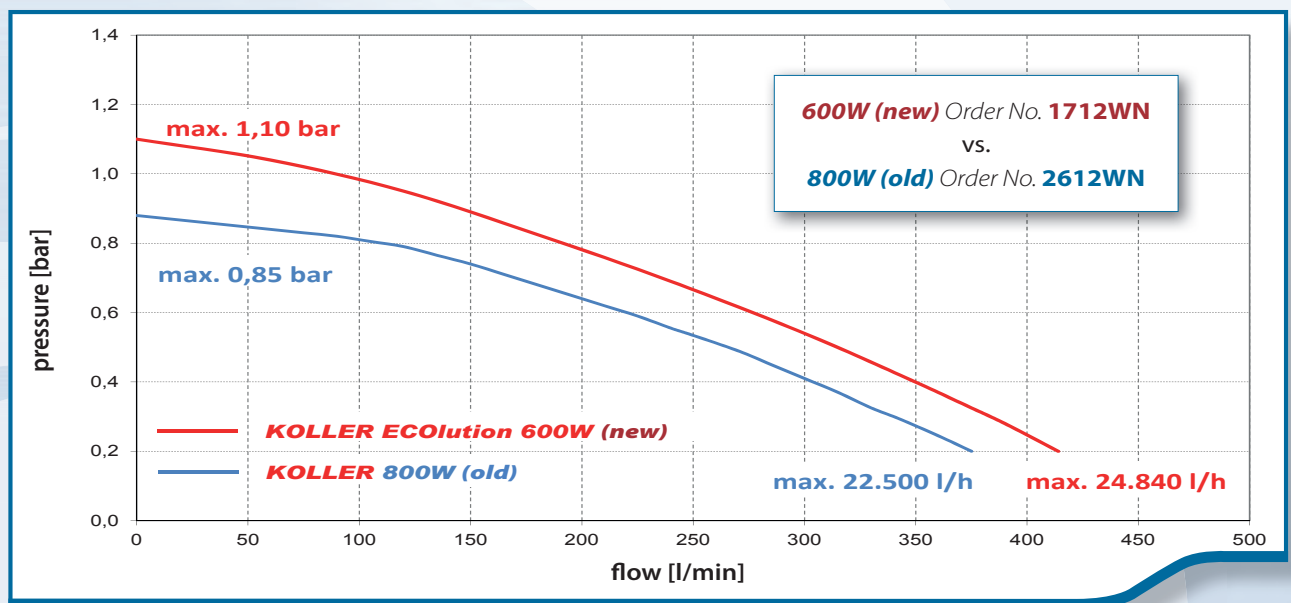
KOLLER ECOlution – PRODUCT BENEFITS AT A GLANCE

- Silent version - particularly low-noise levels
- Higher pump performance with less energy consumption
- Improved efficiency of the pump
- Significant energy savings compared to reference pumps
- Integrated G-profile saves mounting time and money
- Easy conversion of existing systems by same connection thread
- Variety of connection options such as straight union, angle 23 °, 45 °, 67 °, 90 °, T-pieces, etc.
- Compatibility with previous KOLLER-jet pumps of the power class 650W and 800W - thus arbitrarily interchangeable

built-in SUPA STEALTH Technology®
protected by patent



PERFORMANCE CURVE COMPARISON



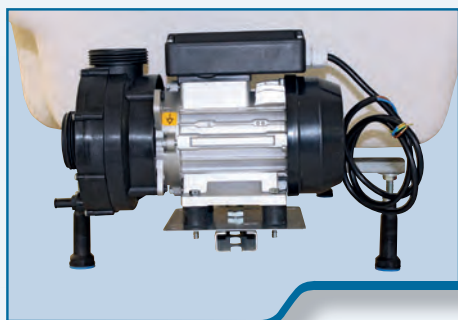
Higher delivery volume at the same time less energy consumption and super silent operation



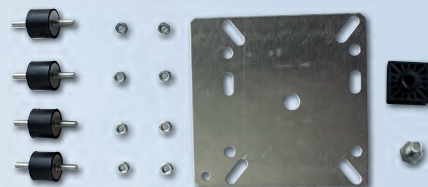
Main Catalogue system components for whirlpool tubs
Technical specifications and printing errors are subject to change
without prior notification. EN2122 © Copyright reserved.

C-Profile

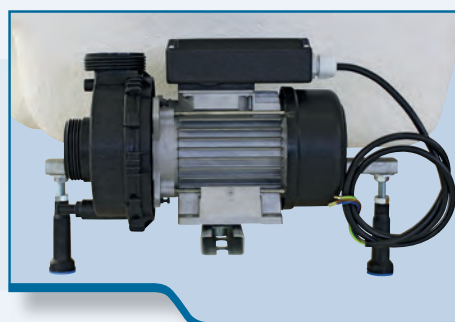
C-PROFILE

SPACE SAVING AND COST SAVING COMPARED


For the jet pump
without C-Profile you need
15 pieces!

WITHOUT C-PROFILE

WITH C-PROFILE


For the jet pump
with C-Profile you need
4 pieces!



Double unions

UNIQUE – THE KOLLER DOUBLE UNION WITHOUT GLUING!

KOLLER double unions are – **for individual adaptation to any spatial requirements** - available:

A straight connection

B corner solution with a 90°

C or 45° connection

ADVANTAGES OF THE DOUBLE UNION

- **Cost savings in purchasing**, because instead of 3 parts (2 x union, 1 x pipe / hose) only one part needs to be purchased now, which in comparison is much cheaper
- **Cost savings in mounting**, as a result of the elimination of the adhesive process, including drying time considerable time saving is possible!
- **Consciously service friendly**: By the easy separability of the KOLLER double union connected components during servicing are therefore particularly quickly interchangeable.
- **Space-saving** - short, compact connection, because each mm space is important.



Space-saving connection possibility of a heating with the pump

Quick Fix Vario



APPLICATION BENEFITS

The fixation system "Quick Fix Vario" developed and patented by KOLLER has considerably simplified the attachment of Whirlpool pumps - because it simultaneously ensures

- **RAPID assembly** (QUICK)
- stable and **SECURE attachment** (FIX) and
- **VARIABLE adaptation** of the system (VARIO) based on individual (space) requirements
- **COST SAVING** through less assembling auxiliaries
- **directly attaching** of the pump to the C-profile of the tub frame
- **easy mounting** without any tools
- Quick Fix Vario **replaces** the **mounting plate** as well as the **feet**
- available in **5 different heights** from 100 to 140 mm
- **sound-damping** effect - as there is no mechanical contact of metal parts
- fulfills an important **buffer function of vibration damping** with the engine running

SO EASY AND QUICK THE PUMP MOUNTING WORKS WITH QUICK FIX VARIO:



At the bottom of the pump there is a C-profile, which is required for the pump mounting.



Push the square washer (labelled "LEFT") of the Quick Fix Vario into the C-profile of the pump.



Screw on the Quick Fix Vario in the middle of the C-profile only slightly by turning clockwise.



Finally, slide the lower square washer into the C-profile of the tub frame. By again turning clockwise, the Quick Fix Vario pulls up and down evenly. Now align the pump according to any spatial requirements and ultimately fix by turning clockwise the pump base. Done!

Jet pumps EColution with integrated C-profile for electronic control



C-PROFILE

* Nipple with 1/4" thread – different 1/4" connections possible - see chapter fitting

with integrated C-profile

suitable for mounting with quick fix vario (series 26111X) - see chapter legs

cable length: 2 m with wire end ferrules

system of protection: IP X5

One mini jet is equivalent to about 3 micro jets.



| Photo | line voltage | input | output | length | mini jets | test mark | weight | Order No. |
|---|-----------------|-----------------|---------|--------|-----------|-----------|--------|------------|
| with self-drain - 50 Hz | | | | | | | | |
| A | 220 - 240V 50Hz | 0,54 hp 0,40 kW | 0,28 kW | 315 mm | 4 - 6 | CE, ÖVE | 4.4 kg | 1711-WE |
| A | 220 - 240V 50Hz | 0,82 hp 0,60 kW | 0,45 kW | 315 mm | 6 - 8 | CE, ÖVE | 5.2 kg | 1712-WE |
| A | 220 - 240V 50Hz | 1,10 hp 0,80 kW | 0,55 kW | 315 mm | 8 - 12 | CE, ÖVE | 5.6 kg | 1713-WE |
| A | 220 - 240V 50Hz | 1,50 hp 1,10 kW | 0,75 kW | 339 mm | 12 - 16 | CE, ÖVE | 7.3 kg | 1714-WE |
| with self-drain - 60 Hz | | | | | | | | |
| A | 220 - 240V 60Hz | 0,54 hp 0,40 kW | 0,28 kW | 315 mm | 4 - 6 | CE | 4.3 kg | 1711-WE-60 |
| A | 220 - 240V 60Hz | 0,82 hp 0,60 kW | 0,45 kW | 315 mm | 6 - 8 | CE | 5.3 kg | 1712-WE-60 |
| A | 220 - 240V 60Hz | 1,10 hp 0,80 kW | 0,55 kW | 315 mm | 8 - 12 | CE | 5.8 kg | 1713-WE-60 |
| A | 220 - 240V 60Hz | 1,50 hp 1,10 kW | 0,75 kW | 339 mm | 12 - 16 | CE | 7.4 kg | 1714-WE-60 |
| with evacuation nipple - 50 Hz * | | | | | | | | |
| B | 220 - 240V 50Hz | 0,54 hp 0,40 kW | 0,28 kW | 286 mm | 4 - 6 | CE, ÖVE | 4.2 kg | 1711-WN |
| B | 220 - 240V 50Hz | 0,82 hp 0,60 kW | 0,45 kW | 286 mm | 6 - 8 | CE, ÖVE | 5 kg | 1712-WN |
| B | 220 - 240V 50Hz | 1,10 hp 0,80 kW | 0,55 kW | 286 mm | 8 - 12 | CE, ÖVE | 5.4 kg | 1713-WN |
| B | 220 - 240V 50Hz | 1,50 hp 1,10 kW | 0,75 kW | 310 mm | 12 - 16 | CE, ÖVE | 7.1 kg | 1714-WN |
| with evacuation nipple - 60 Hz * | | | | | | | | |
| B | 220 - 240V 60Hz | 0,54 hp 0,40 kW | 0,28 kW | 286 mm | 4 - 6 | CE | 4.3 kg | 1711-WN-60 |
| B | 220 - 240V 60Hz | 0,82 hp 0,60 kW | 0,45 kW | 286 mm | 6 - 8 | CE | 5.2 kg | 1712-WN-60 |
| B | 220 - 240V 60Hz | 1,10 hp 0,80 kW | 0,55 kW | 286 mm | 8 - 12 | CE | 5.6 kg | 1713-WN-60 |
| B | 220 - 240V 60Hz | 1,50 hp 1,10 kW | 0,75 kW | 310 mm | 12 - 16 | CE | 7.3 kg | 1714-WN-60 |
| with cartridge drain - 50 Hz | | | | | | | | |
| C | 220 - 240V 50Hz | 0,54 hp 0,40 kW | 0,28 kW | 275 mm | 4 - 6 | CE, ÖVE | 4.2 kg | 1711-WC |
| C | 220 - 240V 50Hz | 0,82 hp 0,60 kW | 0,45 kW | 275 mm | 6 - 8 | CE, ÖVE | 5 kg | 1712-WC |
| C | 220 - 240V 50Hz | 1,10 hp 0,80 kW | 0,55 kW | 275 mm | 8 - 12 | CE, ÖVE | 5.4 kg | 1713-WC |
| C | 220 - 240V 50Hz | 1,50 hp 1,10 kW | 0,75 kW | 298 mm | 12 - 16 | CE, ÖVE | 7.1 kg | 1714-WC |
| with cartridge drain - 60 Hz | | | | | | | | |
| C | 220 - 240V 60Hz | 0,54 hp 0,40 kW | 0,28 kW | 275 mm | 4 - 6 | CE | 4.3 kg | 1711-WC-60 |
| C | 220 - 240V 60Hz | 0,82 hp 0,60 kW | 0,45 kW | 275 mm | 6 - 8 | CE | 5.1 kg | 1712-WC-60 |
| C | 220 - 240V 60Hz | 1,10 hp 0,80 kW | 0,55 kW | 275 mm | 8 - 12 | CE | 5.7 kg | 1713-WC-60 |
| C | 220 - 240V 60Hz | 1,50 hp 1,10 kW | 0,75 kW | 298 mm | 12 - 16 | CE | 7.3 kg | 1714-WC-60 |



Main Catalogue system components for whirlpool tubs
 Technical specifications and printing errors are subject to change
 without prior notification. EN2122 © Copyright reserved.

Jet pumps EColution with integrated C-profile and built-in pneumatic control


C-PROFILE

* Nipple with 1/4" thread – different 1/4" connections possible - see chapter fitting

with integrated C-profile

suitable for mounting with quick fix vario (series 26111X) - see chapter legs

cable length: 2 m with wire end ferrules

system of protection: IP X5

One mini jet is equivalent to about 3 micro jets.



| Photo | line voltage | input | output | length | mini jets | test mark | weight | Order No. |
|---|-----------------|-----------------|---------|--------|-----------|-----------|--------|-------------|
| with self-drain - 50 Hz | | | | | | | | |
| A | 220 - 240V 50Hz | 0,54 hp 0,40 kW | 0,28 kW | 315 mm | 4 - 6 | CE, ÖVE | 4.4 kg | 1711-WEP |
| A | 220 - 240V 50Hz | 0,82 hp 0,60 kW | 0,45 kW | 315 mm | 6 - 8 | CE, ÖVE | 5.2 kg | 1712-WEP |
| A | 220 - 240V 50Hz | 1,10 hp 0,80 kW | 0,55 kW | 315 mm | 8 - 12 | CE, ÖVE | 5.6 kg | 1713-WEP |
| A | 220 - 240V 50Hz | 1,50 hp 1,10 kW | 0,75 kW | 339 mm | 12 - 16 | CE, ÖVE | 7.4 kg | 1714-WEP |
| with self-drain - 60 Hz | | | | | | | | |
| A | 220 - 240V 60Hz | 0,54 hp 0,40 kW | 0,28 kW | 315 mm | 4 - 6 | CE | 4.3 kg | 1711-WEP-60 |
| A | 220 - 240V 60Hz | 0,82 hp 0,60 kW | 0,45 kW | 315 mm | 6 - 8 | CE | 5.3 kg | 1712-WEP-60 |
| A | 220 - 240V 60Hz | 1,10 hp 0,80 kW | 0,55 kW | 315 mm | 8 - 12 | CE | 5.8 kg | 1713-WEP-60 |
| A | 220 - 240V 60Hz | 1,50 hp 1,10 kW | 0,75 kW | 339 mm | 12 - 16 | CE | 7.4 kg | 1714-WEP-60 |
| with evacuation nipple - 50 Hz * | | | | | | | | |
| B | 220 - 240V 50Hz | 0,54 hp 0,40 kW | 0,28 kW | 286 mm | 4 - 6 | CE, ÖVE | 4.2 kg | 1711-WNP |
| B | 220 - 240V 50Hz | 0,82 hp 0,60 kW | 0,45 kW | 286 mm | 6 - 8 | CE, ÖVE | 5 kg | 1712-WNP |
| B | 220 - 240V 50Hz | 1,10 hp 0,80 kW | 0,55 kW | 286 mm | 8 - 12 | CE, ÖVE | 5.4 kg | 1713-WNP |
| B | 220 - 240V 50Hz | 1,50 hp 1,10 kW | 0,75 kW | 310 mm | 12 - 16 | CE, ÖVE | 7.2 kg | 1714-WNP |
| with evacuation nipple - 60 Hz * | | | | | | | | |
| B | 220 - 240V 60Hz | 0,54 hp 0,40 kW | 0,28 kW | 286 mm | 4 - 6 | CE | 4.3 kg | 1711-WNP-60 |
| B | 220 - 240V 60Hz | 0,82 hp 0,60 kW | 0,45 kW | 286 mm | 6 - 8 | CE | 5.2 kg | 1712-WNP-60 |
| B | 220 - 240V 60Hz | 1,10 hp 0,80 kW | 0,55 kW | 286 mm | 8 - 12 | CE | 5.6 kg | 1713-WNP-60 |
| B | 220 - 240V 60Hz | 1,50 hp 1,10 kW | 0,75 kW | 310 mm | 12 - 16 | CE | 7.3 kg | 1714-WNP-60 |
| with cartridge drain - 50 Hz | | | | | | | | |
| C | 220 - 240V 50Hz | 0,54 hp 0,40 kW | 0,28 kW | 275 mm | 4 - 6 | CE, ÖVE | 4.2 kg | 1711-WCP |
| C | 220 - 240V 50Hz | 0,82 hp 0,60 kW | 0,45 kW | 275 mm | 6 - 8 | CE, ÖVE | 5 kg | 1712-WCP |
| C | 220 - 240V 50Hz | 1,10 hp 0,80 kW | 0,55 kW | 275 mm | 8 - 12 | CE, ÖVE | 5.4 kg | 1713-WCP |
| C | 220 - 240V 50Hz | 1,50 hp 1,10 kW | 0,75 kW | 298 mm | 12 - 16 | CE, ÖVE | 7.1 kg | 1714-WCP |
| with cartridge drain - 60 Hz | | | | | | | | |
| C | 220 - 240V 60Hz | 0,54 hp 0,40 kW | 0,28 kW | 275 mm | 4 - 6 | CE | 4.3 kg | 1711-WCP-60 |
| C | 220 - 240V 60Hz | 0,82 hp 0,60 kW | 0,45 kW | 275 mm | 6 - 8 | CE | 5.1 kg | 1712-WCP-60 |
| C | 220 - 240V 60Hz | 1,10 hp 0,80 kW | 0,55 kW | 275 mm | 8 - 12 | CE | 5.7 kg | 1713-WCP-60 |
| C | 220 - 240V 60Hz | 1,50 hp 1,10 kW | 0,75 kW | 298 mm | 12 - 16 | CE | 7.2 kg | 1714-WCP-60 |

Jet pumps ECOLution with integrated c-profile and built-in electronic control



C-PROFILE

* Nipple with 1/4" thread – different 1/4" connections possible - see chapter fitting

with integrated C-profile

suitable for mounting with quick fix vario (series 26111X) - see chapter legs

inclusive connecting box 230-7051E, clip bracket P-606733 and dry-running protection sensor 010133A without electronic button (see chapter button)

cable length: 2 m with wire end ferrules

system of protection: IP X5

One mini jet is equivalent to about 3 micro jets.



| Photo | line voltage | input | output | length | mini jets | test mark | weight | Order No. |
|---|-----------------|-----------------|---------|--------|-----------|-----------|--------|-----------|
| with self-drain - 50 Hz | | | | | | | | |
| A | 220 - 240V 50Hz | 0,54 hp 0,40 kW | 0,28 kW | 315 mm | 4 - 6 | CE, ÖVE | 4.7 kg | 1711-WES |
| A | 220 - 240V 50Hz | 0,82 hp 0,60 kW | 0,45 kW | 315 mm | 6 - 8 | CE, ÖVE | 5.5 kg | 1712-WES |
| A | 220 - 240V 50Hz | 1,10 hp 0,80 kW | 0,55 kW | 315 mm | 8 - 12 | CE, ÖVE | 5.9 kg | 1713-WES |
| A | 220 - 240V 50Hz | 1,50 hp 1,10 kW | 0,75 kW | 339 mm | 12 - 16 | CE, ÖVE | 7.6 kg | 1714-WES |
| with evacuation nipple - 50 Hz * | | | | | | | | |
| B | 220 - 240V 50Hz | 0,54 hp 0,40 kW | 0,28 kW | 286 mm | 4 - 6 | CE, ÖVE | 4.6 kg | 1711-WNS |
| B | 220 - 240V 50Hz | 0,82 hp 0,60 kW | 0,45 kW | 286 mm | 6 - 8 | CE, ÖVE | 5.4 kg | 1712-WNS |
| B | 220 - 240V 50Hz | 1,10 hp 0,80 kW | 0,55 kW | 286 mm | 8 - 12 | CE, ÖVE | 5.8 kg | 1713-WNS |
| B | 220 - 240V 50Hz | 1,50 hp 1,10 kW | 0,75 kW | 310 mm | 12 - 16 | CE, ÖVE | 7.5 kg | 1714-WNS |
| with cartridge drain - 50 Hz | | | | | | | | |
| C | 220 - 240V 50Hz | 0,54 hp 0,40 kW | 0,28 kW | 275 mm | 4 - 6 | CE, ÖVE | 4.6 kg | 1711-WCS |
| C | 220 - 240V 50Hz | 0,82 hp 0,60 kW | 0,45 kW | 275 mm | 6 - 8 | CE, ÖVE | 5.4 kg | 1712-WCS |
| C | 220 - 240V 50Hz | 1,10 hp 0,80 kW | 0,55 kW | 275 mm | 8 - 12 | CE, ÖVE | 5.8 kg | 1713-WCS |
| C | 220 - 240V 50Hz | 1,50 hp 1,10 kW | 0,75 kW | 298 mm | 12 - 16 | CE, ÖVE | 7.5 kg | 1714-WCS |



Main Catalogue system components for whirlpool tubs
 Technical specifications and printing errors are subject to change
 without prior notification. EN2122 © Copyright reserved.

Jet pumps EColution with integrated c-profile and built-in pneumatic control and pneumatic dry-running protection


C-PROFILE

* Nipple with 1/4" thread – different 1/4" connections possible - see chapter fitting

with integrated C-profile

suitable for mounting with quick fix vario (series 26111X) - see chapter legs

cable length: 2 m with wire end ferrules

system of protection: IP X5

One mini jet is equivalent to about 3 micro jets.



| Photo | line voltage | input | output | length | mini jets | test mark | weight | Order No. |
|---|-----------------|-----------------|---------|--------|-----------|-----------|--------|-----------|
| with self-drain - 50 Hz | | | | | | | | |
| A | 220 - 240V 50Hz | 0,54 hp 0,40 kW | 0,28 kW | 315 mm | 4 - 6 | CE, ÖVE | 4.5 kg | 1711-WEF |
| A | 220 - 240V 50Hz | 0,82 hp 0,60 kW | 0,45 kW | 315 mm | 6 - 8 | CE, ÖVE | 5.3 kg | 1712-WEF |
| A | 220 - 240V 50Hz | 1,10 hp 0,80 kW | 0,55 kW | 315 mm | 8 - 12 | CE, ÖVE | 5.7 kg | 1713-WEF |
| A | 220 - 240V 50Hz | 1,50 hp 1,10 kW | 0,75 kW | 339 mm | 12 - 16 | CE, ÖVE | 7.4 kg | 1714-WEF |
| with evacuation nipple - 50 Hz * | | | | | | | | |
| B | 220 - 240V 50Hz | 0,54 hp 0,40 kW | 0,28 kW | 286 mm | 4 - 6 | CE, ÖVE | 4.4 kg | 1711-WNF |
| B | 220 - 240V 50Hz | 0,82 hp 0,60 kW | 0,45 kW | 286 mm | 6 - 8 | CE, ÖVE | 5.2 kg | 1712-WNF |
| B | 220 - 240V 50Hz | 1,10 hp 0,80 kW | 0,55 kW | 286 mm | 8 - 12 | CE, ÖVE | 5.6 kg | 1713-WNF |
| B | 220 - 240V 50Hz | 1,50 hp 1,10 kW | 0,75 kW | 310 mm | 12 - 16 | CE, ÖVE | 7.3 kg | 1714-WNF |
| with cartridge drain - 50 Hz | | | | | | | | |
| C | 220 - 240V 50Hz | 0,54 hp 0,40 kW | 0,28 kW | 275 mm | 4 - 6 | CE, ÖVE | 4.4 kg | 1711-WCF |
| C | 220 - 240V 50Hz | 0,82 hp 0,60 kW | 0,45 kW | 275 mm | 6 - 8 | CE, ÖVE | 5.2 kg | 1712-WCF |
| C | 220 - 240V 50Hz | 1,10 hp 0,80 kW | 0,55 kW | 275 mm | 8 - 12 | CE, ÖVE | 5.6 kg | 1713-WCF |
| C | 220 - 240V 50Hz | 1,50 hp 1,10 kW | 0,75 kW | 298 mm | 12 - 16 | CE, ÖVE | 7.3 kg | 1714-WCF |

Jet pumps COMPACT for electronic control



cable length: 2 m with wire end ferrules
system of protection: IP X5

One mini jet is equivalent to about 3 micro jets.



| Photo | line voltage | input | output | length | mini jets | test mark | weight | Order No. |
|-------------------------------------|-----------------|-----------------|---------|--------|-----------|--------------|---------|-----------|
| with self-drain - 50 Hz | | | | | | | | |
| A | 220 - 240V 50Hz | 0,85 hp 0,65 kW | 0,45 kW | 299 mm | 4 - 6 | CE, ÖVE, IEC | 5.45 kg | 3611-UE |
| A | 220 - 240V 50Hz | 1,10 hp 0,80 kW | 0,55 kW | 299 mm | 6 - 8 | CE, ÖVE, IEC | 6 kg | 3612-UE |
| with cartridge drain - 50 Hz | | | | | | | | |
| B | 220 - 240V 50Hz | 0,85 hp 0,65 kW | 0,45 kW | 280 mm | 4 - 6 | CE, ÖVE, IEC | 5.45 kg | 3611-UC |
| B | 220 - 240V 50Hz | 1,10 hp 0,80 kW | 0,55 kW | 280 mm | 6 - 8 | CE, ÖVE, IEC | 6 kg | 3612-UC |



Main Catalogue system components for whirlpool tubs
Technical specifications and printing errors are subject to change
without prior notification. EN2122 © Copyright reserved.

Jet pumps COMPACT with integrated c-profile for electronic control


C-PROFILE

with integrated C-profile
suitable for mounting with quick fix vario (series 26111X) - see chapter legs

cable length: 2 m with wire end ferrules

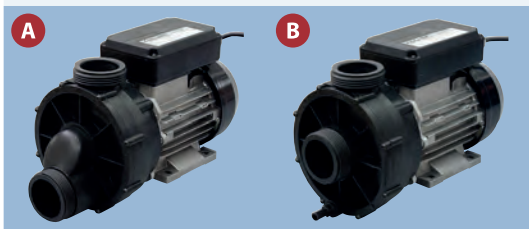
system of protection: IP X5

One mini jet is equivalent to about 3 micro jets.



| Photo | line voltage | input | output | length | mini jets | test mark | weight | Order No. |
|-------------------------------------|-----------------|-----------------|---------|--------|-----------|--------------|---------|------------|
| with self-drain - 50 Hz | | | | | | | | |
| A | 220 - 240V 50Hz | 0,85 hp 0,65 kW | 0,45 kW | 300 mm | 4 - 6 | CE, ÖVE, IEC | 5.25 kg | 3611-WE |
| A | 220 - 240V 50Hz | 1,10 hp 0,80 kW | 0,55 kW | 300 mm | 6 - 8 | CE, ÖVE, IEC | 5.55 kg | 3612-WE |
| B | 220 - 240V 50Hz | 0,85 hp 0,65 kW | 0,45 kW | 300 mm | 4 - 6 | CE, ÖVE, IEC | 5.2 kg | 4611-WE |
| B | 220 - 240V 50Hz | 1,10 hp 0,80 kW | 0,55 kW | 300 mm | 6 - 8 | CE, ÖVE, IEC | 5.5 kg | 4612-WE |
| with self-drain - 60 Hz | | | | | | | | |
| A | 220 - 240V 60Hz | 0,85 hp 0,65 kW | 0,45 kW | 300 mm | 4 - 6 | CE, IEC | 5.25 kg | 3611-WE-60 |
| A | 220 - 240V 60Hz | 1,10 hp 0,80 kW | 0,55 kW | 300 mm | 6 - 8 | CE, IEC | 5.55 kg | 3612-WE-60 |
| B | 220 - 240V 60Hz | 0,85 hp 0,65 kW | 0,45 kW | 300 mm | 4 - 6 | CE, IEC | 5.2 kg | 4611-WE-60 |
| B | 220 - 240V 60Hz | 1,10 hp 0,80 kW | 0,55 kW | 300 mm | 6 - 8 | CE, IEC | 5.5 kg | 4612-WE-60 |
| with cartridge drain - 50 Hz | | | | | | | | |
| C | 220 - 240V 50Hz | 0,85 hp 0,65 kW | 0,45 kW | 280 mm | 4 - 6 | CE, ÖVE, IEC | 5.2 kg | 3611-WC |
| C | 220 - 240V 50Hz | 1,10 hp 0,80 kW | 0,55 kW | 280 mm | 6 - 8 | CE, ÖVE, IEC | 5.5 kg | 3612-WC |
| with cartridge drain - 60 Hz | | | | | | | | |
| C | 220 - 240V 60Hz | 0,85 hp 0,65 kW | 0,45 kW | 280 mm | 4 - 6 | CE, IEC | 5.2 kg | 3611-WC-60 |
| C | 220 - 240V 60Hz | 1,10 hp 0,80 kW | 0,55 kW | 280 mm | 6 - 8 | CE, IEC | 5.5 kg | 3612-WC-60 |
| with self-drain - 50 Hz | | | | | | | | |
| D | 220 - 240V 50Hz | 0,85 hp 0,65 kW | 0,45 kW | 300 mm | 4 - 6 | CE, ÖVE, IEC | 5.2 kg | 4611-WE-2 |
| D | 220 - 240V 50Hz | 1,10 hp 0,80 kW | 0,55 kW | 300 mm | 6 - 8 | CE, ÖVE, IEC | 5.5 kg | 4612-WE-2 |

Jet pumps BASIC for electronic control



* Nipple with 1/4" thread – different 1/4" connections possible - see chapter fitting

cable length: 2 m with wire end ferrules

system of protection: IP X5

One mini jet is equivalent to about 3 micro jets.



| Photo | line voltage | input | output | length | mini jets | test mark | weight | Order No. |
|---|-----------------|-----------------|---------|--------|-----------|--------------|---------|-----------|
| with self-drain - 50 Hz | | | | | | | | |
| A | 220 - 240V 50Hz | 0,85 hp 0,65 kW | 0,45 kW | 316 mm | 4 - 6 | CE, ÖVE, IEC | 5.75 kg | 2611-UE |
| A | 220 - 240V 50Hz | 1,10 hp 0,80 kW | 0,55 kW | 316 mm | 6 - 8 | CE, ÖVE, IEC | 6.3 kg | 2612-UE |
| A | 220 - 240V 50Hz | 1,75 hp 1,25 kW | 0,90 kW | 345 mm | 9 - 11 | CE, ÖVE, IEC | 8.6 kg | 2613-UE |
| A | 220 - 240V 50Hz | 2,00 hp 1,50 kW | 1,10 kW | 345 mm | 12 - 15 | CE, ÖVE, IEC | 9.9 kg | 2614-UE |
| with evacuation nipple - 50 Hz * | | | | | | | | |
| B | 220 - 240V 50Hz | 0,85 hp 0,65 kW | 0,45 kW | 301 mm | 4 - 6 | CE, ÖVE, IEC | 5.65 kg | 2611-UN |
| B | 220 - 240V 50Hz | 1,10 hp 0,80 kW | 0,55 kW | 301 mm | 6 - 8 | CE, ÖVE, IEC | 6.2 kg | 2612-UN |
| B | 220 - 240V 50Hz | 1,75 hp 1,25 kW | 0,90 kW | 330 mm | 9 - 11 | CE, ÖVE, IEC | 8.5 kg | 2613-UN |
| B | 220 - 240V 50Hz | 2,00 hp 1,50 kW | 1,10 kW | 330 mm | 12 - 15 | CE, ÖVE, IEC | 9.8 kg | 2614-UN |



Main Catalogue system components for whirlpool tubs
Technical specifications and printing errors are subject to change
without prior notification. EN2122 © Copyright reserved.

Jet pumps BASIC with integrated c-profile for electronic control


C-PROFILE

* Nipple with 1/4" thread – different 1/4" connections possible - see chapter fitting

with integrated C-profile

suitable for mounting with quick fix vario (series 26111X) - see chapter legs

cable length: 2 m with wire end ferrules

system of protection: IP X5

One mini jet is equivalent to about 3 micro jets.



| Photo | line voltage | input | output | length | mini jets | test mark | weight | Order No. |
|---|-----------------|-----------------|---------|--------|-----------|--------------|---------|------------|
| with self-drain - 50 Hz | | | | | | | | |
| A | 220 - 240V 50Hz | 0,85 hp 0,65 kW | 0,45 kW | 315 mm | 4 - 6 | CE, ÖVE, IEC | 5.55 kg | 2611-WE |
| A | 220 - 240V 50Hz | 1,10 hp 0,80 kW | 0,55 kW | 315 mm | 6 - 8 | CE, ÖVE, IEC | 5.85 kg | 2612-WE |
| A | 220 - 240V 50Hz | 1,75 hp 1,25 kW | 0,90 kW | 340 mm | 9 - 11 | CE, ÖVE, IEC | 7.65 kg | 2613-WE |
| A | 220 - 240V 50Hz | 2,00 hp 1,50 kW | 1,10 kW | 340 mm | 12 - 15 | CE, ÖVE, IEC | 8.28 kg | 2614-WE |
| with self-drain - 60 Hz | | | | | | | | |
| A | 220 - 240V 60Hz | 0,85 hp 0,65 kW | 0,45 kW | 315 mm | 4 - 6 | CE, IEC | 5.55 kg | 2611-WE-60 |
| A | 220 - 240V 60Hz | 1,10 hp 0,80 kW | 0,55 kW | 315 mm | 6 - 8 | CE, IEC | 5.85 kg | 2612-WE-60 |
| A | 220 - 240V 60Hz | 1,75 hp 1,25 kW | 0,90 kW | 340 mm | 9 - 11 | CE, IEC | 7.65 kg | 2613-WE-60 |
| A | 220 - 240V 60Hz | 2,00 hp 1,50 kW | 1,10 kW | 340 mm | 12 - 15 | CE, IEC | 8.28 kg | 2614-WE-60 |
| with evacuation nipple - 50 Hz * | | | | | | | | |
| B | 220 - 240V 50Hz | 0,85 hp 0,65 kW | 0,45 kW | 300 mm | 4 - 6 | CE, ÖVE, IEC | 5.45 kg | 2611-WN |
| B | 220 - 240V 50Hz | 1,10 hp 0,80 kW | 0,55 kW | 300 mm | 6 - 8 | CE, ÖVE, IEC | 5.75 kg | 2612-WN |
| B | 220 - 240V 50Hz | 1,75 hp 1,25 kW | 0,90 kW | 325 mm | 9 - 11 | CE, ÖVE, IEC | 7.55 kg | 2613-WN |
| B | 220 - 240V 50Hz | 2,00 hp 1,50 kW | 1,10 kW | 325 mm | 12 - 15 | CE, ÖVE, IEC | 8.15 kg | 2614-WN |
| with evacuation nipple - 60 Hz * | | | | | | | | |
| B | 220 - 240V 60Hz | 0,85 hp 0,65 kW | 0,45 kW | 300 mm | 4 - 6 | CE, IEC | 5.45 kg | 2611-WN-60 |
| B | 220 - 240V 60Hz | 1,10 hp 0,80 kW | 0,55 kW | 300 mm | 6 - 8 | CE, IEC | 5.75 kg | 2612-WN-60 |
| B | 220 - 240V 60Hz | 1,75 hp 1,25 kW | 0,90 kW | 325 mm | 9 - 11 | CE, IEC | 7.55 kg | 2613-WN-60 |
| B | 220 - 240V 60Hz | 2,00 hp 1,50 kW | 1,10 kW | 325 mm | 12 - 15 | CE, IEC | 8.15 kg | 2614-WN-60 |

Jet pumps COMPACT with integrated c-profile and built-in electronic control



C-PROFILE

with integrated C-profile
suitable for mounting with quick fix vario (series 26111X) - see chapter legs

inclusive connecting box 230-7051E, clip bracket P-606733 and dry-running protection sensor 010133A
without electronic button (see chapter button)

cable length: 2 m with wire end ferrules

system of protection: IP X5

One mini jet is equivalent to about 3 micro jets.



| Photo | line voltage | input | output | length | mini jets | test mark | weight | Order No. |
|-------------------------------------|-----------------|-----------------|---------|--------|-----------|--------------|---------|-----------|
| with self-drain - 50 Hz | | | | | | | | |
| A | 220 - 240V 50Hz | 0,85 hp 0,65 kW | 0,45 kW | 300 mm | 4 - 6 | CE, ÖVE, IEC | 5.55 kg | 3611-WES |
| A | 220 - 240V 50Hz | 1,10 hp 0,80 kW | 0,55 kW | 300 mm | 6 - 8 | CE, ÖVE, IEC | 5.85 kg | 3612-WES |
| with cartridge drain - 50 Hz | | | | | | | | |
| B | 220 - 240V 50Hz | 0,85 hp 0,65 kW | 0,45 kW | 280 mm | 4 - 6 | CE, ÖVE, IEC | 5.5 kg | 3611-WCS |
| B | 220 - 240V 50Hz | 1,10 hp 0,80 kW | 0,55 kW | 280 mm | 6 - 8 | CE, ÖVE, IEC | 5.8 kg | 3612-WCS |
| C2 with self-drain - 50 Hz | | | | | | | | |
| C | 220 - 240V 50Hz | 0,85 hp 0,65 kW | 0,45 kW | 300 mm | 4 - 6 | CE, ÖVE, IEC | 5.5 kg | 4611-WES |
| C | 220 - 240V 50Hz | 1,10 hp 0,80 kW | 0,55 kW | 300 mm | 6 - 8 | CE, ÖVE, IEC | 5.8 kg | 4612-WES |



Main Catalogue system components for whirlpool tubs
Technical specifications and printing errors are subject to change
without prior notification. EN2122 © Copyright reserved.

Jet pumps BASIC infinitely variable for electronic control



* Nipple with 1/4" thread – different 1/4" connections possible - see chapter fitting

for electronic control (e.g. 230-8014A-S08, ...)

cable length: 2 m with wire end ferrules

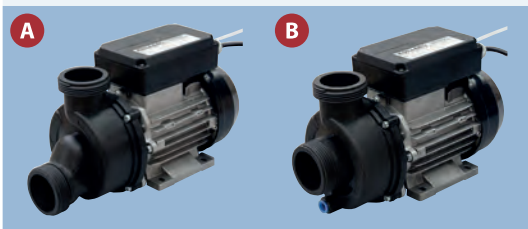
system of protection: IP X5

One mini jet is equivalent to about 3 micro jets.



| Photo | line voltage | input | output | length | mini jets | test mark | weight | Order No. |
|---|--------------|-----------------|---------|--------|-----------|-----------|--------|------------|
| with self-drain - 50 Hz | | | | | | | | |
| A | 230V 50Hz | 0,75 hp 0,55 kW | 0,37 kW | 326 mm | 4 - 6 | CE | 6.4 kg | 2611-BER-1 |
| A | 230V 50Hz | 1,00 hp 0,70 kW | 0,50 kW | 326 mm | 6 - 8 | CE | 6.5 kg | 2612-BER-1 |
| B | 230V 50Hz | 1,50 hp 1,10 kW | 0,75 kW | 345 mm | 7 - 8 | CE | 9 kg | 2613-BER |
| with evacuation nipple - 50 Hz * | | | | | | | | |
| C | 230V 50Hz | 0,75 hp 0,55 kW | 0,37 kW | 311 mm | 4 - 6 | CE | 6.3 kg | 2611-BNR-1 |
| C | 230V 50Hz | 1,00 hp 0,70 kW | 0,50 kW | 311 mm | 6 - 8 | CE | 6.4 kg | 2612-BNR-1 |
| D | 230V 50Hz | 1,50 hp 1,10 kW | 0,75 kW | 330 mm | 7 - 8 | CE | 8.9 kg | 2613-BNR |

Jet pumps COMPACT with built-in pneumatic control



connecting box with built-in pneumatic control
without pneumatic button (see chapter button)

cable length: 2 m with wire end ferrules

system of protection: IP X5

One mini jet is equivalent to about 3 micro jets.



| Photo | line voltage | input | output | length | mini jets | test mark | weight | Order No. |
|-------------------------------------|-----------------|-----------------|---------|--------|-----------|--------------|---------|-----------|
| with self-drain - 50 Hz | | | | | | | | |
| A | 220 - 240V 50Hz | 0,85 hp 0,65 kW | 0,45 kW | 299 mm | 4 - 6 | CE, ÖVE, IEC | 5.5 kg | 3611-UEP |
| A | 220 - 240V 50Hz | 1,10 hp 0,80 kW | 0,55 kW | 299 mm | 6 - 8 | CE, ÖVE, IEC | 6.05 kg | 3612-UEP |
| with cartridge drain - 50 Hz | | | | | | | | |
| B | 220 - 240V 50Hz | 0,85 hp 0,65 kW | 0,45 kW | 280 mm | 4 - 6 | CE, ÖVE, IEC | 5.5 kg | 3611-UCP |
| B | 220 - 240V 50Hz | 1,10 hp 0,80 kW | 0,55 kW | 280 mm | 6 - 8 | CE, ÖVE, IEC | 6.05 kg | 3612-UCP |



Jet pumps COMPACT with integrated c-profile and built-in pneumatic control


C-PROFILE

with integrated C-profile
suitable for mounting with quick fix vario (series 26111X) - see chapter legs

connecting box with built-in pneumatic control
without pneumatic button (see chapter button)

cable length: 2 m with wire end ferrules
system of protection: IP X5

One mini jet is equivalent to about 3 micro jets.



| Photo | line voltage | input | output | length | mini jets | test mark | weight | Order No. |
|-------------------------------------|-----------------|-----------------|---------|--------|-----------|--------------|---------|-------------|
| with self-drain - 50 Hz | | | | | | | | |
| A | 220 - 240V 50Hz | 0,85 hp 0,65 kW | 0,45 kW | 300 mm | 4 - 6 | CE, ÖVE, IEC | 5.3 kg | 3611-WEP |
| A | 220 - 240V 50Hz | 1,10 hp 0,80 kW | 0,55 kW | 300 mm | 6 - 8 | CE, ÖVE, IEC | 5.6 kg | 3612-WEP |
| B | 220 - 240V 50Hz | 0,85 hp 0,65 kW | 0,45 kW | 300 mm | 4 - 6 | CE, ÖVE, IEC | 5.25 kg | 4611-WEP |
| B | 220 - 240V 50Hz | 1,10 hp 0,80 kW | 0,55 kW | 300 mm | 6 - 8 | CE, ÖVE, IEC | 5.55 kg | 4612-WEP |
| with self-drain - 60 Hz | | | | | | | | |
| A | 220 - 240V 60Hz | 0,85 hp 0,65 kW | 0,45 kW | 300 mm | 4 - 6 | CE, IEC | 5.3 kg | 3611-WEP-60 |
| A | 220 - 240V 60Hz | 1,10 hp 0,80 kW | 0,55 kW | 300 mm | 6 - 8 | CE, IEC | 5.6 kg | 3612-WEP-60 |
| B | 220 - 240V 60Hz | 0,85 hp 0,65 kW | 0,45 kW | 300 mm | 4 - 6 | CE, IEC | 5.25 kg | 4611-WEP-60 |
| B | 220 - 240V 60Hz | 1,10 hp 0,80 kW | 0,55 kW | 300 mm | 6 - 8 | CE, IEC | 5.55 kg | 4612-WEP-60 |
| with cartridge drain - 50 Hz | | | | | | | | |
| C | 220 - 240V 50Hz | 0,85 hp 0,65 kW | 0,45 kW | 280 mm | 4 - 6 | CE, ÖVE, IEC | 5.25 kg | 3611-WCP |
| C | 220 - 240V 50Hz | 1,10 hp 0,80 kW | 0,55 kW | 280 mm | 6 - 8 | CE, ÖVE, IEC | 5.55 kg | 3612-WCP |
| with cartridge drain - 60 Hz | | | | | | | | |
| C | 220 - 240V 60Hz | 0,85 hp 0,65 kW | 0,45 kW | 280 mm | 4 - 6 | CE, IEC | 5.25 kg | 3611-WCP-60 |
| C | 220 - 240V 60Hz | 1,10 hp 0,80 kW | 0,55 kW | 280 mm | 6 - 8 | CE, IEC | 5.55 kg | 3612-WCP-60 |
| with self-drain - 50 Hz | | | | | | | | |
| D | 220 - 240V 50Hz | 0,85 hp 0,65 kW | 0,45 kW | 300 mm | 4 - 6 | CE, ÖVE, IEC | 5.25 kg | 4611-WEP-2 |
| D | 220 - 240V 50Hz | 1,10 hp 0,80 kW | 0,55 kW | 300 mm | 6 - 8 | CE, ÖVE, IEC | 5.55 kg | 4612-WEP-2 |

Jet pumps BASIC with built-in pneumatic control



* Nipple with 1/4" thread – different 1/4" connections possible - see chapter fitting

connecting box with built-in pneumatic control
without pneumatic button (see chapter button)

cable length: 2 m with wire end ferrules

system of protection: IP X5

One mini jet is equivalent to about 3 micro jets.

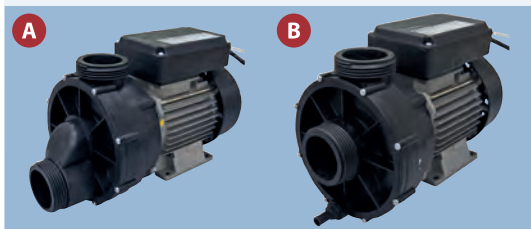


| Photo | line voltage | input | output | length | mini jets | test mark | weight | Order No. |
|---|-----------------|-----------------|---------|--------|-----------|--------------|---------|-----------|
| with self-drain - 50 Hz | | | | | | | | |
| A | 220 - 240V 50Hz | 0,85 hp 0,65 kW | 0,45 kW | 316 mm | 4 - 6 | CE, ÖVE, IEC | 5.8 kg | 2611-UEP |
| A | 220 - 240V 50Hz | 1,10 hp 0,80 kW | 0,55 kW | 316 mm | 6 - 8 | CE, ÖVE, IEC | 6.35 kg | 2612-UEP |
| A | 220 - 240V 50Hz | 1,75 hp 1,25 kW | 0,90 kW | 345 mm | 9 - 11 | CE, ÖVE, IEC | 8.65 kg | 2613-UEP |
| A | 220 - 240V 50Hz | 2,00 hp 1,50 kW | 1,10 kW | 345 mm | 12 - 15 | CE, ÖVE, IEC | 9.95 kg | 2614-UEP |
| with evacuation nipple - 50 Hz * | | | | | | | | |
| B | 220 - 240V 50Hz | 0,85 hp 0,65 kW | 0,45 kW | 301 mm | 4 - 6 | CE, ÖVE, IEC | 5.7 kg | 2611-UNP |
| B | 220 - 240V 50Hz | 1,10 hp 0,80 kW | 0,55 kW | 301 mm | 6 - 8 | CE, ÖVE, IEC | 6.25 kg | 2612-UNP |
| B | 220 - 240V 50Hz | 1,75 hp 1,25 kW | 0,90 kW | 330 mm | 9 - 11 | CE, ÖVE, IEC | 8.55 kg | 2613-UNP |
| B | 220 - 240V 50Hz | 2,00 hp 1,50 kW | 1,10 kW | 330 mm | 12 - 15 | CE, ÖVE, IEC | 9.85 kg | 2614-UNP |



Main Catalogue system components for whirlpool tubs
Technical specifications and printing errors are subject to change
without prior notification. EN2122 © Copyright reserved.

Jet pumps BASIC with integrated c-profile and built-in pneumatic control



C-PROFILE

* Nipple with 1/4" thread – different 1/4" connections possible - see chapter fitting

with integrated C-profile

suitable for mounting with quick fix vario (series 26111X) - see chapter legs

connecting box with built-in pneumatic control
without pneumatic button (see chapter button)

cable length: 2 m with wire end ferrules

system of protection: IP X5

One mini jet is equivalent to about 3 micro jets.



| Photo | line voltage | input | output | length | mini jets | test mark | weight | Order No. |
|---|-----------------|-----------------|---------|--------|-----------|--------------|--------|-----------|
| with self-drain - 50 Hz | | | | | | | | |
| A | 220 - 240V 50Hz | 0,85 hp 0,65 kW | 0,45 kW | 315 mm | 4 - 6 | CE, ÖVE, IEC | 5.6 kg | 2611-WEP |
| A | 220 - 240V 50Hz | 1,10 hp 0,80 kW | 0,55 kW | 315 mm | 6 - 8 | CE, ÖVE, IEC | 5.9 kg | 2612-WEP |
| A | 220 - 240V 50Hz | 1,75 hp 1,25 kW | 0,90 kW | 340 mm | 9 - 11 | CE, ÖVE, IEC | 7.7 kg | 2613-WEP |
| A | 220 - 240V 50Hz | 2,00 hp 1,50 kW | 1,10 kW | 340 mm | 12 - 15 | CE, ÖVE, IEC | 8.3 kg | 2614-WEP |
| with evacuation nipple - 50 Hz * | | | | | | | | |
| B | 220 - 240V 50Hz | 0,85 hp 0,65 kW | 0,45 kW | 300 mm | 4 - 6 | CE, ÖVE, IEC | 5.3 kg | 2611-WNP |
| B | 220 - 240V 50Hz | 1,10 hp 0,80 kW | 0,55 kW | 300 mm | 6 - 8 | CE, ÖVE, IEC | 5.7 kg | 2612-WNP |
| B | 220 - 240V 50Hz | 1,75 hp 1,25 kW | 0,90 kW | 325 mm | 9 - 11 | CE, ÖVE, IEC | 7.6 kg | 2613-WNP |
| B | 220 - 240V 50Hz | 2,00 hp 1,50 kW | 1,10 kW | 325 mm | 12 - 15 | CE, ÖVE, IEC | 8.2 kg | 2614-WNP |

Jet pumps COMPACT with integrated c-profile and built-in pneumatic control and pneumatic dry-running protection



C-PROFILE

with integrated C-profile
suitable for mounting with quick fix vario (series 26111X) - see chapter legs

connecting box with built-in pneumatic control
with pneumatic dry-running protection
without pneumatic button (see chapter button)

cable length: 2 m with wire end ferrules
system of protection: IP X5

One mini jet is equivalent to about 3 micro jets.

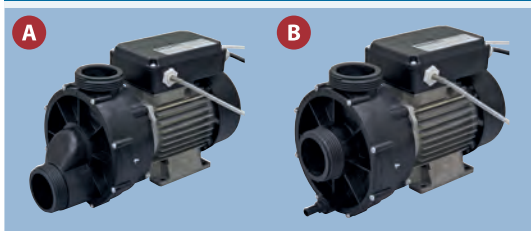


| Photo | line voltage | input | output | length | mini jets | test mark | weight | Order No. |
|-------------------------------------|-----------------|-----------------|---------|--------|-----------|--------------|---------|-------------|
| with self-drain - 50 Hz | | | | | | | | |
| A | 220 - 240V 50Hz | 0,85 hp 0,65 kW | 0,45 kW | 300 mm | 4 - 6 | CE, ÖVE, IEC | 5.35 kg | 3611-WEF |
| A | 220 - 240V 50Hz | 1,10 hp 0,80 kW | 0,55 kW | 300 mm | 6 - 8 | CE, ÖVE, IEC | 5.65 kg | 3612-WEF |
| with self-drain - 60 Hz | | | | | | | | |
| A | 220 - 240V 60Hz | 0,85 hp 0,65 kW | 0,45 kW | 300 mm | 4 - 6 | CE, IEC | 5.35 kg | 3611-WEF-60 |
| A | 220 - 240V 60Hz | 1,10 hp 0,80 kW | 0,55 kW | 300 mm | 6 - 8 | CE, IEC | 5.65 kg | 3612-WEF-60 |
| with cartridge drain - 50 Hz | | | | | | | | |
| B | 220 - 240V 50Hz | 0,85 hp 0,65 kW | 0,45 kW | 280 mm | 4 - 6 | CE, ÖVE, IEC | 5.3 kg | 3611-WCF |
| B | 220 - 240V 50Hz | 1,10 hp 0,80 kW | 0,55 kW | 280 mm | 6 - 8 | CE, ÖVE, IEC | 5.6 kg | 3612-WCF |
| with cartridge drain - 60 Hz | | | | | | | | |
| B | 220 - 240V 60Hz | 0,85 hp 0,65 kW | 0,45 kW | 280 mm | 4 - 6 | CE, IEC | 5.3 kg | 3611-WCF-60 |
| B | 220 - 240V 60Hz | 1,10 hp 0,80 kW | 0,55 kW | 280 mm | 6 - 8 | CE, IEC | 5.6 kg | 3612-WCF-60 |



Main Catalogue system components for whirlpool tubs
Technical specifications and printing errors are subject to change
without prior notification. EN2122 © Copyright reserved.

Jet pumps BASIC with integrated c-profile and built-in pneumatic control and pneumatic dry-running protection


C-PROFILE

* Nipple with 1/4" thread – different 1/4" connections possible - see chapter fitting

with integrated C-profile

suitable for mounting with quick fix vario (series 26111X) - see chapter legs

connecting box with built-in pneumatic control

with pneumatic dry-running protection

without pneumatic button (see chapter button)

cable length: 2 m with wire end ferrules

system of protection: IP X5

One mini jet is equivalent to about 3 micro jets.



| Photo | line voltage | input | output | length | mini jets | test mark | weight | Order No. |
|---|-----------------|-----------------|---------|--------|-----------|--------------|---------|-----------|
| with self-drain - 50 Hz | | | | | | | | |
| A | 220 - 240V 50Hz | 0,85 hp 0,65 kW | 0,45 kW | 315 mm | 4 - 6 | CE, ÖVE, IEC | 5.65 kg | 2611-WEF |
| A | 220 - 240V 50Hz | 1,10 hp 0,80 kW | 0,55 kW | 315 mm | 6 - 8 | CE, ÖVE, IEC | 5.95 kg | 2612-WEF |
| A | 220 - 240V 50Hz | 1,75 hp 1,25 kW | 0,90 kW | 340 mm | 9 - 11 | CE, ÖVE, IEC | 7.75 kg | 2613-WEF |
| A | 220 - 240V 50Hz | 2,00 hp 1,50 kW | 1,10 kW | 340 mm | 12 - 15 | CE, ÖVE, IEC | 8.35 kg | 2614-WEF |
| with evacuation nipple - 50 Hz * | | | | | | | | |
| B | 220 - 240V 50Hz | 0,85 hp 0,65 kW | 0,45 kW | 315 mm | 4 - 6 | CE, ÖVE, IEC | 5.55 kg | 2611-WNF |
| B | 220 - 240V 50Hz | 1,10 hp 0,80 kW | 0,55 kW | 315 mm | 6 - 8 | CE, ÖVE, IEC | 5.85 kg | 2612-WNF |
| B | 220 - 240V 50Hz | 1,75 hp 1,25 kW | 0,90 kW | 340 mm | 9 - 11 | CE, ÖVE, IEC | 7.65 kg | 2613-WNF |
| B | 220 - 240V 50Hz | 2,00 hp 1,50 kW | 1,10 kW | 340 mm | 12 - 15 | CE, ÖVE, IEC | 8.25 kg | 2614-WNF |

| JET PUMP | | | | Order No. |
|---|--|---------------|---------------|-----------|
|  | Jet pump ECOLution with self-drain series 171X-E without motor material: plastic glass fibre reinforced thread: S 62 x 3 mm | | | |
| | | length | weight | |
| | | 140 mm | 470 g | 1711-E |
| | | 140 mm | 470 g | 1712-E |
| | | 140 mm | 480 g | 1713-E |
|  | Jet pump ECOLution with evacuation nipple series 171X-N without motor material: plastic glass fibre reinforced thread: S 62 x 3 mm | | | |
| | | length | weight | |
| | | 110 mm | 420 g | 1711-N |
| | | 110 mm | 420 g | 1712-N |
| | | 110 mm | 430 g | 1713-N |
|  | Jet pump ECOLution with cartridge drain series 171X-C without motor material: plastic glass fibre reinforced thread: S 62 x 3 mm | | | |
| | | length | weight | |
| | | 100 mm | 420 g | 1711-C |
| | | 100 mm | 420 g | 1712-C |
| | | 100 mm | 440 g | 1713-C |
|  | Jet pump BASIC with evacuation nipple series 261X-N without motor material: plastic glass fibre reinforced thread: S 62 x 3 mm | | | |
| | | length | weight | |
| | | 115 mm | 700 g | 2611-N |
| | | 115 mm | 700 g | 2612-N |
| | | 115 mm | 750 g | 2613-N |
|  | Jet pump BASIC with evacuation nipple series 261X-N without motor material: plastic glass fibre reinforced thread: S 62 x 3 mm | | | |
| | | length | weight | |
| | | 115 mm | 750 g | 2614-N |
| | | | | |
| | | | | |

| JET PUMP | | | Order No. | | | | | | | | | | | | | | |
|---|--|--|-----------|--------|--------|-------|--------|-------|---|--------|--|----------|---|--------|--------|--------|--------|
|  | Jet pump BASIC with self-drain series 261X-E without motor material: plastic glass fibre reinforced thread: S 62 x 3 mm | | | | | | | | | | | | | | | | |
| | | <table><tr><th>length</th><th>weight</th></tr><tr><td>130 mm</td><td>800 g</td></tr><tr><td>130 mm</td><td>800 g</td></tr><tr><td>130 mm</td><td>850 g</td></tr><tr><td>130 mm</td><td>850 g</td></tr></table> | length | weight | 130 mm | 800 g | 130 mm | 800 g | 130 mm | 850 g | 130 mm | 850 g | <table><tr><td>2611-E</td></tr><tr><td>2612-E</td></tr><tr><td>2613-E</td></tr><tr><td>2614-E</td></tr></table> | 2611-E | 2612-E | 2613-E | 2614-E |
| | length | weight | | | | | | | | | | | | | | | |
| | 130 mm | 800 g | | | | | | | | | | | | | | | |
| | 130 mm | 800 g | | | | | | | | | | | | | | | |
| 130 mm | 850 g | | | | | | | | | | | | | | | | |
| 130 mm | 850 g | | | | | | | | | | | | | | | | |
| 2611-E | | | | | | | | | | | | | | | | | |
| 2612-E | | | | | | | | | | | | | | | | | |
| 2613-E | | | | | | | | | | | | | | | | | |
| 2614-E | | | | | | | | | | | | | | | | | |
| suitable for: motors with 50 Hz It is possible to get engineering data on request. | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
|  | Jet pump COMPACT with self-drain series 361X-E without motor material: plastic glass fibre reinforced thread: S 62 x 3 mm | | | | | | | | | | | | | | | | |
| | | <table><tr><th>length</th><th>weight</th></tr><tr><td>113 mm</td><td>500 g</td></tr><tr><td>113 mm</td><td>500 g</td></tr></table> | length | weight | 113 mm | 500 g | 113 mm | 500 g | <table><tr><td>3611-E</td></tr><tr><td>3612-E</td></tr></table> | 3611-E | 3612-E | | | | | | |
| | length | weight | | | | | | | | | | | | | | | |
| | 113 mm | 500 g | | | | | | | | | | | | | | | |
| | 113 mm | 500 g | | | | | | | | | | | | | | | |
| 3611-E | | | | | | | | | | | | | | | | | |
| 3612-E | | | | | | | | | | | | | | | | | |
| suitable for: motors with 50 Hz It is possible to get engineering data on request. | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
|  | Jet pump COMPACT with cartridge drain series 361X-C without motor material: plastic glass fibre reinforced thread: S 62 x 3 mm | | | | | | | | | | | | | | | | |
| | | <table><tr><th>length</th><th>weight</th></tr><tr><td>94 mm</td><td>500 g</td></tr><tr><td>94 mm</td><td>500 g</td></tr></table> | length | weight | 94 mm | 500 g | 94 mm | 500 g | <table><tr><td>3611-C</td></tr><tr><td>3612-C</td></tr></table> | 3611-C | 3612-C | | | | | | |
| | length | weight | | | | | | | | | | | | | | | |
| | 94 mm | 500 g | | | | | | | | | | | | | | | |
| | 94 mm | 500 g | | | | | | | | | | | | | | | |
| 3611-C | | | | | | | | | | | | | | | | | |
| 3612-C | | | | | | | | | | | | | | | | | |
| suitable for: motors with 50 Hz It is possible to get engineering data on request. | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
|  | Jet pump COMPACT C2 with self-drain series 461X-E without motor material: plastic glass fibre reinforced thread: S 62 x 3 mm | | | | | | | | | | | | | | | | |
| | | <table><tr><th>length</th><th>weight</th></tr><tr><td>113 mm</td><td>520 g</td></tr><tr><td>113 mm</td><td>520 g</td></tr></table> | length | weight | 113 mm | 520 g | 113 mm | 520 g | <table><tr><td>4611-E</td></tr><tr><td>4612-E</td></tr></table> | 4611-E | 4612-E | | | | | | |
| | length | weight | | | | | | | | | | | | | | | |
| | 113 mm | 520 g | | | | | | | | | | | | | | | |
| | 113 mm | 520 g | | | | | | | | | | | | | | | |
| 4611-E | | | | | | | | | | | | | | | | | |
| 4612-E | | | | | | | | | | | | | | | | | |
| suitable for: motors with 50 Hz It is possible to get engineering data on request. | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
|  | Union series 858 thread: S 62 x 3 mm | | | | | | | | | | | | | | | | |
| | | <table><tr><th>Ø</th><th>weight</th></tr><tr><td>32 mm</td><td>75 g</td></tr><tr><td>40 mm</td><td>78 g</td></tr><tr><td>50 mm</td><td>74 g</td></tr></table> | Ø | weight | 32 mm | 75 g | 40 mm | 78 g | 50 mm | 74 g | <table><tr><td>P-858-32</td></tr><tr><td>858-40</td></tr><tr><td>858</td></tr></table> | P-858-32 | 858-40 | 858 | | | |
| | Ø | weight | | | | | | | | | | | | | | | |
| | 32 mm | 75 g | | | | | | | | | | | | | | | |
| | 40 mm | 78 g | | | | | | | | | | | | | | | |
| 50 mm | 74 g | | | | | | | | | | | | | | | | |
| P-858-32 | | | | | | | | | | | | | | | | | |
| 858-40 | | | | | | | | | | | | | | | | | |
| 858 | | | | | | | | | | | | | | | | | |
| suitable for: all jet pumps, heatings | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |

| JET PUMP | | Order No. | | | | | | | | | |
|---|---|---|-------------|---------|--------|-------|---|-------|-------|---|-------|
|  | <p>Union 858-A fitting in fitting</p> <p>thread: S 62 x 3 mm</p> <p>suitable for: all jet pumps, heatings</p> | <p>Ø weight 50 mm 71 g</p> <p>P-858-A</p> | | | | | | | | | |
|  | <p>Union 858-1 with shared screw nut</p> <p>thread: S 62 x 3 mm</p> <p>suitable for: all jet pumps, heatings</p> <p>Option of retrofitting a 1/4" thread. (e.g. disinfection, hose nipple, ...)</p> | <p>Ø weight 50 mm 73 g</p> <p>P-858-1</p> | | | | | | | | | |
| <p>WILL BE DISCONTINUED</p>  | <p>Union asymmetric 858-320</p> <p>adhesive socket Ø: 32 mm thread: S 62 x 3 mm weight: 124 g</p> | <p>P-858-320</p> | | | | | | | | | |
|  | <p>threaded ring 0623-50</p> <p>thread: S 62 x 3 mm</p> | <p>Ø weight 50 mm 24 g</p> <p>P-0623-50</p> | | | | | | | | | |
|  | <p>Tee union with cartridge series 8601X-X with shared screw nut</p> <p>thread: S 62 x 3 mm</p> <p>suitable for: all jet pumps</p> | <table> <tr> <th>cartridge Ø</th><th>outlets</th><th>weight</th></tr> <tr> <td>12 mm</td><td>6</td><td>181 g</td></tr> <tr> <td>12 mm</td><td>8</td><td>192 g</td></tr> </table> <p>P-86012-6 P-86012-8</p> | cartridge Ø | outlets | weight | 12 mm | 6 | 181 g | 12 mm | 8 | 192 g |
| cartridge Ø | outlets | weight | | | | | | | | | |
| 12 mm | 6 | 181 g | | | | | | | | | |
| 12 mm | 8 | 192 g | | | | | | | | | |

| JET PUMP | | Order No. |
|---|---|----------------------|
|  | Elbow 90° 859-40 with shared screw nut thread: S 62 x 3 mm adhesive socket Ø: 40 mm (inside) 50 mm (outside) weight 157 g | P-859-40 |
| | suitable for: all jet pumps, heatings | |
|  | Elbow 90° 859-50 with shared screw nut thread: S 62 x 3 mm weight 50 mm 163 g | P-859-50 |
| | suitable for: all jet pumps, heatings Option of retrofitting a 1/4" thread. (e.g. disinfection, hose nipple, ...) | |
|  | Elbow 67° series 859-42 with shared screw nut thread: S 62 x 3 mm weight 40 mm 177 g 50 mm 147 g | P-859-42 P-859-52 |
| | suitable for: all jet pumps, heatings Option of retrofitting a 1/4" thread. (e.g. disinfection, hose nipple, ...) | |
|  | Elbow 45° series 859-41 with shared screw nut thread: S 62 x 3 mm weight 40 mm 163 g 50 mm 131 g | P-859-41 P-859-51 |
| | suitable for: all jet pumps, heatings Option of retrofitting a 1/4" thread. (e.g. disinfection, hose nipple, ...) | |
|  | Elbow 23° series 859-43 with shared screw nut thread: S 62 x 3 mm weight 40 mm 150 g 50 mm 127 g | P-859-43 P-859-53 |
| | suitable for: all jet pumps, heatings Option of retrofitting a 1/4" thread. (e.g. disinfection, hose nipple, ...) | |



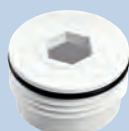
| JET PUMP | | | | Order No. | | | | | | | | | |
|---|---|---|---------------|-----------|----------------------|----------------------|---------------|---|-------|------|--------------------------------------|-------|------|
|  | Leg 857-1 full of rubber, no screws assemble friendly weight: 10 g suitable for: all blowers, jet pumps of the series: 1711, 1712, 1713, 2611, 2612, 3611, 3612, 4611, 4612 | | | 857-1 | | | | | | | | | |
| |  | Leg 857 with 2 nuts <table><tr><td>suitable for:</td><td>thread length</td><td>weight</td></tr><tr><td>all blowers and all jet pumps (except 2613-UX, 2614-UX)</td><td>15 mm</td><td>34 g</td></tr><tr><td>all blowers and all jet pumps</td><td>18 mm</td><td>38 g</td></tr></table> | | | suitable for: | thread length | weight | all blowers and all jet pumps (except 2613-UX, 2614-UX) | 15 mm | 34 g | all blowers and all jet pumps | 18 mm | 38 g |
| suitable for: | | thread length | weight | | | | | | | | | | |
| all blowers and all jet pumps (except 2613-UX, 2614-UX) | 15 mm | 34 g | | | | | | | | | | | |
| all blowers and all jet pumps | 18 mm | 38 g | | | | | | | | | | | |



two way and multiway valve Flatline - structure



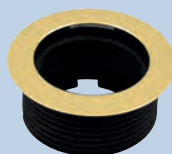
C-M00420-21
C-M00420-22



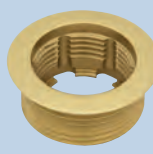
P-X-M00420-20



C-M00420-20



C-M20112-10



C-M00112-10
C-M00112-11
C-M00112-12



P-73032-9



P-73132-9



P-73232-9

Please replace the X by the desired color code shown on the inside front cover legend!

| JET PUMP | | Order No. | | | | | | | | |
|---|---|--------------------------------|----------------|--------|-------------|-------|------|------------|-------|------|
|  | Flatline lever M00420-2X material: brass | | | | | | | | | |
| | <table> <thead> <tr> <th>wall thickness</th><th>overall length</th><th>weight</th></tr> </thead> <tbody> <tr> <td>3,5 - 10 mm</td><td>32 mm</td><td>65 g</td></tr> <tr> <td>12 - 25 mm</td><td>50 mm</td><td>73 g</td></tr> </tbody> </table> suitable for: two way valve: P-73032-9, P-73132-9 multi way valve: P-73232-9 | wall thickness | overall length | weight | 3,5 - 10 mm | 32 mm | 65 g | 12 - 25 mm | 50 mm | 73 g |
| wall thickness | overall length | weight | | | | | | | | |
| 3,5 - 10 mm | 32 mm | 65 g | | | | | | | | |
| 12 - 25 mm | 50 mm | 73 g | | | | | | | | |
|  | Flatline inner part for two way and multiway valve P-X-M00420-20 material: plastic wrench size: 12 mm hexagonal (hex key) key: N-0144 weight: 8 g inclusive: o-ring (30 x 2 mm) suitable for: Flatline midi jet body: C-M00112-10, C-M00112-11, C-M00112-12 Flatline midi cluster jet body: C-M20112-10 | P-W-M00420-20 P-C-M00420-20 | | | | | | | | |
|  | Flatline inner part for two way and multiway valve M00420-20 material: brass wrench size: 12 mm hexagonal (hex key) key: N-0144 weight: 54 g inclusive: o-ring (30 x 2 mm) suitable for: Flatline midi jet body: C-M00112-10, C-M00112-11, C-M00112-12 Flatline midi cluster jet body: C-M20112-10 | C-M00420-20 | | | | | | | | |

| JET PUMP | | | | Order No. | | | | | | | | | | | | | | | | |
|---|---|----------------|---------------|----------------|----------------|---------------|--------|-------------|---------|-------|------|------------|---------|-------|-------|------------|---------|-------|-------|---|
|  | Flatline midi jet body series M00112-XX with drain of the remaining water | | | | | | | | | | | | | | | | | | | |
| | material: brass outside Ø: 50 mm drill Ø: 41 mm key: P-0143-10 | | | | | | | | | | | | | | | | | | | |
| | <table><thead><tr><th>wall thickness</th><th>overall length</th><th>thread length</th><th>weight</th></tr></thead><tbody><tr><td>3,5 - 10 mm</td><td>21.5 mm</td><td>20 mm</td><td>82 g</td></tr><tr><td>12 - 18 mm</td><td>29.5 mm</td><td>28 mm</td><td>100 g</td></tr><tr><td>20 - 25 mm</td><td>36.5 mm</td><td>35 mm</td><td>117 g</td></tr></tbody></table> | | | wall thickness | overall length | thread length | weight | 3,5 - 10 mm | 21.5 mm | 20 mm | 82 g | 12 - 18 mm | 29.5 mm | 28 mm | 100 g | 20 - 25 mm | 36.5 mm | 35 mm | 117 g | C-M00112-10 C-M00112-11 C-M00112-12 |
| | wall thickness | overall length | thread length | weight | | | | | | | | | | | | | | | | |
| 3,5 - 10 mm | 21.5 mm | 20 mm | 82 g | | | | | | | | | | | | | | | | | |
| 12 - 18 mm | 29.5 mm | 28 mm | 100 g | | | | | | | | | | | | | | | | | |
| 20 - 25 mm | 36.5 mm | 35 mm | 117 g | | | | | | | | | | | | | | | | | |
| suitable for: midi jet: P-0016, P-0016-L, P-0016-R, P-0016-A, P-0016-2-L, P-0016-2-R, P-0016-3-L, P-0016-3-R, P-0216, P-0017, P-0017-L, P-0017-R, P-0017-A, P-0017-2-L, P-0017-2-R, P-0017-3-L, P-0017-3-R, P-0017-4-L, P-0017-4-R, P-0017-6, P-0017-7 mini jet: P-0012, P-0013, P-0011 midi clip jet: P-1017, P-1017-L, P-1017-R, P-1117 cartridge jet: P-11208-L, P-11208-R, P-11608-L, P-11608-R, P-11212-1-L, P-11212-1-R, P-23212 swivel jet: P-0021 two way valve: P-73032-9, P-73132-9 multi way valve: P-73232-9 future jet: P-0025, P-0025-08 | | | | | | | | | | | | | | | | | | | | |

| <div>WILL BE DISCONTINUED</div>  | Flatline midi cluster jet body M20112-10 with drain of the remaining water | | | | | | | | | | | |
|---|---|----------------|---------------|----------------|----------------|---------------|--------|-------------|---------|-------|------|-------------|
| | material: brass / plastic outside Ø: 50 mm drill Ø: 41 mm key: P-0143-10 | | | | | | | | | | | |
| | <table><thead><tr><th>wall thickness</th><th>overall length</th><th>thread length</th><th>weight</th></tr></thead><tbody><tr><td>3,5 - 10 mm</td><td>22.5 mm</td><td>21 mm</td><td>28 g</td></tr></tbody></table> | | | wall thickness | overall length | thread length | weight | 3,5 - 10 mm | 22.5 mm | 21 mm | 28 g | C-M20112-10 |
| | wall thickness | overall length | thread length | weight | | | | | | | | |
| 3,5 - 10 mm | 22.5 mm | 21 mm | 28 g | | | | | | | | | |
| suitable for: midi jet: P-0016, P-0016-L, P-0016-R, P-0016-A, P-0016-2-L, P-0016-2-R, P-0016-3-L, P-0016-3-R, P-0216, P-0017, P-0017-L, P-0017-R, P-0017-A, P-0017-2-L, P-0017-2-R, P-0017-3-L, P-0017-3-R, P-0017-4-L, P-0017-4-R, P-0017-6, P-0017-7 mini jet: P-0012, P-0013, P-0011 midi clip jet: P-1017, P-1017-L, P-1017-R, P-1117 cartridge jet: P-11208-L, P-11208-R, P-11608-L, P-11608-R, P-11212-1-L, P-11212-1-R, P-23212 swivel jet: P-0021 two way valve: P-73032-9, P-73132-9 multi way valve: P-73232-9 future jet: P-0025, P-0025-08 | | | | | | | | | | | | |

suitable for:

midi jet: P-0016, P-0016-L, P-0016-R, P-0016-A, P-0016-2-L, P-0016-2-R, P-0016-3-L, P-0016-3-R, P-0216, P-0017, P-0017-L, P-0017-R, P-0017-A, P-0017-2-L, P-0017-2-R, P-0017-3-L, P-0017-3-R, P-0017-4-L, P-0017-4-R, P-0017-6, P-0017-7
 mini jet: P-0012, P-0013, P-0011
 midi clip jet: P-1017, P-1017-L, P-1017-R, P-1117
 cartridge jet: P-11208-L, P-11208-R, P-11608-L, P-11608-R, P-11212-1-L, P-11212-1-R, P-23212
 swivel jet: P-0021
 two way valve: P-73032-9, P-73132-9
 multi way valve: P-73232-9
 future jet: P-0025, P-0025-08

| wall thickness | overall length | thread length | weight |
|----------------|----------------|---------------|--------|
| 3,5 - 10 mm | 21.5 mm | 20 mm | 82 g |
| 12 - 18 mm | 29.5 mm | 28 mm | 100 g |
| 20 - 25 mm | 36.5 mm | 35 mm | 117 g |

WILL BE DISCONTINUED

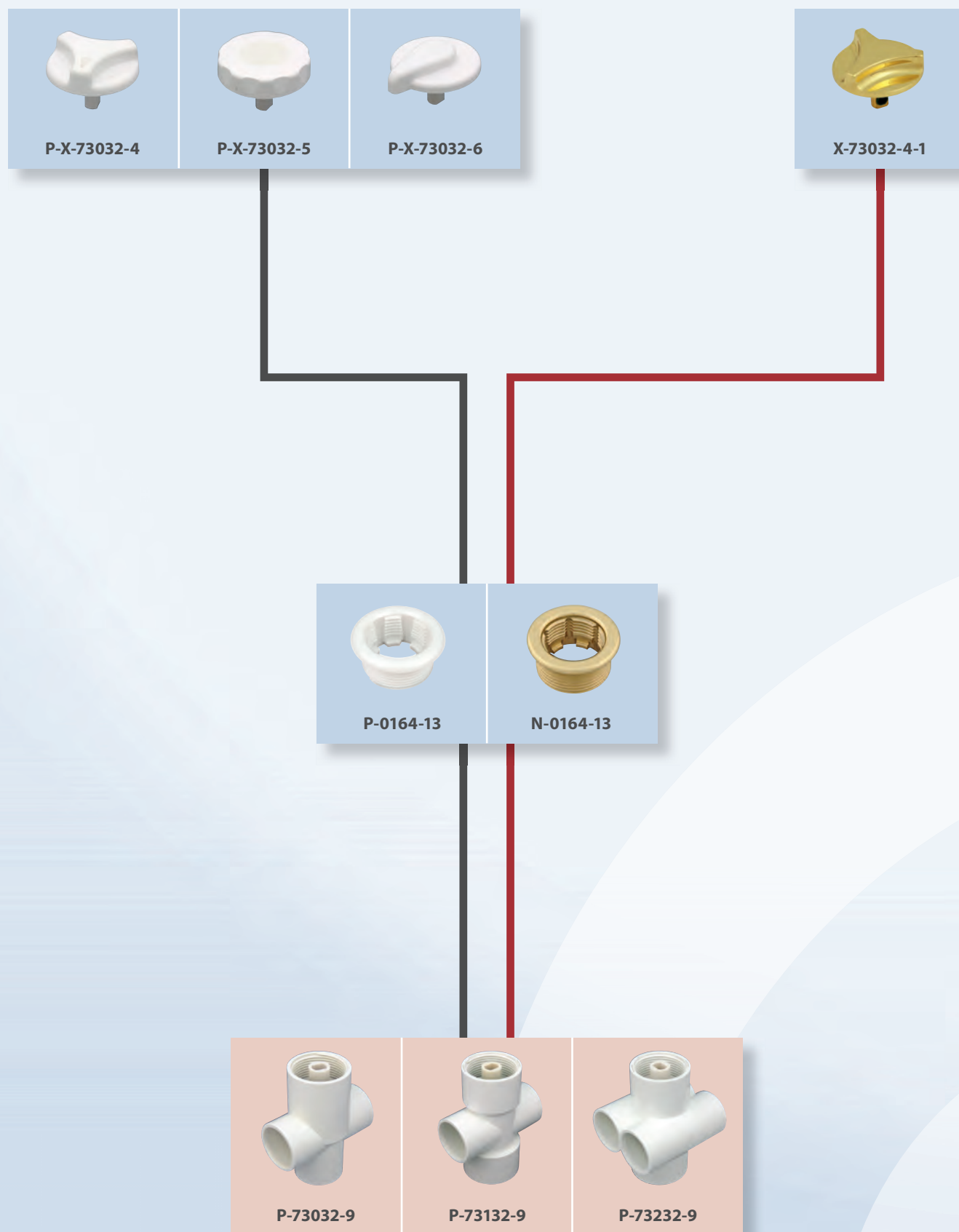
suitable for:

midi jet: P-0016, P-0016-L, P-0016-R, P-0016-A, P-0016-2-L, P-0016-2-R, P-0016-3-L, P-0016-3-R, P-0216, P-0017, P-0017-L, P-0017-R, P-0017-A, P-0017-2-L, P-0017-2-R, P-0017-3-L, P-0017-3-R, P-0017-4-L, P-0017-4-R, P-0017-6, P-0017-7
 mini jet: P-0012, P-0013, P-0011
 midi clip jet: P-1017, P-1017-L, P-1017-R, P-1117
 cartridge jet: P-11208-L, P-11208-R, P-11608-L, P-11608-R, P-11212-1-L, P-11212-1-R, P-23212
 swivel jet: P-0021
 two way valve: P-73032-9, P-73132-9
 multi way valve: P-73232-9
 future jet: P-0025, P-0025-08

| wall thickness | overall length | thread length | weight |
|----------------|----------------|---------------|--------|
| 3,5 - 10 mm | 22.5 mm | 21 mm | 28 g |



two way and multiway valve - structure



Please replace the X by the desired color code shown on the inside front cover legend!

| JET PUMP | Order No. |
|---|---|
|  <p>Two way and multiway valve cover P-X-73032-4 material: plastic cover Ø: 56 mm weight: 14 g</p> <p>suitable for: two way valve: P-73032-9, P-73132-9 multi way valve: P-73232-9</p> | P-W-73032-4 P-C-73032-4 |
|  <p>Two way and multiway valve cover 73032-5 material: plastic cover Ø: 56 mm weight: 12 g</p> <p>suitable for: two way valve: P-73032-9, P-73132-9 multi way valve: P-73232-9</p> | P-W-73032-5 P-C-73032-5 |
|  <p>Two way and multiway valve cover 73032-6 material: plastic cover Ø: 56 mm weight: 13 g</p> <p>suitable for: two way valve: P-73032-9, P-73132-9 multi way valve: P-73232-9</p> | P-W-73032-6 P-C-73032-6 |
|  <p>Two way and multiway valve cover X-73032-4-1 material: brass cover Ø: 55 mm weight: 125 g</p> <p>suitable for: two way valve: P-73032-9, P-73132-9 multi way valve: P-73232-9</p> | C-73032-4-1 B-73032-4-1 GP-73032-4-1 W-73032-4-1 |



| JET PUMP | | Order No. | | | | | | | | |
|---|--|----------------|----------------|---------------|--------|----------|-------|-------|-------|-----------|
|  | <p>Midi jet body P-0164-13</p> <p>with drain of the remaining water</p> <p>material: plastic outside Ø: 50 mm drill Ø: 41 mm key: P-0143-10 N-0143-1</p> <table><tr><th>wall thickness</th><th>overall length</th><th>thread length</th><th>weight</th></tr><tr><td>3 - 9 mm</td><td>23 mm</td><td>20 mm</td><td>11 g</td></tr></table> <p>suitable for: midi jet: series 0X16, series 0017 midi clip jet: series 1X17 cartridge jet: 23212, series 11X08, series 11212 mini jet: 0012, 0013, 0011 future jet: P-0025, P-0025-08 two way valve: P-73032-9, P-73132-9 multiway valve: P-73232-9</p> | wall thickness | overall length | thread length | weight | 3 - 9 mm | 23 mm | 20 mm | 11 g | P-0164-13 |
| wall thickness | overall length | thread length | weight | | | | | | | |
| 3 - 9 mm | 23 mm | 20 mm | 11 g | | | | | | | |
| <div>WILL BE DISCONTINUED</div>  | <p>Midi jet body N-0164-13</p> <p>with drain of the remaining water</p> <p>material: brass outside Ø: 50 mm drill Ø: 41 mm key: P-0143-10 N-0143-1</p> <table><tr><th>wall thickness</th><th>overall length</th><th>thread length</th><th>weight</th></tr><tr><td>3 - 9 mm</td><td>25 mm</td><td>22 mm</td><td>105 g</td></tr></table> <p>suitable for: midi jet: series 0X16, series 0017 midi clip jet: series 1X17 cartridge jet: 23212, series 11X08, series 11212 mini jet: 0012, 0013, 0011 future jet: P-0025, P-0025-08 two way valve: P-73032-9, P-73132-9 multiway valve: P-73232-9</p> | wall thickness | overall length | thread length | weight | 3 - 9 mm | 25 mm | 22 mm | 105 g | N-0164-13 |
| wall thickness | overall length | thread length | weight | | | | | | | |
| 3 - 9 mm | 25 mm | 22 mm | 105 g | | | | | | | |
|  | <p>Two way valve 73032-9</p> <p>material: plastic connection Ø : 32 mm (inside) 40 mm (outside) outputs: 2 output Ø: 32 mm fitting length: 100 mm weight: 121 g</p> <p>Functional description: The supplying takes place through a jet pump and depending on the position the two way valve releases the 2 outlets for the jets.</p> <p>suitable for: installation at the edge of the tub</p> | P-73032-9 | | | | | | | | |
|  | <p>Two way valve 73132-9</p> <p>material: plastic connection Ø : 40 mm (inside) 50 mm (outside) outputs: 2 output Ø: 32 mm fitting length: 105 mm weight: 124 g</p> <p>Functional description: The supplying takes place through a jet pump and depending on the position the two way valve releases the 2 outlets for the jets.</p> <p>suitable for: installation at the edge of the tub</p> | P-73132-9 | | | | | | | | |

| JET PUMP | Order No. |
|--|-----------|
|  <p>Multiway valve 73232-9</p> <p>material: plastic connection Ø : 40 mm (inside) 50 mm (outside)</p> <p>outputs: 4 output Ø: 32 mm fitting length: 105 mm weight: 170 g</p> <p>Functional description: The supplying takes place through a jet pump and depending on the position the multiway valve releases the 4 outlets for the jets.</p> <p>suitable for: installation at the edge of the tub</p> | P-73232-9 |
|  <p>Two way valve with motor drive P-73032MO</p> <p>line voltage: 12V DC cable length: 2 m with connector system of protection: IP X5 connection Ø : 32 mm (inside) 40 mm (outside)</p> <p>outputs: 2 output Ø: 32 mm (inside) fitting length: 189 mm weight: 540 g</p> <p>Functional description: The feed is projected by a jet pump. The two-way valve opens the exit depending on the position.</p> <p>consists of: 1 pc. motor drive 012-5241A-T 1 pc. valve unit P-5241-V21</p> | P-73032MO |
|  <p>Four way valve with motor drive P-73232MO</p> <p>line voltage: 12V DC cable length: 2 m with connector system of protection: IP X5 connection Ø : 40 mm (inside) 50 mm (outside)</p> <p>outputs: 4 output Ø: 32 mm (inside) fitting length: 194 mm weight: 600 g</p> <p>Functional description: The feed is projected by a jet pump. The four-way valve opens the two exits depending on the position.</p> <p>consists of: 1 pc. motor drive 012-5241A-T 1 pc. valve unit P-5241-V41</p> | P-73232MO |

| JET PUMP | Order No. |
|---|-----------|
|  <p>Dual switch 133-DS switch/button activated by a button on the edge of the tub</p> <p>weight: 30 g</p> <p>suitable for: all jet pumps with pneumatic dry-running protection sensor</p> | 133-DS |
|  <p>Water pressure switch 6773-WPS activated by the pressure outlet side of the pump</p> <p>weight: 24 g</p> <p>suitable for: all jet pumps with pneumatic dry-running protection sensor</p> | 6773-WPS |
|  <p>Pneumatic button 6871-PS weight: 18 g</p> <p>suitable for: all blowers and pumps with pneumatic construction</p> <p>ATTENTION! not suitable for pumps with pneumatic dry-running protection sensor</p> | 6871-PS |

AIR JET

9

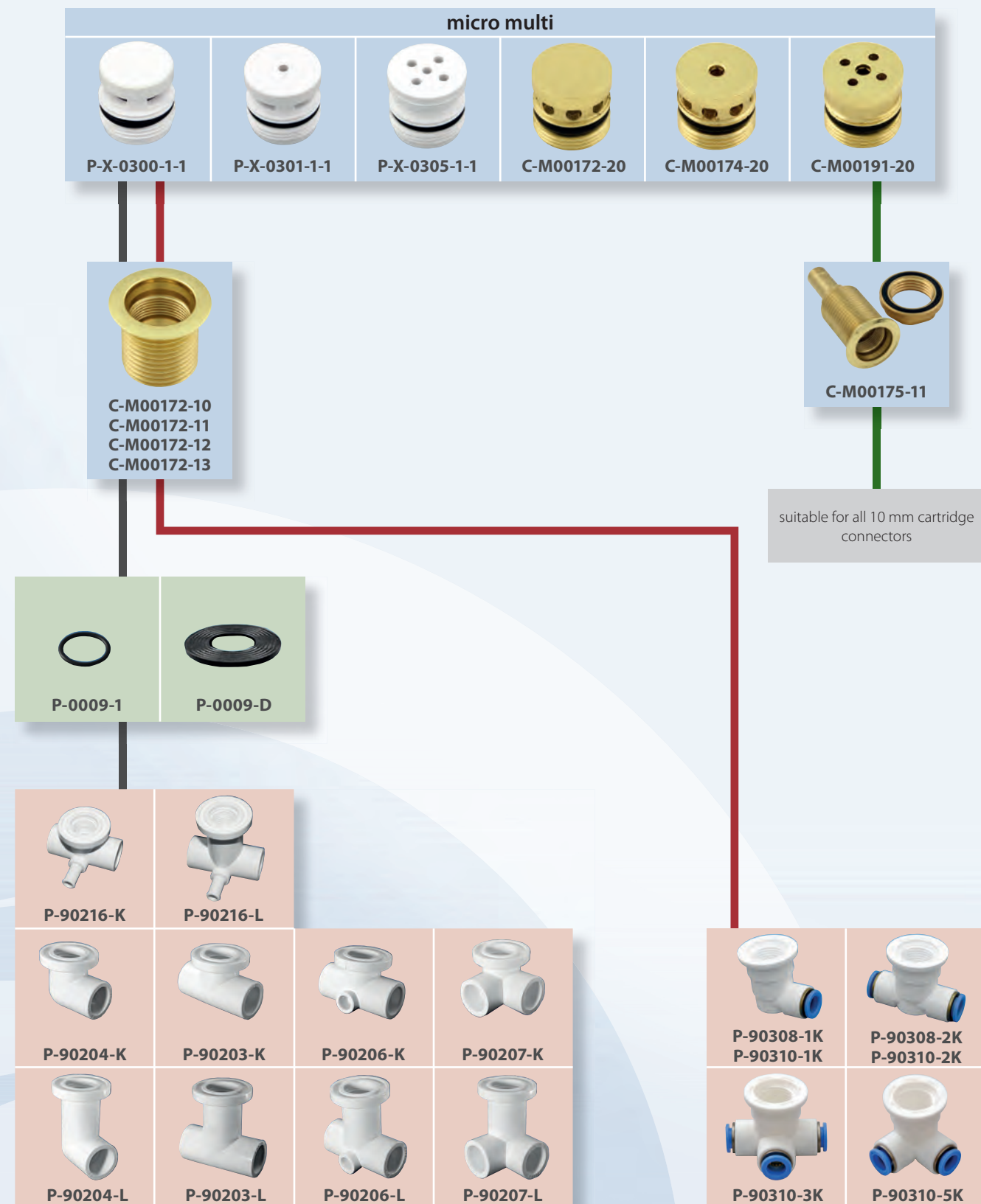


Features - Air Jet

- Various pipe installation systems: glued, cartridge, clip on
- Wide choice of covers in various designs and materials
- Jet bodies in various lengths
- Huge range of connection fittings
- Whisper jets – relax massage
- Also available in Flatline versions






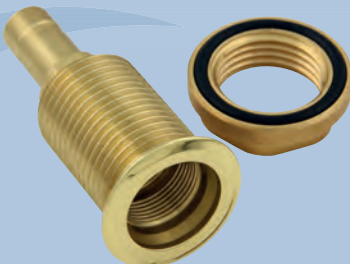
Air jet Micro Multi Flatline - structure



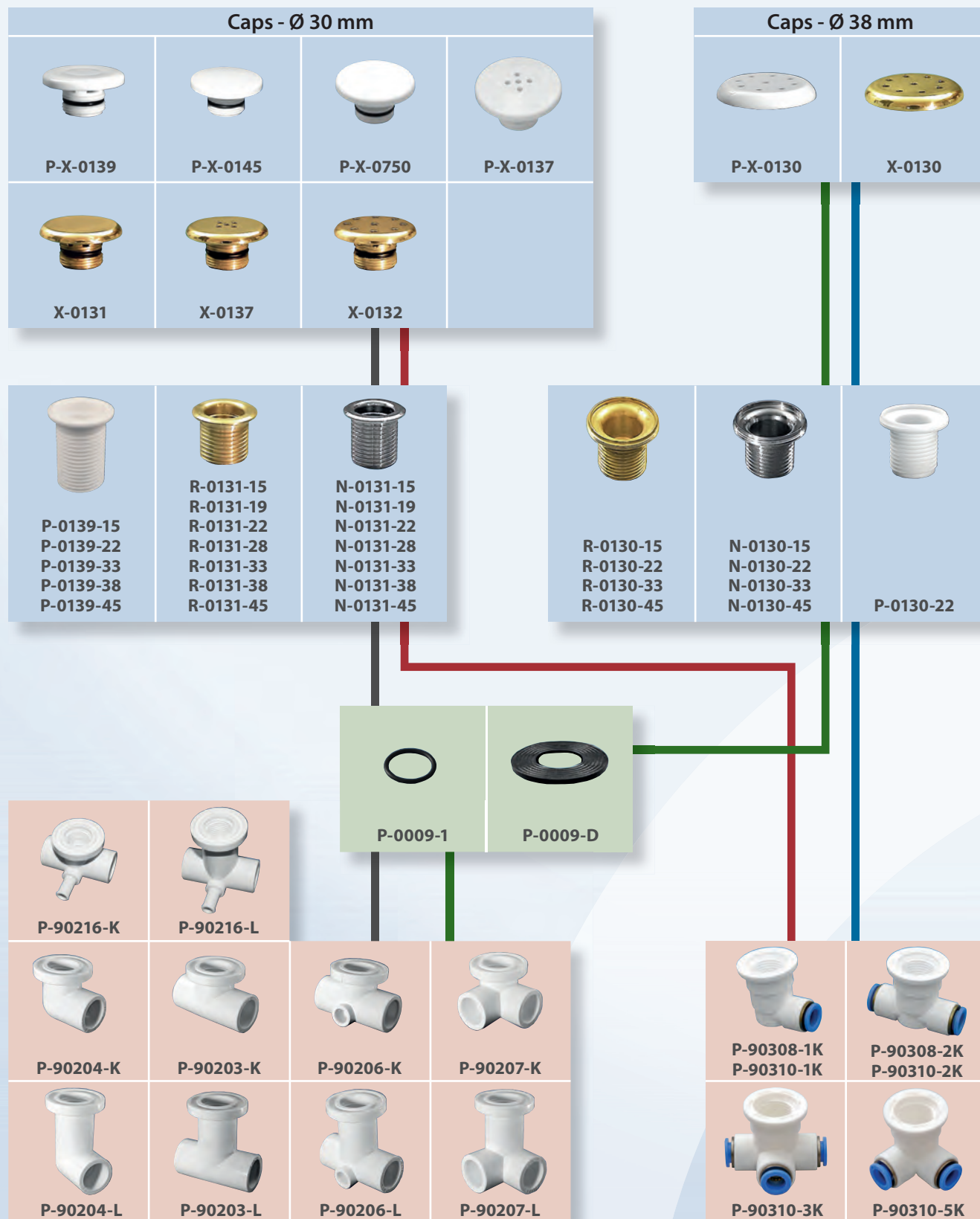
suitable for all 10 mm cartridge connectors

The suitable fittings and distributors for the pipe work are found in the chapter „Fitting“.
Please replace the X by the desired color code shown on the inside front cover legend!

| AIR JET | Order No. |
|--|------------------------------|
|  <p>Flatline inner part 0300-1-1 material: plastic outlet for air: gap between body and inner part key: P-M00172-50 weight: 2 g</p> <p>inclusive: o-ring (12,1 x 1,6 mm)</p> <p>suitable for: Flatline multi jet body: C-M00172-10, C-M00172-11, C-M00172-12, C-M00172-13, C-M00175-11</p> | P-W-0300-1-1 P-C-0300-1-1 |
|  <p>Flatline inner part 0301-1-1 material: plastic water or air outlet: 1 hole key: P-M00172-50 weight: 2 g</p> <p>inclusive: o-ring (12,1 x 1,6 mm)</p> <p>suitable for: Flatline multi jet body: C-M00172-10, C-M00172-11, C-M00172-12, C-M00172-13, C-M00175-11</p> | P-W-0301-1-1 P-C-0301-1-1 |
|  <p>Flatline inner part 0305-1-1 material: plastic water or air outlet: 5 hole key: P-M00172-50 weight: 2 g</p> <p>inclusive: o-ring (12,1 x 1,6 mm)</p> <p>suitable for: Flatline multi jet body: C-M00172-10, C-M00172-11, C-M00172-12, C-M00172-13, C-M00175-11</p> | P-W-0305-1-1 P-C-0305-1-1 |
|  <p>Flatline inner part M00172-20 material: brass outlet for air: gap between body and inner part key: P-M00130-50 weight: 11 g</p> <p>inclusive: o-ring (12,1 x 1,6 mm)</p> <p>suitable for: Flatline multi jet body: C-M00172-10, C-M00172-11, C-M00172-12, C-M00172-13, C-M00175-11</p> | C-M00172-20 |

| AIR JET | | Order No. | | | | | | | | | | | | | | | | | | | | |
|---|--|----------------|----------------|---------------|--------|-----------|-------|-------|------|-------------|-------|-------|------|------------|-------|-------|------|------------|-------|-------|------|--|
|  | <p>Flatline inner part M00174-20</p> <p>material: brass water or air outlet: 1 hole wrench size: 2.5 mm hexagonal (hex key) weight: 11 g</p> <p>inclusive: o-ring (12,1 x 1,6 mm)</p> <p>suitable for: Flatline multi jet body: C-M00172-10, C-M00172-11, C-M00172-12, C-M00172-13, C-M00175-11</p> | C-M00174-20 | | | | | | | | | | | | | | | | | | | | |
|  | <p>Flatline inner part M00191-20</p> <p>material: brass water or air outlet: 5 hole wrench size: 2.5 mm hexagonal (hex key) weight: 11 g</p> <p>inclusive: o-ring (12,1 x 1,6 mm)</p> <p>suitable for: Flatline multi jet body: C-M00172-10, C-M00172-11, C-M00172-12, C-M00172-13, C-M00175-11</p> | C-M00191-20 | | | | | | | | | | | | | | | | | | | | |
|  | <p>Flatline multi jet body series M00172-XX</p> <p>material: brass outside Ø: 27 mm thread: 1/2" outside thread drill Ø: 22 mm key: N-0144</p> <table><tr><th>wall thickness</th><th>overall length</th><th>thread length</th><th>weight</th></tr><tr><td>3 - 11 mm</td><td>23 mm</td><td>22 mm</td><td>24 g</td></tr><tr><td>14 - 22 mm</td><td>34 mm</td><td>33 mm</td><td>33 g</td></tr><tr><td>20 - 27 mm</td><td>39 mm</td><td>38 mm</td><td>37 g</td></tr><tr><td>26 - 33 mm</td><td>47 mm</td><td>45 mm</td><td>43 g</td></tr></table> <p>suitable for: elbow 90°: P-90204-K, P-90204-L tee: P-90203-K, P-90203-L, P-90206-K, P-90206-L, P-90216-K, P-90216-L P-90207-K, P-90207-L double elbow 90°: P-90308-1K, P-90310-1K connection part 90° with cartridge: P-90308-2K, P-90310-2K tee connection part with cartridge: P-90310-5K elbow connection part with cartridge: P-90310-3K 3-fold connection part with cartridge:</p> | wall thickness | overall length | thread length | weight | 3 - 11 mm | 23 mm | 22 mm | 24 g | 14 - 22 mm | 34 mm | 33 mm | 33 g | 20 - 27 mm | 39 mm | 38 mm | 37 g | 26 - 33 mm | 47 mm | 45 mm | 43 g | C-M00172-10 C-M00172-11 C-M00172-12 C-M00172-13 |
| wall thickness | overall length | thread length | weight | | | | | | | | | | | | | | | | | | | |
| 3 - 11 mm | 23 mm | 22 mm | 24 g | | | | | | | | | | | | | | | | | | | |
| 14 - 22 mm | 34 mm | 33 mm | 33 g | | | | | | | | | | | | | | | | | | | |
| 20 - 27 mm | 39 mm | 38 mm | 37 g | | | | | | | | | | | | | | | | | | | |
| 26 - 33 mm | 47 mm | 45 mm | 43 g | | | | | | | | | | | | | | | | | | | |
|  | <p>Flatline multi jet body M00175-11</p> <p>material: brass outside Ø: 27 mm drill Ø: 22 mm key: N-0144</p> <table><tr><th>wall thickness</th><th>overall length</th><th>thread length</th><th>weight</th></tr><tr><td>2 - 22 mm</td><td>58 mm</td><td>32 mm</td><td>69 g</td></tr></table> <p>inclusive: o-ring (21,89 x 2,62 mm) and nut</p> <p>suitable for: all 10 mm cartridge connectors</p> | wall thickness | overall length | thread length | weight | 2 - 22 mm | 58 mm | 32 mm | 69 g | C-M00175-11 | | | | | | | | | | | | |
| wall thickness | overall length | thread length | weight | | | | | | | | | | | | | | | | | | | |
| 2 - 22 mm | 58 mm | 32 mm | 69 g | | | | | | | | | | | | | | | | | | | |

Air jet - caps Ø 30 mm, 38 mm - structure



The suitable fittings and distributors for the pipe work are found in the chapter „Fitting“.

Please replace the X by the desired color code shown on the inside front cover legend!

| AIR JET | | Order No. |
|---|--|---------------------------------------|
|  | Air jet cap P-X-0139 material: plastic cover Ø: 30 mm outlet for air: below the cover - adjustable key: P-0143-11 weight: 3 g suitable for: air jet body: series P-0139-XX, X-0131-XX | P-W-0139 P-C-0139 |
| | Air jet cap 0145 material: plastic cover Ø: 30 mm outlet for air: below the cover - adjustable key: P-0143-11 weight: 3 g suitable for: air jet body: series P-0139-XX, X-0131-XX | P-W-0145 P-C-0145 |
|  | Air jet cap 0750 to plug in material: plastic cover Ø: 30 mm outlet for air: below the cover weight: 3 g suitable for: air jet body: series P-0139-XX, X-0131-XX | P-W-0750 P-C-0750 |
|  | Air jet cap P-X-0137 material: plastic cover Ø: 30 mm outlet for air: 5 hole key: P-0143-11 weight: 3 g suitable for: air jet body: series P-0139-XX, X-0131-XX | P-W-0137 P-C-0137 |
|  | Air jet cap 0131 material: brass cover Ø: 30 mm outlet for air: below the cover - adjustable key: P-0143-11 weight: 21 g suitable for: air jet body: series P-0139-XX, X-0131-XX | C-0131 B-0131 GP-0131 W-0131 |

| AIR JET | | | | | Order No. | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---------------|--------|--|---------------------------------------|----------------|---------------|--------|----------|-------|-------|-----|-----------|-------|-------|-----|------------|-------|-------|-----|------------|-------|-------|-----|------------|-------|-------|-----|---|
|  | Air jet cap X-0137 material: brass cover Ø: 30 mm outlet for air: 5 hole key: P-0143-11 weight: 22 g suitable for: air jet body: series P-0139-XX, X-0131-XX | | | | C-0137 B-0137 GP-0137 W-0137 | | | | | | | | | | | | | | | | | | | | | | | | |
|  | Air jet cap 0132 material: brass cover Ø: 30 mm outlet for air: 9 hole key: P-0143-11 weight: 21 g suitable for: air jet body: series P-0139-XX, X-0131-XX | | | | C-0132 B-0132 GP-0132 W-0132 | | | | | | | | | | | | | | | | | | | | | | | | |
|  | Air jet body series 0139-XX material: plastic thread: 1/2" outside thread drill Ø: 22 mm key: N-0144 <table><tr><th>wall thickness</th><th>overall length</th><th>thread length</th><th>weight</th></tr><tr><td>2 - 4 mm</td><td>17 mm</td><td>15 mm</td><td>2 g</td></tr><tr><td>3 - 11 mm</td><td>24 mm</td><td>22 mm</td><td>3 g</td></tr><tr><td>14 - 22 mm</td><td>35 mm</td><td>33 mm</td><td>4 g</td></tr><tr><td>20 - 27 mm</td><td>40 mm</td><td>38 mm</td><td>4 g</td></tr><tr><td>26 - 33 mm</td><td>47 mm</td><td>45 mm</td><td>5 g</td></tr></table> suitable for: elbow: series P-90204, P-90310-5K tee: series P-90203, P-90206, P-90216, P-903XX-2K double elbow: series P-90207 connection part: series P-903XX-1K, P-90310-3K | | | | wall thickness | overall length | thread length | weight | 2 - 4 mm | 17 mm | 15 mm | 2 g | 3 - 11 mm | 24 mm | 22 mm | 3 g | 14 - 22 mm | 35 mm | 33 mm | 4 g | 20 - 27 mm | 40 mm | 38 mm | 4 g | 26 - 33 mm | 47 mm | 45 mm | 5 g | P-0139-15 P-0139-22 P-0139-33 P-0139-38 P-0139-45 |
| wall thickness | overall length | thread length | weight | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 - 4 mm | 17 mm | 15 mm | 2 g | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 - 11 mm | 24 mm | 22 mm | 3 g | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 - 22 mm | 35 mm | 33 mm | 4 g | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 - 27 mm | 40 mm | 38 mm | 4 g | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26 - 33 mm | 47 mm | 45 mm | 5 g | | | | | | | | | | | | | | | | | | | | | | | | | | |

| AIR JET | | | | Order No. |
|---|---|-----------------------|----------------------|---------------|
|  | Air jet body series R-0131-XX | | | |
| | material: brass raw | | | |
| | thread: 1/2" outside thread | | | |
| | drill Ø: 22 mm | | | |
| | key: N-0144 | | | |
| | wall thickness | overall length | thread length | weight |
| | 2 - 4 mm | 17 mm | 15 mm | 18 g |
| | 3 - 8 mm | 21 mm | 19 mm | 22 g |
|  | 3 - 11 mm | 24 mm | 22 mm | 24 g |
| | 10 - 17 mm | 30 mm | 28 mm | 29 g |
| | 14 - 22 mm | 35 mm | 33 mm | 33 g |
| | 20 - 27 mm | 40 mm | 38 mm | 37 g |
| | 26 - 33 mm | 47 mm | 45 mm | 42 g |
| | suitable for: | | | |
| | elbow: series P-90204, P-90310-5K | | | R-0131-15 |
| | tee: series P-90203, P-90206, P-90216, P-903XX-2K | | | R-0131-19 |
| double elbow: series P-90207 | | | R-0131-22 | |
| connection part: series P-903XX-1K, P-90310-3K | | | R-0131-28 | |
|  | Air jet body series 0131-XX | | | |
| | material: brass nickel-plated | | | |
| | thread: 1/2" outside thread | | | |
| | drill Ø: 22 mm | | | |
| | key: N-0144 | | | |
| | wall thickness | overall length | thread length | weight |
| | 2 - 4 mm | 17 mm | 15 mm | 19 g |
| | 3 - 8 mm | 21 mm | 19 mm | 23 g |
|  | 3 - 11 mm | 24 mm | 22 mm | 25 g |
| | 10 - 17 mm | 30 mm | 28 mm | 30 g |
| | 14 - 22 mm | 35 mm | 33 mm | 34 g |
| | 20 - 27 mm | 40 mm | 38 mm | 38 g |
| | 26 - 33 mm | 47 mm | 45 mm | 43 g |
| | suitable for: | | | |
| | elbow: series P-90204, P-90310-5K | | | N-0131-15 |
| | tee: series P-90203, P-90206, P-90216, P-903XX-2K | | | N-0131-19 |
| double elbow: series P-90207 | | | N-0131-22 | |
| connection part: series P-903XX-1K, P-90310-3K | | | N-0131-28 | |
|  | Air jet cap P-X- 0130 | | | |
| | material: plastic | | | P-W-0130 |
| | cover Ø: 38 mm | | | P-C-0130 |
| | outlet for air: 9 hole | | | |
| | key: P-0143-11 | | | |
| | weight: 3 g | | | |
| suitable for: | | | | |
| air jet body: P-0130-22, series X-0130-XX | | | | |

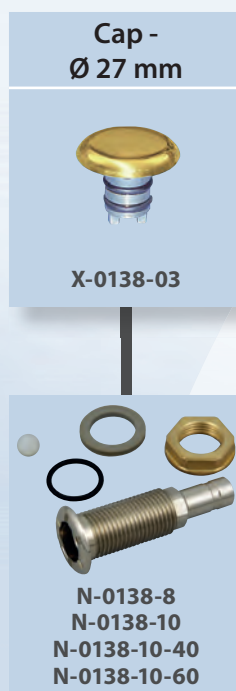
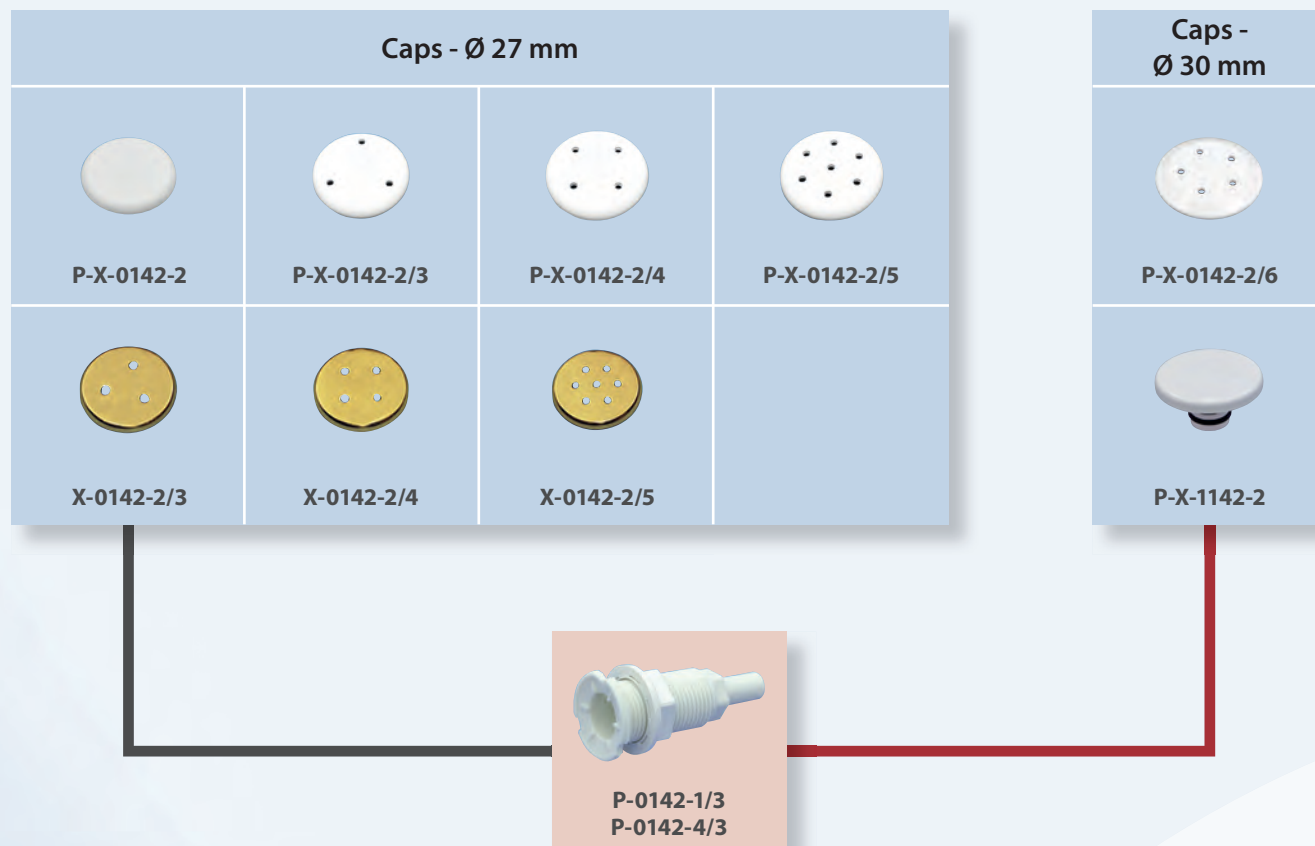
| AIR JET | | | | | Order No. | | | | | | | | | | | | | | | | | | | | |
|---|--|---------------|--------|--|---------------------------------------|----------------|---------------|--------|----------|-------|-------|------|-----------|-------|-------|------|------------|-------|-------|------|------------|-------|-------|------|--|
|  | <p>Air jet cap X-0130</p> <p>material: brass cover Ø: 38 mm outlet for air: 9 hole key: P-0143-11 weight: 18 g</p> <p>suitable for: air jet body: P-0130-22, series X-0130-XX</p> | | | | C-0130 B-0130 GP-0130 W-0130 | | | | | | | | | | | | | | | | | | | | |
|  | <p>Air jet body 0130-22</p> <p>material: plastic thread: 1/2" outside thread drill Ø: 22 mm key: N-0144</p> <table><tr><th>wall thickness</th><th>overall length</th><th>thread length</th><th>weight</th></tr><tr><td>3 - 9 mm</td><td>25 mm</td><td>22 mm</td><td>3 g</td></tr></table> <p>suitable for: elbow: series P-90204, P-90310-5K tee: series P-90203, P-90206, P-90216, P-903XX-2K double elbow: series P-90207 connection part: series P-903XX-1K, P-90310-3K</p> | | | | wall thickness | overall length | thread length | weight | 3 - 9 mm | 25 mm | 22 mm | 3 g | P-0130-22 | | | | | | | | | | | | |
| wall thickness | overall length | thread length | weight | | | | | | | | | | | | | | | | | | | | | | |
| 3 - 9 mm | 25 mm | 22 mm | 3 g | | | | | | | | | | | | | | | | | | | | | | |
|  | <p>Air jet body series R-0130-XX</p> <p>material: brass raw thread: 1/2" outside thread drill Ø: 22 mm key: N-0144</p> <table><tr><th>wall thickness</th><th>overall length</th><th>thread length</th><th>weight</th></tr><tr><td>2 - 5 mm</td><td>19 mm</td><td>15 mm</td><td>19 g</td></tr><tr><td>3 - 11 mm</td><td>26 mm</td><td>22 mm</td><td>27 g</td></tr><tr><td>14 - 22 mm</td><td>37 mm</td><td>33 mm</td><td>36 g</td></tr><tr><td>26 - 33 mm</td><td>49 mm</td><td>45 mm</td><td>48 g</td></tr></table> <p>suitable for: elbow: series P-90204, P-90310-5K tee: series P-90203, P-90206, P-90216, P-903XX-2K double elbow: series P-90207 connection part: series P-903XX-1K, P-90310-3K</p> | | | | wall thickness | overall length | thread length | weight | 2 - 5 mm | 19 mm | 15 mm | 19 g | 3 - 11 mm | 26 mm | 22 mm | 27 g | 14 - 22 mm | 37 mm | 33 mm | 36 g | 26 - 33 mm | 49 mm | 45 mm | 48 g | R-0130-15 R-0130-22 R-0130-33 R-0130-45 |
| wall thickness | overall length | thread length | weight | | | | | | | | | | | | | | | | | | | | | | |
| 2 - 5 mm | 19 mm | 15 mm | 19 g | | | | | | | | | | | | | | | | | | | | | | |
| 3 - 11 mm | 26 mm | 22 mm | 27 g | | | | | | | | | | | | | | | | | | | | | | |
| 14 - 22 mm | 37 mm | 33 mm | 36 g | | | | | | | | | | | | | | | | | | | | | | |
| 26 - 33 mm | 49 mm | 45 mm | 48 g | | | | | | | | | | | | | | | | | | | | | | |
|  | <p>Air jet body series 0130-XX</p> <p>material: brass nickel-plated thread: 1/2" outside thread drill Ø: 22 mm key: N-0144</p> <table><tr><th>wall thickness</th><th>overall length</th><th>thread length</th><th>weight</th></tr><tr><td>2 - 5 mm</td><td>19 mm</td><td>15 mm</td><td>20 g</td></tr><tr><td>3 - 11 mm</td><td>26 mm</td><td>22 mm</td><td>28 g</td></tr><tr><td>14 - 22 mm</td><td>37 mm</td><td>33 mm</td><td>37 g</td></tr><tr><td>26 - 33 mm</td><td>49 mm</td><td>45 mm</td><td>49 g</td></tr></table> <p>suitable for: elbow: series P-90204, P-90310-5K tee: series P-90203, P-90206, P-90216, P-903XX-2K double elbow: series P-90207 connection part: series P-903XX-1K, P-90310-3K</p> | | | | wall thickness | overall length | thread length | weight | 2 - 5 mm | 19 mm | 15 mm | 20 g | 3 - 11 mm | 26 mm | 22 mm | 28 g | 14 - 22 mm | 37 mm | 33 mm | 37 g | 26 - 33 mm | 49 mm | 45 mm | 49 g | N-0130-15 N-0130-22 N-0130-33 N-0130-45 |
| wall thickness | overall length | thread length | weight | | | | | | | | | | | | | | | | | | | | | | |
| 2 - 5 mm | 19 mm | 15 mm | 20 g | | | | | | | | | | | | | | | | | | | | | | |
| 3 - 11 mm | 26 mm | 22 mm | 28 g | | | | | | | | | | | | | | | | | | | | | | |
| 14 - 22 mm | 37 mm | 33 mm | 37 g | | | | | | | | | | | | | | | | | | | | | | |
| 26 - 33 mm | 49 mm | 45 mm | 49 g | | | | | | | | | | | | | | | | | | | | | | |

| AIR JET | | | | Order No. |
|---|---|--|--|------------------------|
|  | Elbow 90° series 90204 material: plastic thread: 1/2" inside thread adhesive socket Ø : 20 mm | | | P-90204-K P-90204-L |
| | <div><div>height</div><div>weight</div></div> <div><div>43 mm</div><div>31 g</div></div> <div><div>64 mm</div><div>42 g</div></div> <p>optionally available: flat packing P-0009-D or o-ring P-0009-1</p> | | | |
|  | Tee series 90203 material: plastic thread: 1/2" inside thread adhesive socket Ø : 20 mm | | | P-90203-K P-90203-L |
| | <div><div>height</div><div>weight</div></div> <div><div>43 mm</div><div>38 g</div></div> <div><div>64 mm</div><div>49 g</div></div> <p>optionally available: flat packing P-0009-D or o-ring P-0009-1</p> | | | |
|  | Tee series 90206 material: plastic thread: 1/2" inside thread adhesive socket Ø : 20 mm drain for remaining water connection Ø: 10 mm | | | P-90206-K P-90206-L |
| | <div><div>height</div><div>weight</div></div> <div><div>43 mm</div><div>38 g</div></div> <div><div>64 mm</div><div>50 g</div></div> <p>optionally available: flat packing P-0009-D or o-ring P-0009-1</p> | | | |
|  | Double elbow 90° series 90207 material: plastic thread: 1/2" inside thread adhesive socket Ø : 20 mm | | | P-90207-K P-90207-L |
| | <div><div>height</div><div>weight</div></div> <div><div>43 mm</div><div>37 g</div></div> <div><div>64 mm</div><div>50 g</div></div> <p>optionally available: flat packing P-0009-D or o-ring P-0009-1</p> | | | |
|  | Tee series 90216 material: plastic thread: 1/2" inside thread adhesive socket Ø : 20 mm hose connection Ø: 10 mm | | | P-90216-K P-90216-L |
| | <div><div>height</div><div>weight</div></div> <div><div>43 mm</div><div>41 g</div></div> <div><div>64 mm</div><div>53 g</div></div> <p>optionally available: flat packing P-0009-D or o-ring P-0009-1</p> | | | |

| AIR JET | | Order No. | | | | | | |
|---|--|-------------|--------|------|------|-------|------|--------------------------|
|  | <p>Flat packing for air jets 0009-D</p> <p>outside Ø: 45 mm thickness: 3.5 mm weight: 5 g</p> <p>suitable for: elbow: series P-90204 tee: series P-90203, P-90206, P-90216 double elbow: series P-90207</p> | P-0009-D | | | | | | |
|  | <p>O-ring 0009-1</p> <p>dimension: 29,75 x 3,53 mm weight: 1 g</p> <p>suitable for: elbow: series P-90204 tee: series P-90203, P-90206, P-90216 double elbow: series P-90207 micro jet: series P-0003 micro clip jet: series P-1X06 micro cartridge jet: series P-2601212</p> | P-0009-1 | | | | | | |
|  | <p>Spacer ring for air jets 008-R</p> <p>outside Ø: 43 mm thickness: 6 mm weight: 4 g</p> <p>suitable for: elbow: series P-90204 tee: series P-90203, P-90206, P-90216 double elbow: series P-90207</p> <p>For compensation between air jet and the bottom of the tub, it is also possible to use more pieces in series.</p> | P-008-R | | | | | | |
|  | <p>Connection part 90° with cartridge series 903XX-1K</p> <p>thread: 1/2" inside thread height: 42 mm</p> <table><tr><th>cartridge Ø</th><th>weight</th></tr><tr><td>8 mm</td><td>13 g</td></tr><tr><td>10 mm</td><td>14 g</td></tr></table> | cartridge Ø | weight | 8 mm | 13 g | 10 mm | 14 g | P-90308-1K P-90310-1K |
| cartridge Ø | weight | | | | | | | |
| 8 mm | 13 g | | | | | | | |
| 10 mm | 14 g | | | | | | | |
|  | <p>Tee connection part with cartridge series 903XX-2K</p> <p>thread: 1/2" inside thread height: 42 mm</p> <table><tr><th>cartridge Ø</th><th>weight</th></tr><tr><td>8 mm</td><td>19 g</td></tr><tr><td>10 mm</td><td>20 g</td></tr></table> | cartridge Ø | weight | 8 mm | 19 g | 10 mm | 20 g | P-90308-2K P-90310-2K |
| cartridge Ø | weight | | | | | | | |
| 8 mm | 19 g | | | | | | | |
| 10 mm | 20 g | | | | | | | |

| AIR JET | Order No. |
|---|---|
|  <p>WILL BE DISCONTINUED</p> | <p>Elbow connection part with cartridge 90310-5K thread: 1/2" inside thread height: 42 mm</p> <p>cartridge Ø weight 10 mm 21 g</p> <p>P-90310-5K</p> |
|  <p>WILL BE DISCONTINUED</p> | <p>3-fold connection part with cartridge 90310-3K thread: 1/2" inside thread height: 42 mm</p> <p>cartridge Ø weight 10 mm 27 g</p> <p>P-90310-3K</p> |
|  | <p>Clamping part 90300-1 for fixing connection- and magic jet rear parts</p> <p>material: plastic thickness: 7 mm weight: 7 g</p> <p>suitable for: connection part 90°: P-1101 tee connection part: P-1101-2 connection part 90° with cartridge: P-200108-1, P-200110-1, P-90308-1K, P-90310-1K tee connection part with cartridge: P-200108-2, P-200110-2, P-90308-2K, P-90310-2K elbow connection part with cartridge: P-200110-5, P-90310-5K 3-fold connection part with cartridge: P-200110-3, P-90310-3K magic jet: P-0024-2, P-0024 magic jet with cartridge: P-0027-08, P-0026-3</p> <p>P-90300-1</p> |

Air jet - caps Ø 27 mm, 30 mm - structure



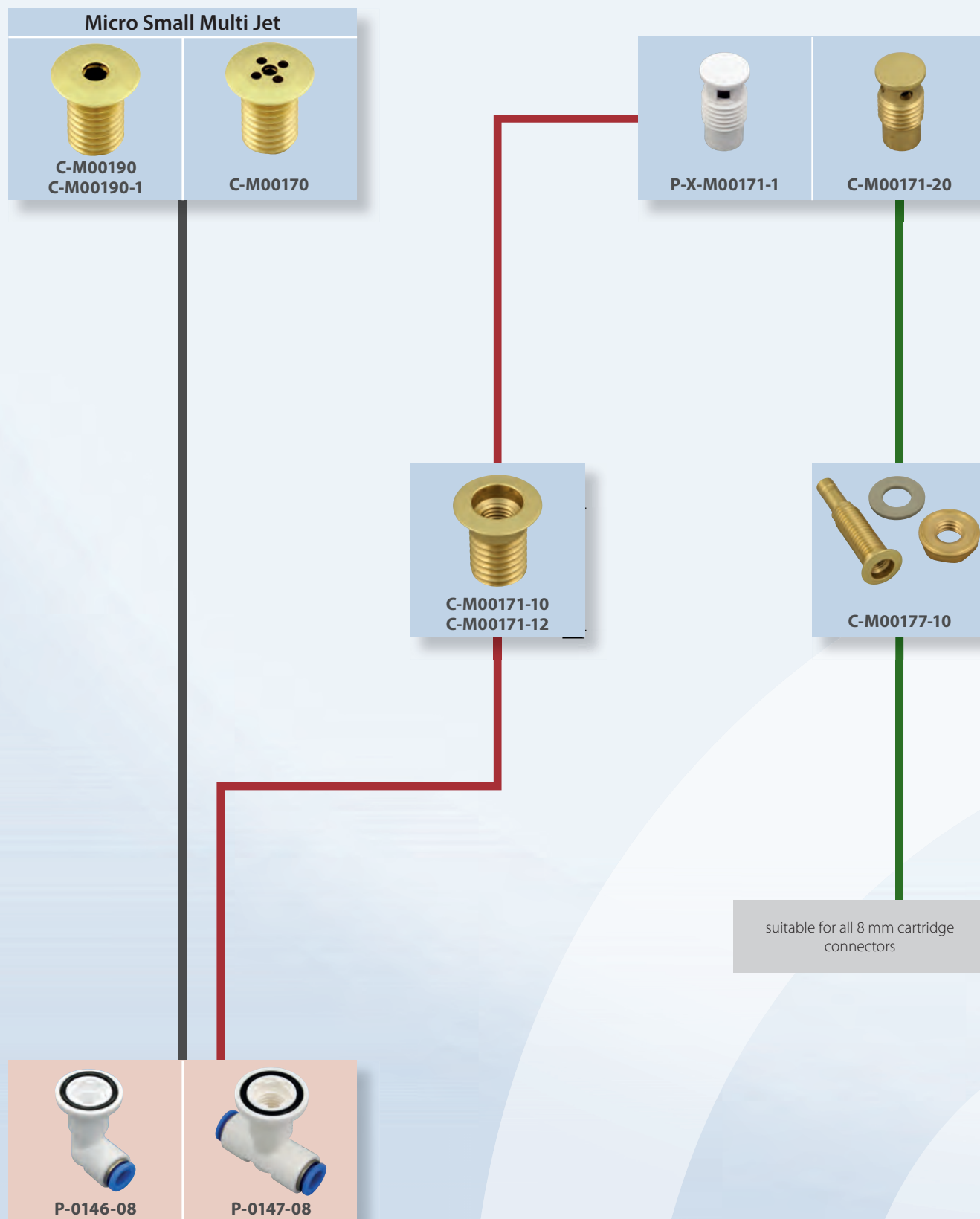
The suitable fittings and distributors for the pipe work are found in the chapter „Fitting“.
Please replace the X by the desired color code shown on the inside front cover legend!

| AIR JET | Order No. |
|---|--------------------------------------|
|  <p>Air jet cap 1142-2 to plug in</p> <p>material: plastic cover Ø: 30 mm outlet for air: below the cover weight: 2 g</p> <p>suitable for: air jet body: series 0142-1-3</p> | <p>P-W-1142-2 P-C-1142-2</p> |
|  <p>Air jet cap 0142-2</p> <p>material: plastic cover Ø: 27 mm outlet for air: below the cover key: P-0143-11 weight: 1 g</p> <p>suitable for: air jet body: series 0142-1-3</p> | <p>P-W-0142-2 P-C-0142-2</p> |
|  <p>Air jet cap P-X-0142-2-3</p> <p>material: plastic cover Ø: 27 mm outlet for air: 3 hole key: P-0143-11 weight: 1 g</p> <p>suitable for: air jet body: series 0142-1-3</p> | <p>P-W-0142-2-3 P-C-0142-2-3</p> |
|  <p>Air jet cap P-X-0142-2-4</p> <p>material: plastic cover Ø: 27 mm outlet for air: 4 hole key: P-0143-11 weight: 1 g</p> <p>suitable for: air jet body: series 0142-1-3</p> | <p>P-W-0142-2-4 P-C-0142-2-4</p> |

| AIR JET | Order No. |
|--|---|
|  <p>Air jet cap P-X-0142-2-5 material: plastic cover Ø: 27 mm outlet for air: 7 hole key: P-0143-11 weight: 1 g</p> <p>suitable for: air jet body: series 0142-1-3 body for temperature sensor: N-1021-10</p> | P-W-0142-2-5 P-C-0142-2-5 |
|  <p>Air jet cap 0142-2-6 material: plastic cover Ø: 31 mm outlet for air: 5 hole key: P-0143-11 weight: 1 g</p> <p>suitable for: air jet body: series 0142-1-3</p> | P-W-0142-2-6 P-C-0142-2-6 |
| <div>WILL BE DISCONTINUED</div>  <p>Air jet cap X-0142-2-3 material: brass cover Ø: 27 mm outlet for air: 3 hole key: P-0143-11 weight: 6 g</p> <p>suitable for: air jet body: series 0142-1-3</p> | C-0142-2-3 B-0142-2-3 GP-0142-2-3 W-0142-2-3 |
|  <p>Air jet cap X-0142-2-4 material: brass cover Ø: 27 mm outlet for air: 4 hole key: P-0143-11 weight: 5 g</p> <p>suitable for: air jet body: series 0142-1-3</p> | C-0142-2-4 B-0142-2-4 GP-0142-2-4 W-0142-2-4 |

| AIR JET | | | | | Order No. | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|---|----------------------|----------------|---|----------------------|-----------|-----------|-------|-------|-----------|-------|-----------|-------|-------|-------|--------------------------|------------|-------|-------|-------|------|------------|-------|-------|-------|------|--|--|---|
|  | Air jet cap X-0142-2-5 material: brass cover Ø: 27 mm outlet for air: 7 hole key: P-0143-11 weight: 5 g suitable for: air jet body: series 0142-1-3 body for temperature sensor: N-1021-10 | | | | C-0142-2-5 B-0142-2-5 GP-0142-2-5 W-0142-2-5 | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | Air jet body 0142-1-3 with nut material: plastic drill Ø: 16.5 mm wrench size: 13 mm | <table><tr><th>wall thickness</th><th>overall length</th><th>thread length</th><th>weight</th></tr><tr><td>2 - 21 mm</td><td>53 mm</td><td>30 mm</td><td>6 g</td></tr><tr><td>2 - 30 mm</td><td>64 mm</td><td>39 mm</td><td>7 g</td></tr></table> | wall thickness | overall length | thread length | weight | 2 - 21 mm | 53 mm | 30 mm | 6 g | 2 - 30 mm | 64 mm | 39 mm | 7 g | | | P-0142-1-3 P-0142-4-3 | | | | | | | | | | | | | |
| wall thickness | overall length | thread length | weight | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 - 21 mm | 53 mm | 30 mm | 6 g | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 - 30 mm | 64 mm | 39 mm | 7 g | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| suitable for all 8 mm cartridge connectors | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | Air jet cap 0138-03 material: brass cover Ø: 27 mm outlet for air: below the cover weight: 16 g suitable for: air jet body: series 0138-XX | | | | C-0138-03 B-0138-03 GP-0138-03 W-0138-03 | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | Air jet body with check valve series 0138-XX material: brass nickel-plated drill Ø: 16 mm wrench size: 13 mm | <table><tr><th>wall thickness</th><th>overall length</th><th>thread length</th><th>plug-in connection Ø</th><th>weight</th></tr><tr><td>2 - 23 mm</td><td>60 mm</td><td>33 mm</td><td>8 mm</td><td>49 g</td></tr><tr><td>2 - 23 mm</td><td>60 mm</td><td>33 mm</td><td>10 mm</td><td>50 g</td></tr><tr><td>20 - 30 mm</td><td>68 mm</td><td>40 mm</td><td>10 mm</td><td>60 g</td></tr><tr><td>28 - 50 mm</td><td>86 mm</td><td>60 mm</td><td>10 mm</td><td>76 g</td></tr></table> | wall thickness | overall length | thread length | plug-in connection Ø | weight | 2 - 23 mm | 60 mm | 33 mm | 8 mm | 49 g | 2 - 23 mm | 60 mm | 33 mm | 10 mm | 50 g | 20 - 30 mm | 68 mm | 40 mm | 10 mm | 60 g | 28 - 50 mm | 86 mm | 60 mm | 10 mm | 76 g | | | N-0138-8 N-0138-10 N-0138-10-40 N-0138-10-60 |
| wall thickness | overall length | thread length | plug-in connection Ø | weight | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 - 23 mm | 60 mm | 33 mm | 8 mm | 49 g | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 - 23 mm | 60 mm | 33 mm | 10 mm | 50 g | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 - 30 mm | 68 mm | 40 mm | 10 mm | 60 g | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28 - 50 mm | 86 mm | 60 mm | 10 mm | 76 g | | | | | | | | | | | | | | | | | | | | | | | | | | |
| consists of: body nut with integrated washer (M16) flat packing (24x16x2 mm) o-ring (16x2 mm) ball (PA 8 mm) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Air jet Micro Small Multi Jet Flatline - structure



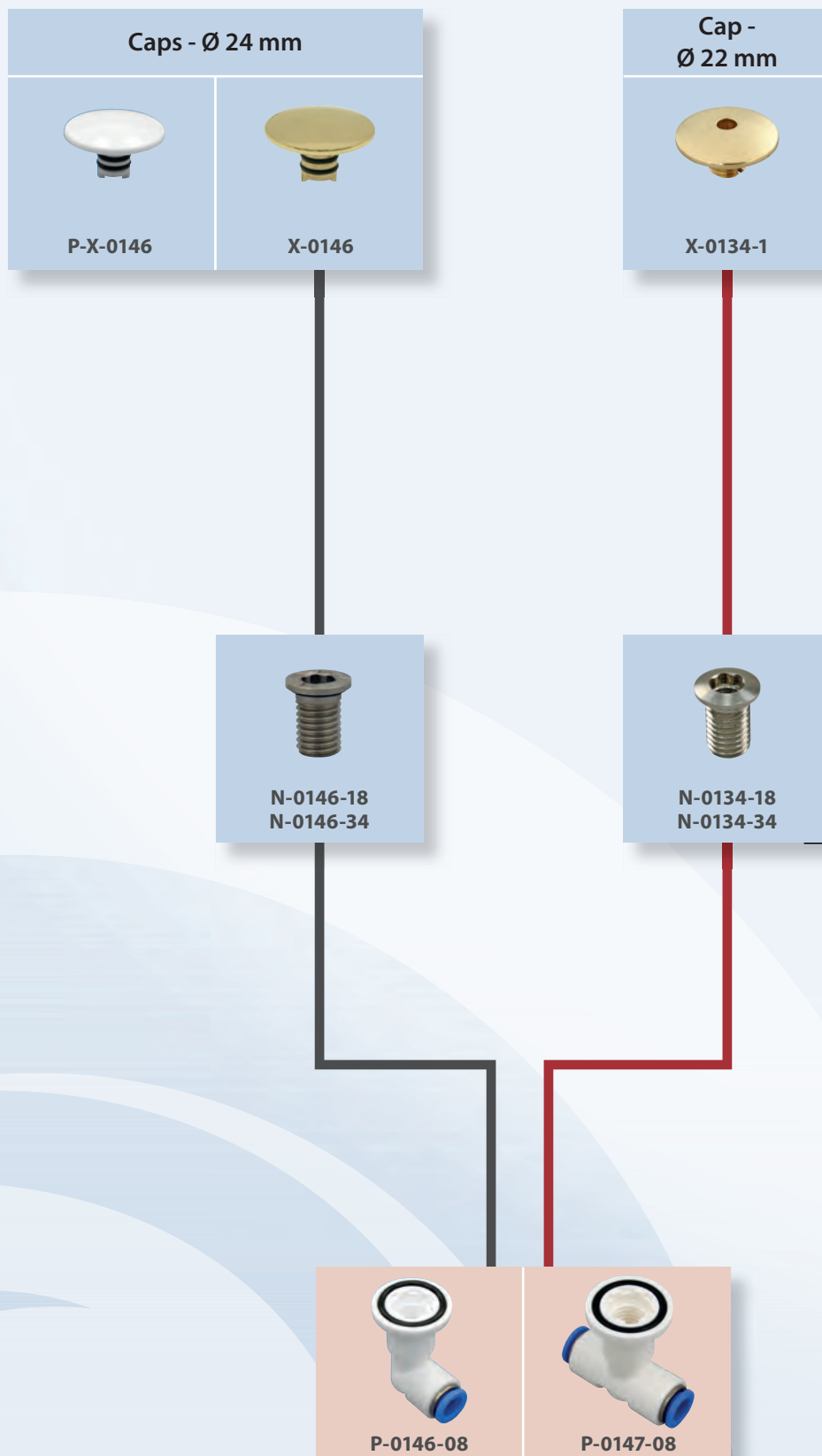
The suitable fittings and distributors for the pipe work are found in the chapter „Fitting“.

Please replace the X by the desired color code shown on the inside front cover legend!

| AIR JET | | Order No. | | | | | | | | | | | |
|---|--|------------------------------|----------------|---------------|--------|----------|---------|-------|-----|------------|-------|---------|------|
|  | Flatline micro small multi jet series M00190 material: brass water or air outlet: 1 hole outside Ø: 18 mm thread: M12 outside thread drill Ø: 12 mm wrench size: 4 mm hexagonal (hex key) | | | | | | | | | | | | |
| | <table><tr><th>wall thickness</th><th>overall length</th><th>thread length</th><th>weight</th></tr><tr><td>2 - 9 mm</td><td>19.5 mm</td><td>18 mm</td><td>9 g</td></tr><tr><td>18 - 25 mm</td><td>38 mm</td><td>36.5 mm</td><td>15 g</td></tr></table> suitable for: connection part: P-0146-08 tee connection part: P-0147-08 | wall thickness | overall length | thread length | weight | 2 - 9 mm | 19.5 mm | 18 mm | 9 g | 18 - 25 mm | 38 mm | 36.5 mm | 15 g |
| wall thickness | overall length | thread length | weight | | | | | | | | | | |
| 2 - 9 mm | 19.5 mm | 18 mm | 9 g | | | | | | | | | | |
| 18 - 25 mm | 38 mm | 36.5 mm | 15 g | | | | | | | | | | |
|  | Flatline micro small multi jet M00170 material: brass water or air outlet: 5 hole outside Ø: 18 mm thread: M12 outside thread drill Ø: 12 mm wrench size: 2.5 mm hexagonal (hex key) | | | | | | | | | | | | |
| | <table><tr><th>wall thickness</th><th>overall length</th><th>thread length</th><th>weight</th></tr><tr><td>2 - 9 mm</td><td>19.5 mm</td><td>18 mm</td><td>9 g</td></tr></table> suitable for: connection part: P-0146-08 tee connection part: P-0147-08 | wall thickness | overall length | thread length | weight | 2 - 9 mm | 19.5 mm | 18 mm | 9 g | C-M00170 | | | |
| wall thickness | overall length | thread length | weight | | | | | | | | | | |
| 2 - 9 mm | 19.5 mm | 18 mm | 9 g | | | | | | | | | | |
|  | Flatline air jet inner part M00171-1 material: plastic key: P-M00172-50 weight: 1 g | P-W-M00171-1 P-C-M00171-1 | | | | | | | | | | | |
| | suitable for: Flatline air jet body: C-M00171-10, C-M00171-12, C-M00177-10 | | | | | | | | | | | | |
|  | Flatline air jet inner part M00171-20 material: brass key: P-M00172-50 weight: 4 g | C-M00171-20 | | | | | | | | | | | |
| | suitable for: Flatline air jet body: C-M00171-10, C-M00171-12, C-M00177-10 | | | | | | | | | | | | |

| AIR JET | | Order No. | | | | | | | | | | | |
|---|---|----------------|----------------|---------------|--------|-------------|---------|-------|------|-------------|---------|-------|------|
|  | Flatline air jet body series M00171-XX material: brass outside Ø: 18 mm thread: M12 outside thread drill Ø: 12 mm key: WZ-1007-20 | | | | | | | | | | | | |
| | <table><thead><tr><th>wall thickness</th><th>overall length</th><th>thread length</th><th>weight</th></tr></thead><tbody><tr><td>2 - 9 mm</td><td>19.5 mm</td><td>18 mm</td><td>10 g</td></tr><tr><td>20 - 27 mm</td><td>39.5 mm</td><td>38 mm</td><td>15 g</td></tr></tbody></table> suitable for: connection part: P-0146-08 tee connection part: P-0147-08 | wall thickness | overall length | thread length | weight | 2 - 9 mm | 19.5 mm | 18 mm | 10 g | 20 - 27 mm | 39.5 mm | 38 mm | 15 g |
| wall thickness | overall length | thread length | weight | | | | | | | | | | |
| 2 - 9 mm | 19.5 mm | 18 mm | 10 g | | | | | | | | | | |
| 20 - 27 mm | 39.5 mm | 38 mm | 15 g | | | | | | | | | | |
|  | Flatline air jet body M00177-10 material: brass outside Ø: 18 mm drill Ø: 12 mm wrench size: 10 mm | | | | | | | | | | | | |
| | <table><thead><tr><th>wall thickness</th><th>overall length</th><th>thread length</th><th>weight</th></tr></thead><tbody><tr><td>2,5 - 27 mm</td><td>57 mm</td><td>35 mm</td><td>69 g</td></tr></tbody></table> inclusive: flat packing and nut suitable for: all 8 mm cartridge connectors | wall thickness | overall length | thread length | weight | 2,5 - 27 mm | 57 mm | 35 mm | 69 g | C-M00177-10 | | | |
| wall thickness | overall length | thread length | weight | | | | | | | | | | |
| 2,5 - 27 mm | 57 mm | 35 mm | 69 g | | | | | | | | | | |

Air jet - caps Ø 22 mm, 24 mm - structure



The suitable fittings and distributors for the pipe work are found in the chapter „Fitting”.
Please replace the X by the desired color code shown on the inside front cover legend!

| AIR JET | | Order No. | | | | | | | | | | | | |
|---|--|---|----------------|---------------|--------|----------|-------|-------|------|------------|-------|-------|------|------------------------|
|  | <p>Air jet cap P-X-0146 to plug in</p> <p>material: plastic cover Ø: 24 mm outlet for air: below the cover weight: 1 g</p> <p>suitable for: air jet body: series 0146-XX</p> | P-W-0146 P-C-0146 | | | | | | | | | | | | |
|  | <p>Air jet cap X-0146 to plug in</p> <p>material: brass cover Ø: 24 mm outlet for air: below the cover weight: 5 g</p> <p>suitable for: air jet body: series 0146-XX</p> | C-0146 B-0146 GP-0146 W-0146 | | | | | | | | | | | | |
|  | <p>Air jet body series 0146-XX</p> <p>material: brass nickel-plated thread: M12 outside thread drill Ø: 12 mm key: WZ-0146-20</p> <table><tr><th>wall thickness</th><th>overall length</th><th>thread length</th><th>weight</th></tr><tr><td>2 - 8 mm</td><td>20 mm</td><td>18 mm</td><td>10 g</td></tr><tr><td>16 - 24 mm</td><td>36 mm</td><td>34 mm</td><td>17 g</td></tr></table> <p>inclusive: o-ring (12,42 x 1,78 mm)</p> <p>suitable for: connection part: P-0146-08 tee connection part: P-0147-08</p> | wall thickness | overall length | thread length | weight | 2 - 8 mm | 20 mm | 18 mm | 10 g | 16 - 24 mm | 36 mm | 34 mm | 17 g | N-0146-18 N-0146-34 |
| wall thickness | overall length | thread length | weight | | | | | | | | | | | |
| 2 - 8 mm | 20 mm | 18 mm | 10 g | | | | | | | | | | | |
| 16 - 24 mm | 36 mm | 34 mm | 17 g | | | | | | | | | | | |
|  | <p>Air jet cap 0134-1</p> <p>material: brass cover Ø: 22 mm outlet for air: 1 hole key: P-0143-11 weight: 6 g</p> <p>inclusive: o-ring (6 x 1,2 mm)</p> <p>suitable for: air jets: X-0234-122, X-0234-132 air jet body: N-0134-18, N-0134-34</p> | C-0134-1 B-0134-1 GP-0134-1 W-0134-1 | | | | | | | | | | | | |



9.21

Air jet Whisper Jet Flatline - structure

Whisper Jet



C-M00173-10
C-M00173-11
C-M00173-12
C-M00173-13



P-0763-04
P-0763-04-L

The suitable fittings and distributors for the pipe work are found in the chapter „Fitting“.

AIR JET

Order No.

**Flatline whisper jet series M00173-XX**

material: brass
 outside Ø: 9 mm
 thread: M6 outside thread
 drill Ø: 6 mm
 wrench size: 2.5 mm hexagonal (hex key)

| wall thickness | overall length | thread length | weight |
|----------------|----------------|---------------|--------|
| 2,5 - 11 mm | 19 mm | 18 mm | 4 g |
| 10 - 19 mm | 28 mm | 27 mm | 4 g |
| 16 - 25 mm | 35 mm | 34 mm | 5 g |
| 21 - 30 mm | 40 mm | 39 mm | 6 g |

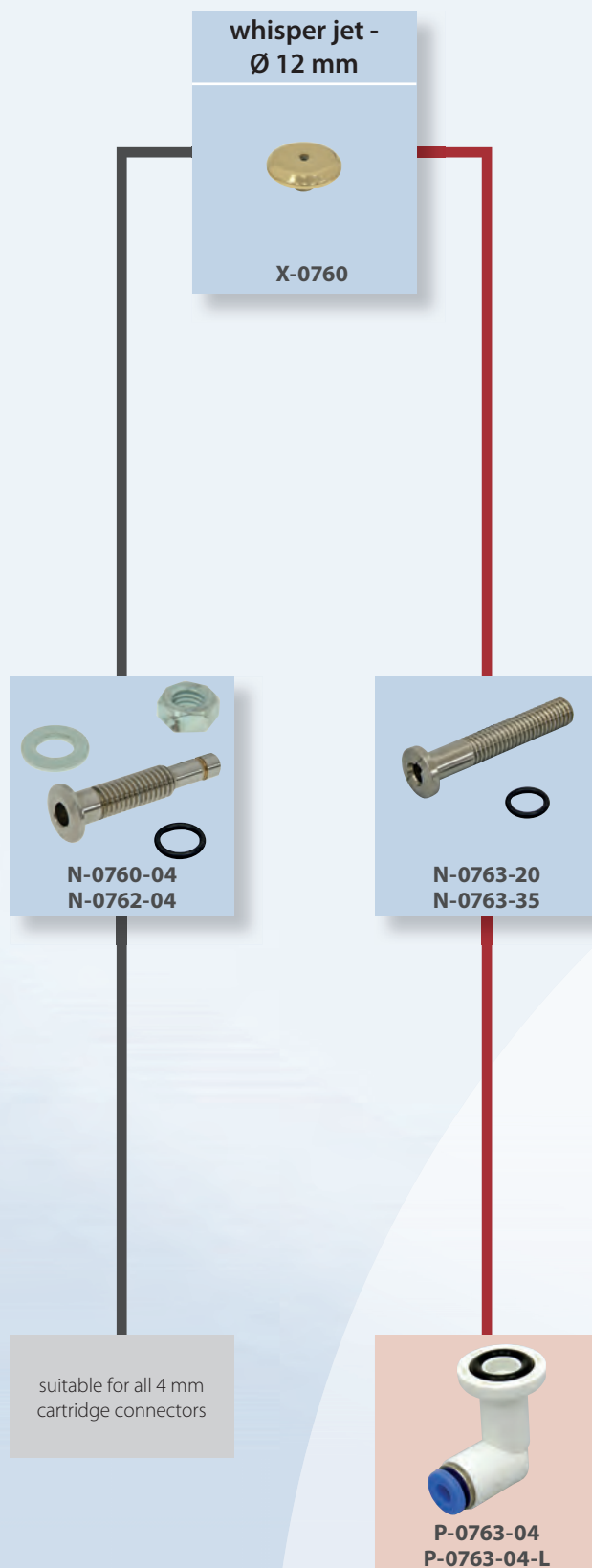
C-M00173-10
 C-M00173-11
 C-M00173-12
 C-M00173-13

suitable for:

connection part:
 P-0763-04, P-0763-04-L (used as air jet)
 P-0764-08, P-0764-08-L (used as shower jet)



Air jet - cap Ø 12 mm - structure



The suitable fittings and distributors for the pipe work are found in the chapter „Fitting“.
Please replace the X by the desired color code shown on the inside front cover legend!

| AIR JET | | | | Order No. | | | | | | | | | | | | |
|---|--|---|---------------|---------------------------------------|----------------|----------------|---------------|-----------|-----------|--------------------------|-------|------------|-----------|-------|-------|------------------------|
|  | Whisper jet cover 0760 material: brass outlet for air: 1 hole weight: 1 g suitable for: whisper jet body: series 076X-04, 0763-XX | | | C-0760 B-0760 GP-0760 W-0760 | | | | | | | | | | | | |
| |  | Whisper jet body series 076X-04 material: brass nickel-plated drill Ø: 6 mm <table><tr><th>wall thickness</th><th>overall length</th><th>thread length</th><th>weight</th></tr><tr><td>2 - 13 mm</td><td>35 mm</td><td>20 mm</td><td>7 g</td></tr><tr><td>8 - 28 mm</td><td>50 mm</td><td>35 mm</td><td>10 g</td></tr></table> consists of: jet body o-ring (6 x 1,2 mm) washer M6 nut M6 suitable for all 4 mm cartridge connectors | | | wall thickness | overall length | thread length | weight | 2 - 13 mm | 35 mm | 20 mm | 7 g | 8 - 28 mm | 50 mm | 35 mm | 10 g |
| wall thickness | | overall length | thread length | weight | | | | | | | | | | | | |
| 2 - 13 mm | 35 mm | 20 mm | 7 g | | | | | | | | | | | | | |
| 8 - 28 mm | 50 mm | 35 mm | 10 g | | | | | | | | | | | | | |
|  | Whisper jet body series 0763-XX material: brass nickel-plated thread: M6 outside thread drill Ø: 6 mm <table><tr><th>wall thickness</th><th>overall length</th><th>thread length</th><th>weight</th></tr><tr><td>2 - 13 mm</td><td>22.5 mm</td><td>20 mm</td><td>4 g</td></tr><tr><td>17 - 28 mm</td><td>37.5 mm</td><td>35 mm</td><td>6 g</td></tr></table> consists of: jet body o-ring (6 x 1,2 mm) suitable for: connection part: series P-0763-04 | | | wall thickness | overall length | thread length | weight | 2 - 13 mm | 22.5 mm | 20 mm | 4 g | 17 - 28 mm | 37.5 mm | 35 mm | 6 g | N-0763-20 N-0763-35 |
| | wall thickness | overall length | thread length | weight | | | | | | | | | | | | |
| 2 - 13 mm | 22.5 mm | 20 mm | 4 g | | | | | | | | | | | | | |
| 17 - 28 mm | 37.5 mm | 35 mm | 6 g | | | | | | | | | | | | | |
|  | Connection part 90° with cartridge 0763-04 material: plastic thread: M6 inside thread cartridge Ø: 4 mm <table><tr><th>height</th><th>weight</th></tr><tr><td>28 mm</td><td>5 g</td></tr><tr><td>40 mm</td><td>6 g</td></tr></table> inclusive: o-ring (8 x 2,5 mm) | | | height | weight | 28 mm | 5 g | 40 mm | 6 g | P-0763-04 P-0763-04-L | | | | | | |
| | height | weight | | | | | | | | | | | | | | |
| 28 mm | 5 g | | | | | | | | | | | | | | | |
| 40 mm | 6 g | | | | | | | | | | | | | | | |

| AIR JET | Order No. |
|---|---|
| <div>WILL BE DISCONTINUED</div> <div>  </div> <div> Air jet with cover and check valve 0234-122 </div> <div> <p>material: brass body: brass nickel-plated</p> <p>cover Ø: 22 mm drill Ø: 12 mm wall thickness: 2 - 15 mm overall length: 45,5 mm thread length: 22 mm cartridge Ø: 8 mm weight: 42 g</p> </div> <div> consists of: </div> <div> <p>jet body ball (PA 6 mm) air jet cap (X-0134-1) nut with integrated washer (M12) flat packing (24 x 12 x 2 mm)</p> </div> <div> <p>suitable for all 8 mm cartridge connectors</p> </div> | <p>C-0234-122 B-0234-122 GP-0234-122 W-0234-122</p> |
| <div>WILL BE DISCONTINUED</div> <div>  </div> <div> Air jet with cover and check valve 0234-132 </div> <div> <p>material: brass body: brass nickel-plated</p> <p>cover Ø: 22 mm drill Ø: 12 mm wall thickness: 2 - 25 mm overall length: 55,5 mm thread length: 32 mm cartridge Ø: 8 mm weight: 48 g</p> </div> <div> consists of: </div> <div> <p>jet body ball (PA 6 mm) air jet cap (X-0134-1) nut with integrated washer (M12) flat packing (24 x 12 x 2 mm)</p> </div> <div> <p>suitable for all 8 mm cartridge connectors</p> </div> | <p>C-0234-132 B-0234-132 GP-0234-132 W-0234-132</p> |

AIR BLOWER

10



Features - Air Blower

- Compact versions
- Various power classes
- With or without integrated heater
- Vertical blowers – space saving
- Models with central fixing for the direct mounting on c-profile – saving on labour time compared to conventional mounting
- Temperature stabilized blower unions
- ÖVE certified



| AIR BLOWER | | | Order No. | | | | | | | | | | | | | | | | | | | | | |
|---|--|--|-------------|---------|--------|-------------|---|--------|-------------|---|--------|-------------|---|--------|-------------|-------|--------|-------------|-------|--------|--------------|-------|--------|--|
|  | Blower for electronic control series X605 with connection for noise absorber RADIO-SCREENED leg spacing and size of holes as jet pump (1711, 1712, 1713, 2611, 2612, 3611, 3612, 4611, 4612) line voltage: 220 - 240V 50/60Hz system of protection: IP 45 cable length: 2 m with wire end ferrules | <table><thead><tr><th>total power</th><th>heating</th><th>weight</th></tr></thead><tbody><tr><td>400 - 500 W</td><td>-</td><td>1.9 kg</td></tr><tr><td>500 - 650 W</td><td>-</td><td>2.1 kg</td></tr><tr><td>700 - 850 W</td><td>-</td><td>2.1 kg</td></tr><tr><td>600 - 700 W</td><td>200 W</td><td>1.9 kg</td></tr><tr><td>700 - 850 W</td><td>200 W</td><td>2.2 kg</td></tr><tr><td>900 - 1050 W</td><td>200 W</td><td>2.2 kg</td></tr></tbody></table> | total power | heating | weight | 400 - 500 W | - | 1.9 kg | 500 - 650 W | - | 2.1 kg | 700 - 850 W | - | 2.1 kg | 600 - 700 W | 200 W | 1.9 kg | 700 - 850 W | 200 W | 2.2 kg | 900 - 1050 W | 200 W | 2.2 kg | 3605 4605 5605 H-3605-2 H-4605-2 H-5605-2 |
| | total power | heating | weight | | | | | | | | | | | | | | | | | | | | | |
| | 400 - 500 W | - | 1.9 kg | | | | | | | | | | | | | | | | | | | | | |
| | 500 - 650 W | - | 2.1 kg | | | | | | | | | | | | | | | | | | | | | |
| | 700 - 850 W | - | 2.1 kg | | | | | | | | | | | | | | | | | | | | | |
| | 600 - 700 W | 200 W | 1.9 kg | | | | | | | | | | | | | | | | | | | | | |
| | 700 - 850 W | 200 W | 2.2 kg | | | | | | | | | | | | | | | | | | | | | |
| | 900 - 1050 W | 200 W | 2.2 kg | | | | | | | | | | | | | | | | | | | | | |
| | The universal voltage range of 220 – 240 V requires the indication of the corresponding power range. | | | | | | | | | | | | | | | | | | | | | | | |
| | ATTENTION! Noise absorber absolutely necessary! | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
|  | Blower for electronic control with central fastening series X605-2 with connection for noise absorber RADIO-SCREENED leg spacing and size of holes as jet pump (1711, 1712, 1713, 2611, 2612, 3611, 3612, 4611, 4612) line voltage: 220 - 240V 50/60Hz system of protection: IP 45 cable length: 2 m with wire end ferrules | <table><thead><tr><th>total power</th><th>heating</th><th>weight</th></tr></thead><tbody><tr><td>400 - 500 W</td><td>-</td><td>1.9 kg</td></tr><tr><td>500 - 650 W</td><td>-</td><td>2.1 kg</td></tr><tr><td>700 - 850 W</td><td>-</td><td>2.1 kg</td></tr><tr><td>600 - 700 W</td><td>200 W</td><td>1.9 kg</td></tr><tr><td>700 - 850 W</td><td>200 W</td><td>2.2 kg</td></tr><tr><td>900 - 1050 W</td><td>200 W</td><td>2.2 kg</td></tr></tbody></table> | total power | heating | weight | 400 - 500 W | - | 1.9 kg | 500 - 650 W | - | 2.1 kg | 700 - 850 W | - | 2.1 kg | 600 - 700 W | 200 W | 1.9 kg | 700 - 850 W | 200 W | 2.2 kg | 900 - 1050 W | 200 W | 2.2 kg | 3605-2 4605-2 5605-2 H-3605-2-2 H-4605-2-2 H-5605-2-2 |
| | total power | heating | weight | | | | | | | | | | | | | | | | | | | | | |
| | 400 - 500 W | - | 1.9 kg | | | | | | | | | | | | | | | | | | | | | |
| | 500 - 650 W | - | 2.1 kg | | | | | | | | | | | | | | | | | | | | | |
| | 700 - 850 W | - | 2.1 kg | | | | | | | | | | | | | | | | | | | | | |
| | 600 - 700 W | 200 W | 1.9 kg | | | | | | | | | | | | | | | | | | | | | |
| | 700 - 850 W | 200 W | 2.2 kg | | | | | | | | | | | | | | | | | | | | | |
| | 900 - 1050 W | 200 W | 2.2 kg | | | | | | | | | | | | | | | | | | | | | |
| | The universal voltage range of 220 – 240 V requires the indication of the corresponding power range. | | | | | | | | | | | | | | | | | | | | | | | |
| | ATTENTION! Noise absorber absolutely necessary! | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |

AIR BLOWER
Order No.

Blower with built-in pneumatic control series X606

with connection for noise absorber
RADIO-SCREENED

leg spacing and size of holes as jet pump (1711, 1712, 1713, 2611, 2612, 3611, 3612, 4611, 4612)

connecting box with built-in pneumatic control
without pneumatic button (see chapter button)

line voltage: 220 - 240V 50/60Hz
system of protection: IP 45
cable length: 2 m with wire end ferrules

| total power | heating | weight | |
|--------------|---------|--------|----------|
| 400 - 500 W | - | 1.9 kg | 3606 |
| 500 - 650 W | - | 2.1 kg | 4606 |
| 700 - 850 W | - | 2.1 kg | 5606 |
| 600 - 700 W | 200 W | 1.9 kg | H-3606-2 |
| 700 - 850 W | 200 W | 2.2 kg | H-4606-2 |
| 900 - 1050 W | 200 W | 2.2 kg | H-5606-2 |

The universal voltage range of 220 – 240 V requires the indication of the corresponding power range.

ATTENTION!

Noise absorber absolutely necessary!


Blower with built-in pneumatic control with central fastening series X606-2

with connection for noise absorber
RADIO-SCREENED

leg spacing and size of holes as jet pump (1711, 1712, 1713, 2611, 2612, 3611, 3612, 4611, 4612)

RADIO-SCREENED

line voltage: 220 - 240V 50/60Hz
system of protection: IP 45
cable length: 2 m with wire end ferrules

| total power | heating | weight | |
|--------------|---------|--------|------------|
| 400 - 500 W | - | 1.9 kg | 3606-2 |
| 500 - 650 W | - | 2.1 kg | 4606-2 |
| 700 - 850 W | - | 2.1 kg | 5606-2 |
| 600 - 700 W | 200 W | 1.9 kg | H-3606-2-2 |
| 700 - 850 W | 200 W | 2.2 kg | H-4606-2-2 |
| 900 - 1050 W | 200 W | 2.2 kg | H-5606-2-2 |

The universal voltage range of 220 – 240 V requires the indication of the corresponding power range.

ATTENTION!

Noise absorber absolutely necessary!



| AIR BLOWER | Order No. |
|--|-----------|
|  <p>Sound absorber 90° angulate 3602-31 with shared screw nut</p> <p>material: plastic thread: S 62 x 3 mm length: 240 mm outside Ø: 63 mm weight: 290 g</p> <p>suitable for: blower for electronic control: 3605, 4605, 5605, H-3605-2, H-4605-2, H-5605-2 blower with built-in pneumatic control: 3606, 4606, 5606, H-3606-2, H-4606-2, H-5606-2 blower for electronic control with central fastening: 3605-2, 4605-2, 5605-2, H-3605-2-2, H-4605-2-2, H-5605-2-2 blower with built-in pneumatic control with central fastening: 3606-2, 4606-2, 5606-2, H-3606-2-2, H-4606-2-2, H-5606-2-2</p> | P-3602-31 |
|  <p>Sound absorber 3602-30 with shared screw nut</p> <p>material: plastic thread: S 62 x 3 mm length: 180 mm outside Ø: 63 mm weight: 210 g</p> <p>suitable for: blower for electronic control: 3605, 4605, 5605, H-3605-2, H-4605-2, H-5605-2 blower with built-in pneumatic control: 3606, 4606, 5606, H-3606-2, H-4606-2, H-5606-2 blower for electronic control with central fastening: 3605-2, 4605-2, 5605-2, H-3605-2-2, H-4605-2-2, H-5605-2-2 blower with built-in pneumatic control with central fastening: 3606-2, 4606-2, 5606-2, H-3606-2-2, H-4606-2-2, H-5606-2-2</p> | P-3602-30 |

AIR BLOWER
Order No.
Blower for electronic control series X602

RADIO-SCREENED

leg spacing and size of holes as jet pump (1711, 1712, 1713, 2611, 2612, 3611, 3612, 4611, 4612)

line voltage: 220 - 240V 50/60Hz
system of protection: IP 45
cable length: 2 m with wire end ferrules



| total power | heating | weight | |
|--------------|---------|--------|----------|
| 400 - 500 W | - | 1.9 kg | 3602 |
| 500 - 650 W | - | 2.1 kg | 4602 |
| 700 - 850 W | - | 2.1 kg | 5602 |
| 600 - 700 W | 200 W | 1.9 kg | H-3602-2 |
| 700 - 850 W | 200 W | 2.2 kg | H-4602-2 |
| 900 - 1050 W | 200 W | 2.2 kg | H-5602-2 |

The universal voltage range of 220 – 240 V requires the indication of the corresponding power range.


Blower with built-in pneumatic control series X604

RADIO-SCREENED

leg spacing and size of holes as jet pump (1711, 1712, 1713, 2611, 2612, 3611, 3612, 4611, 4612)

connecting box with built-in pneumatic control without pneumatic button (see chapter button)

line voltage: 220 - 240V 50/60Hz
system of protection: IP 45
cable length: 2 m with wire end ferrules



| total power | heating | weight | |
|--------------|---------|--------|----------|
| 400 - 500 W | - | 1.9 kg | 3604 |
| 500 - 650 W | - | 2.2 kg | 4604 |
| 700 - 850 W | - | 2.2 kg | 5604 |
| 600 - 700 W | 200 W | 1.9 kg | H-3604-2 |
| 700 - 850 W | 200 W | 2.2 kg | H-4604-2 |
| 900 - 1050 W | 200 W | 2.2 kg | H-5604-2 |

The universal voltage range of 220 – 240 V requires the indication of the corresponding power range.



| AIR BLOWER | | | Order No. | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|-------------|------------|--------|--|-------------|---|--------|--------|-------------|---|--------|--------|-------------|---|--------|--------|-------------|-------|--------|------------|-------------|-------|--------|------------|--------------|-------|--------|------------|--|
| <div>WILL BE DISCONTINUED</div> <div></div> | Sound insulation cover 3602-20 weight: 199 g suitable for: all blowers of the series: 3602, 4602, 5602 3604, 4604, 5604 | 3602-20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div></div> | Union 858-11 temperature stability thread: S 62 x 3 mm adhesive socket Ø: 32 mm weight: 83 g suitable for: all blowers of the series: 3602, 4602, 5602 3604, 4604, 5604 3605, 4605, 5605 3606, 4606, 5606 | 858-11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div><div></div></div> | Blower for electronic control with central fastening series X602-1 RADIO-SCREENED leg spacing and size of holes as jet pump (1711, 1712, 1713, 2611, 2612, 3611, 3612, 4611, 4612) line voltage: 220 - 240V 50/60Hz system of protection: IP 45 cable length: 2 m with wire end ferrules <table><tr><th>total power</th><th>heating</th><th>weight</th><th></th></tr><tr><td>400 - 500 W</td><td>-</td><td>1.9 kg</td><td>3602-1</td></tr><tr><td>500 - 650 W</td><td>-</td><td>2.2 kg</td><td>4602-1</td></tr><tr><td>700 - 850 W</td><td>-</td><td>2.2 kg</td><td>5602-1</td></tr><tr><td>600 - 700 W</td><td>200 W</td><td>1.9 kg</td><td>H-3602-2-1</td></tr><tr><td>700 - 850 W</td><td>200 W</td><td>2.2 kg</td><td>H-4602-2-1</td></tr><tr><td>900 - 1050 W</td><td>200 W</td><td>2.2 kg</td><td>H-5602-2-1</td></tr></table> The universal voltage range of 220 – 240 V requires the indication of the corresponding power range.  | total power | heating | weight | | 400 - 500 W | - | 1.9 kg | 3602-1 | 500 - 650 W | - | 2.2 kg | 4602-1 | 700 - 850 W | - | 2.2 kg | 5602-1 | 600 - 700 W | 200 W | 1.9 kg | H-3602-2-1 | 700 - 850 W | 200 W | 2.2 kg | H-4602-2-1 | 900 - 1050 W | 200 W | 2.2 kg | H-5602-2-1 | |
| total power | heating | weight | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 400 - 500 W | - | 1.9 kg | 3602-1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 500 - 650 W | - | 2.2 kg | 4602-1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 700 - 850 W | - | 2.2 kg | 5602-1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 600 - 700 W | 200 W | 1.9 kg | H-3602-2-1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 700 - 850 W | 200 W | 2.2 kg | H-4602-2-1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 900 - 1050 W | 200 W | 2.2 kg | H-5602-2-1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |

AIR BLOWER
Order No.

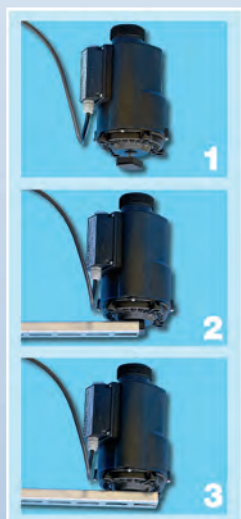
Blower with built-in pneumatic control with central fastening series X604-1

RADIO-SCREENED

leg spacing and size of holes as jet pump (1711, 1712, 1713, 2611, 2612, 3611, 3612, 4611, 4612)

connecting box with built-in pneumatic control without pneumatic button (see chapter button)

line voltage: 220 - 240V 50/60Hz
system of protection: IP 45
cable length: 2 m with wire end ferrules



| total power | heating | weight | |
|--------------|---------|--------|------------|
| 400 - 500 W | - | 1.9 kg | 3604-1 |
| 500 - 650 W | - | 2.2 kg | 4604-1 |
| 700 - 850 W | - | 2.2 kg | 5604-1 |
| 600 - 700 W | 200 W | 1.9 kg | H-3604-2-1 |
| 700 - 850 W | 200 W | 2.2 kg | H-4604-2-1 |
| 900 - 1050 W | 200 W | 2.2 kg | H-5604-2-1 |

The universal voltage range of 220 – 240 V requires the indication of the corresponding power range.


Blower mounting carrier 0855-10

VZ-0855-10

material: steel galvanized / plastic
weight: 206 g

suitable for:

all blowers of the series:
3602, 4602, 5602
3604, 4604, 5604



| AIR BLOWER | | Order No. | | | | | | | | | |
|---|---|-------------|---------|--------|-------------|---|--------|--------------|-------|--------|------------------|
|  | Blower for electronic control series 1602 RADIO-SCREENED leg spacing and size of holes as jet pump (1711, 1712, 1713, 2611, 2612, 3611, 3612, 4611, 4612) filter with integrated thread line voltage: 220 - 240V 50/60Hz system of protection: IP 45 cable length: 2 m with wire end ferrules <table><tr><th>total power</th><th>heating</th><th>weight</th></tr><tr><td>600 - 800 W</td><td>-</td><td>2.5 kg</td></tr><tr><td>850 - 1050 W</td><td>250 W</td><td>2.6 kg</td></tr></table> The universal voltage range of 220 – 240 V requires the indication of the corresponding power range. CE  | total power | heating | weight | 600 - 800 W | - | 2.5 kg | 850 - 1050 W | 250 W | 2.6 kg | 1602 H-1602-2 |
| | total power | heating | weight | | | | | | | | |
| 600 - 800 W | - | 2.5 kg | | | | | | | | | |
| 850 - 1050 W | 250 W | 2.6 kg | | | | | | | | | |
|  | Blower with built-in pneumatic control series 1604 RADIO-SCREENED leg spacing and size of holes as jet pump (1711, 1712, 1713, 2611, 2612, 3611, 3612, 4611, 4612) filter with integrated thread connecting box with built-in pneumatic control without pneumatic button (see chapter button) line voltage: 220 - 240V 50/60Hz system of protection: IP 45 cable length: 2 m with wire end ferrules <table><tr><th>total power</th><th>heating</th><th>weight</th></tr><tr><td>600 - 800 W</td><td>-</td><td>2.5 kg</td></tr><tr><td>850 - 1050 W</td><td>250 W</td><td>2.6 kg</td></tr></table> The universal voltage range of 220 – 240 V requires the indication of the corresponding power range. CE  | total power | heating | weight | 600 - 800 W | - | 2.5 kg | 850 - 1050 W | 250 W | 2.6 kg | 1604 H-1604-2 |
| | total power | heating | weight | | | | | | | | |
| 600 - 800 W | - | 2.5 kg | | | | | | | | | |
| 850 - 1050 W | 250 W | 2.6 kg | | | | | | | | | |

| AIR BLOWER | Order No. |
|--|-----------|
| <div>WILL BE DISCONTINUED</div>  <p>Sound insulation cover 1602-20 weight: 333 g</p> <p>suitable for: all blowers of the series: 1602, 1604</p> | 1602-20 |
|  <p>Tee 860-1 with shared screw nut temperature stability Ø 32 mm stopper stuck in, Ø 3 mm drilling in the stopper</p> <p>thread: S 62 x 3 mm adhesive socket Ø: 32 mm weight: 178 g</p> <p>suitable for: all blowers of the series: 1602, 1604</p> | P-860-1 |
|  <p>Filter unit 610 body incl. filter and sealing ring integrated thread</p> <p>weight: 140 g</p> <p>suitable for: all blowers of the series: 1602, 1604</p> | P-610 |
|  <p>Leg 857-1 full of rubber, no screws assemble friendly</p> <p>weight: 10 g</p> <p>suitable for: all blowers, jet pumps of the series: 1711, 1712, 1713, 2611, 2612, 3611, 3612, 4611, 4612</p> | 857-1 |

| AIR BLOWER | | | Order No. | | | | | |
|---|---|---|-------------------------------|-----------------------|--------------------------------------|--------------------------------|------|-----------------------|
|  | <p>Leg 857 with 2 nuts</p> <table><tr><td>suitable for: all blowers and all jet pumps (except 2613-UXX, 2614-UXX)</td><td>thread length 15 mm</td><td>weight 34 g</td></tr><tr><td>all blowers and all jet pumps</td><td>18 mm</td><td>38 g</td></tr></table> | suitable for: all blowers and all jet pumps (except 2613-UXX, 2614-UXX) | thread length 15 mm | weight 34 g | all blowers and all jet pumps | 18 mm | 38 g | <p>857 857-18</p> |
| suitable for: all blowers and all jet pumps (except 2613-UXX, 2614-UXX) | thread length 15 mm | weight 34 g | | | | | | |
| all blowers and all jet pumps | 18 mm | 38 g | | | | | | |
|  | <p>Check valve series 71032-X flow direction variable, exchangeable, full flow, without steps</p> <p>adhesive socket Ø : 32 mm</p> <table><tr><td>variant with spring</td><td>weight 177 g</td></tr><tr><td>without spring</td><td>177 g</td></tr></table> <p>suitable for: all blowers except the series 76X</p> | variant with spring | weight 177 g | without spring | 177 g | <p>P-71032-2 P-71032-1</p> | | |
| variant with spring | weight 177 g | | | | | | | |
| without spring | 177 g | | | | | | | |
|  | <p>Check valve 71132 flow direction fixed (marked with an arrow)</p> <p>adhesive socket Ø : 32 mm weight: 67 g</p> <p>suitable for: all blowers except the series 76X</p> | <p>P-71132</p> | | | | | | |
|  | <p>Pneumatic button 6871-PS weight: 18 g</p> <p>suitable for: all blowers and pumps with pneumatic construction</p> <p>ATTENTION! not suitable for pumps with pneumatic dry-running protection sensor</p> | <p>6871-PS</p> | | | | | | |

| AIR BLOWER | | | | | | Order No. |
|--|--|--------|--------|-------------|--------|-----------|
|  | Whisper blower series 76X line voltage: 220 - 240V 50/60Hz system of protection: IP X5 cable length: 1.5 m with wire end ferrules | | | | | |
| | length | width | height | total power | weight | |
| | 190 mm | 155 mm | 165 mm | 40 W | 3.2 kg | 761 |
| | 275 mm | 200 mm | 216 mm | 65 W | 6.3 kg | 762 |
|  | | | | | | |
|  | Holding bow 761-1 material: brass weight: 48 g suitable for: whisper blower: 761 | | | | | 761-1 |
| | | | | | | |
|  | Elastic tightening strap 761-2 weight: 11 g suitable for: whisper blower: 761 to fix the whisper blower 761 with the holding device 761-1 | | | | | 761-2 |
| | | | | | | |
|  | Tool carrier plate 761-4 with assembling auxiliaries material: steel galvanized / plastic length: 200 mm width: 139 mm weight: 450 g suitable for: whisper blower: 761, 762 | | | | | VZ-761-4 |
| | | | | | | |
|  | Leg set 761-3 weight: 20 g consists of: 4 pcs. rubber buffer (WV-WP-00030) 4 pcs. spacer sleeve (WV-WP-00029) 4 pcs. washer (WV-VE-00053) 4 pcs. nut (WV-VE-00015) suitable for: whisper blower: 761, 762 | | | | | 761-3 |
| | | | | | | |

AIR CONTROLLER

11

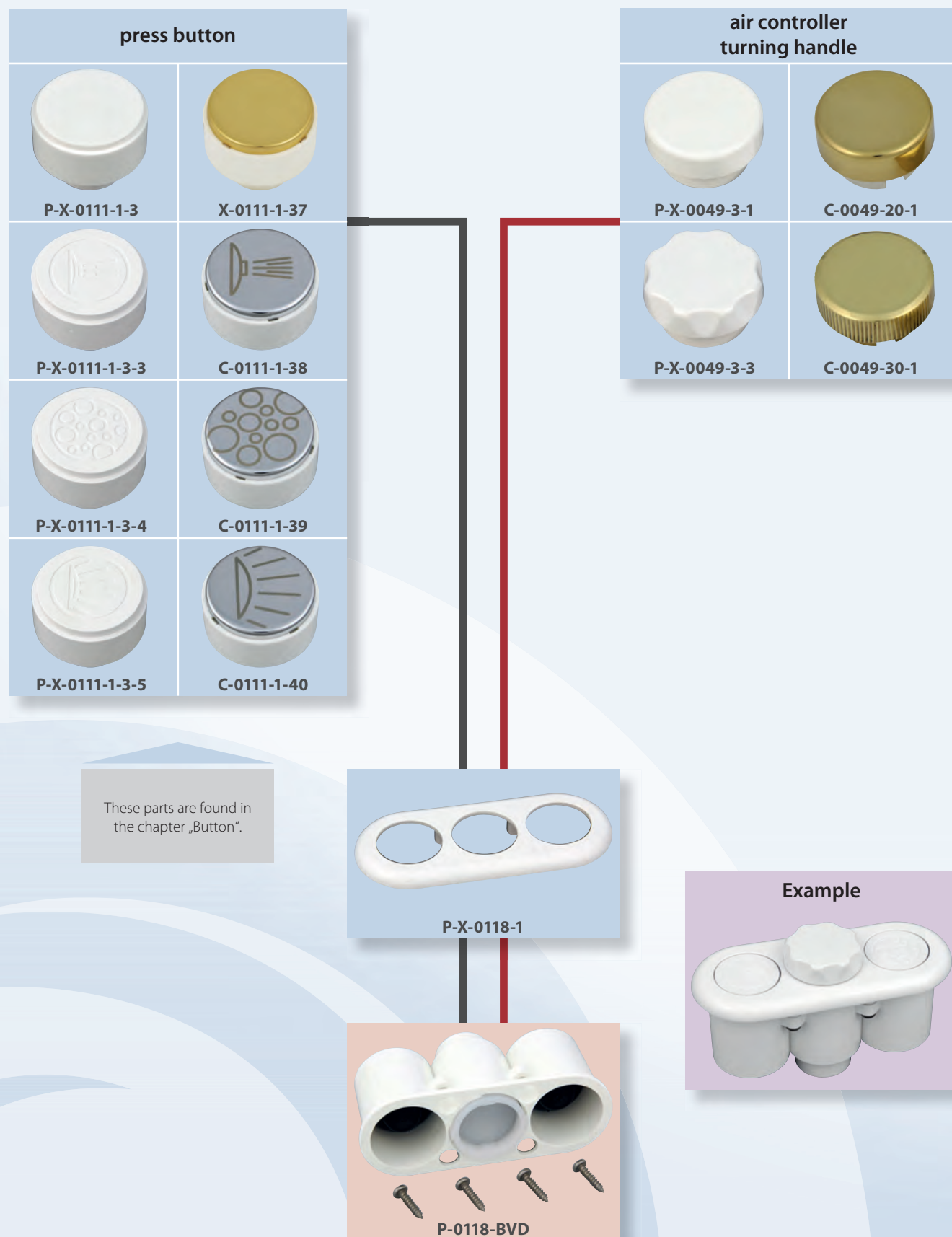


Features - Air Controller



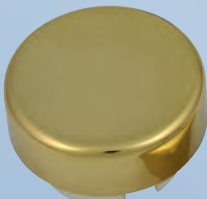
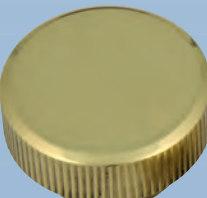
- Wide choice of covers in various designs and materials
- Combi buttons = combination of air control and button
- Turbo-, silent- and permanent air control
- Integrated check-valve
- Also available in Flatline versions



Combi control panel - structure



Please replace the X by the desired color code shown on the inside front cover legend!

| AIR CONTROLLER | Order No. |
|--|---|
|  <p>air controller turning handle 0049-3-1 material: plastic cover Ø: 33.5 mm height: 9 mm weight: 6 g</p> <p>suitable for: combination control panel cover: P-X-0118-1 Flatline push button cover: C-M00355-10, C-M10355-10</p> | P-W-0049-3-1 P-C-0049-3-1 |
|  <p>air controller turning handle 0049-3-3 material: plastic cover Ø: 33.5 mm height: 9 mm weight: 6 g</p> <p>suitable for: combination control panel cover: P-X-0118-1 Flatline push button cover: C-M00355-10, C-M10355-10</p> | P-W-0049-3-3 P-C-0049-3-3 |
|  <p>air controller turning handle 0049-20-1 material: brass / plastic cover Ø: 35 mm height: 11 mm weight: 16 g</p> <p>suitable for: combination control panel cover: P-X-0118-1 Flatline push button cover: C-M00355-10, C-M10355-10</p> | C-0049-20-1 B-0049-20-1 GP-0049-20-1 W-0049-20-1 |
|  <p>air controller turning handle 0049-30-1 material: brass cover Ø: 36 mm height: 11.5 mm weight: 76 g</p> <p>suitable for: combination control panel cover: P-X-0118-1 Flatline push button cover: C-M00355-10, C-M10355-10</p> | C-0049-30-1 B-0049-30-1 GP-0049-30-1 W-0049-30-1 |

| AIR CONTROLLER | Order No. | | | | | | | | | | | | | | | | |
|---|----------------------------------|---------|--------------|---------------|----------------------------------|-------|-----------------|-------|--------------|---------------------|----------|-------|-------------------------|------|---------|------|-------------------|
| <div>WILL BE DISCONTINUED</div> <div> </div> <div>Combi control panel cover 0118-1</div> <div> <p>material: plastic length: 115 mm width: 48 mm height: 6 mm weight: 13 g</p> </div> <div>suitable for:</div> <div> <p>combi control panel lower part: P-0118-BVD</p> </div> | <p>P-W-0118-1 P-C-0118-1</p> | | | | | | | | | | | | | | | | |
| <div>WILL BE DISCONTINUED</div> <div> </div> <div>Combi control panel lower part 0118-BVD</div> <div> <p>combination of air control and 2 pneumatic button</p> </div> <div> <table border="0"> <tr> <td>material:</td><td>plastic</td></tr> <tr> <td>air suction:</td><td>under the tub</td></tr> <tr> <td>connection for air controller Ø:</td><td>20 mm</td></tr> <tr> <td>fitting length:</td><td>51 mm</td></tr> <tr> <td>check valve:</td><td>integrated (P-0449)</td></tr> <tr> <td>drill Ø:</td><td>35 mm</td></tr> <tr> <td>pneumatic connection Ø:</td><td>3 mm</td></tr> <tr> <td>weight:</td><td>77 g</td></tr> </table> </div> <div>inclusive:</div> <div> <p>4 pieces stainless steel screws (3,5 x 16 mm)</p> </div> | material: | plastic | air suction: | under the tub | connection for air controller Ø: | 20 mm | fitting length: | 51 mm | check valve: | integrated (P-0449) | drill Ø: | 35 mm | pneumatic connection Ø: | 3 mm | weight: | 77 g | <p>P-0118-BVD</p> |
| material: | plastic | | | | | | | | | | | | | | | | |
| air suction: | under the tub | | | | | | | | | | | | | | | | |
| connection for air controller Ø: | 20 mm | | | | | | | | | | | | | | | | |
| fitting length: | 51 mm | | | | | | | | | | | | | | | | |
| check valve: | integrated (P-0449) | | | | | | | | | | | | | | | | |
| drill Ø: | 35 mm | | | | | | | | | | | | | | | | |
| pneumatic connection Ø: | 3 mm | | | | | | | | | | | | | | | | |
| weight: | 77 g | | | | | | | | | | | | | | | | |

| AIR CONTROLLER | Order No. |
|--|--------------------------|
|  <p>Flatline combi button pneumatic P-X-M00356 combination of air controller and pneumatic button</p> <p>material: plastic / brass air suction: under the tub connection for air controller Ø: 20 mm fitting length: 90 mm wall thickness: 2 - 20 mm drill Ø: 52 mm pneumatic connection Ø: 3 mm cover Ø: 56 mm check valve: integrated (P-0449) weight: 127 g</p> | P-W-M00356 P-C-M00356 |
|  <p>Flatline combi button ring M00356-10</p> <p>material: brass drill Ø: 52 mm cover Ø: 56 mm weight: 32 g</p> <p>suitable for: Flatline combi button: P-X-M00356</p> | C-M00356-10 |
|  <p>Flatline spacer washer M00356-1</p> <p>material: plastic outside Ø: 60 mm thickness: 6.5 mm weight: 8 g</p> <p>suitable for: Flatline combi button: P-X-M00356</p> | P-M00356-1 |

Combi button PN - structure



These parts are found
in the chapter „Button“.



Please replace the X by the desired color code shown on the inside front cover legend!

Combi button with electronic button Ø 25 mm - structure



Please replace the X by the desired color code shown on the inside front cover legend!

| AIR CONTROLLER | Order No. |
|---|------------------------------|
|  <p>Press button 0112-14 material: plastic Ø: 28 mm weight: 9 g</p> <p>suitable for: combi button lower part: P-0112-BVD</p> | P-W-0112-14 |
|  <p>Combi button ring P-X-0112-4 material: plastic outside Ø: 57 mm weight: 9 g</p> <p>suitable for: combi button lower part: P-0112-BVD, P-3601A-BVD, P-3602A-BVD connection body for PN button: P-0112-24 connection body for EL button: P-0112-23</p> | P-W-0112-4 P-C-0112-4 |
|  <p>Combi button ring 0112-4-3 with labeling (ON AIR OFF)</p> <p>material: plastic outside Ø: 57 mm weight: 9 g</p> <p>suitable for: combi button lower part: P-0112-BVD, P-3601A-BVD, P-3602A-BVD connection body for PN button: P-0112-24 connection body for EL button: P-0112-23</p> | P-W-0112-4-3 P-C-0112-4-3 |
|  <p>Combi button ring 0112-4-1 material: plastic outside Ø: 57 mm weight: 9 g</p> <p>suitable for: combi button lower part: P-0112-BVD, P-3601A-BVD, P-3602A-BVD connection body for PN button: P-0112-24 connection body for EL button: P-0112-23</p> | P-W-0112-4-1 P-C-0112-4-1 |

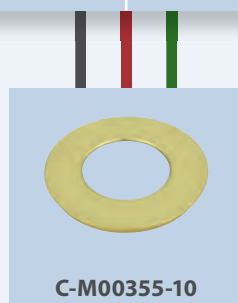
| AIR CONTROLLER | Order No. |
|---|---|
|  <p>Combi button ring 0112-4-4 with labeling (ON AIR OFF)</p> <p>material: plastic outside Ø: 57 mm weight: 9 g</p> <p>suitable for: combi button lower part: P-0112-BVD, P-3601A-BVD, P-3602A-BVD connection body for PN button: P-0112-24 connection body for EL button: P-0112-23</p> | P-W-0112-4-4 P-C-0112-4-4 |
|  <p>Combi button ring X-0112-4</p> <p>material: brass / plastic outside Ø: 58 mm weight: 25 g</p> <p>suitable for: combi button lower part: P-0112-BVD, P-3601A-BVD, P-3602A-BVD connection body for PN button: P-0112-24 connection body for EL button: P-0112-23</p> | C-0112-4 B-0112-4 GP-0112-4 W-0112-4 |
|  <p>Combi button lower part 0112-BVD combination of air controller and pneumatic button</p> <p>material: plastic air suction: under the tub connection for air controller Ø: 20 mm fitting length: 90 mm wall thickness: 2 - 20 mm check valve: integrated (P-0449) drill Ø: 43 mm pneumatic connection Ø: 3 mm weight: 78 g</p> | P-0112-BVD |

| AIR CONTROLLER | Order No. | | | | | | |
|--|----------------------|--------|-------------------------------|-------|----------------------------|-------|----------------------------|
|  <p>Combi button 0112 combination of air controller and pneumatic button</p> <p>material: plastic air suction: under the tub connection for air controller Ø: 20 mm fitting length: 90 mm wall thickness: 2 - 20 mm check valve: integrated (P-0449) drill Ø: 43 mm pneumatic connection Ø: 3 mm cover Ø: 57 mm weight: 91 g</p> <p>consists of: press button: P-X-0111-1-3 combi button ring: P-X-0112-4-3 combi button lower part: P-0112-BVD</p> | P-W-0112 P-C-0112 | | | | | | |
|  <p>Combi button 0114 combination of air controller and pneumatic button</p> <p>material: plastic air suction: under the tub connection for air controller Ø: 20 mm fitting length: 90 mm wall thickness: 2 - 20 mm check valve: integrated (P-0449) drill Ø: 43 mm pneumatic connection Ø: 3 mm cover Ø: 57 mm weight: 87 g</p> | P-W-0114 P-C-0114 | | | | | | |
|  <p>Combi button lower part 360XA-BVD combination of air controller and electronic button</p> <p>material: plastic air suction: under the tub connection for air controller Ø: 20 mm fitting length: 90 mm wall thickness: 2 - 20 mm check valve: integrated (P-0449) drill Ø: 43 mm free cable end: 2 m with tin-plated line ends weight: 156 g</p> <table> <thead> <tr> <th>variant</th><th>weight</th></tr> </thead> <tbody> <tr> <td>electronic button without LED</td><td>126 g</td></tr> <tr> <td>electronic button with LED</td><td>128 g</td></tr> </tbody> </table> <p>For the operation of the control panels of the series 230-8014X-SXX, 230-8022A-SXX, 230-8091A-SXX and jet pumps with built-in electronic control.</p> | variant | weight | electronic button without LED | 126 g | electronic button with LED | 128 g | P-3601A-BVD P-3602A-BVD |
| variant | weight | | | | | | |
| electronic button without LED | 126 g | | | | | | |
| electronic button with LED | 128 g | | | | | | |

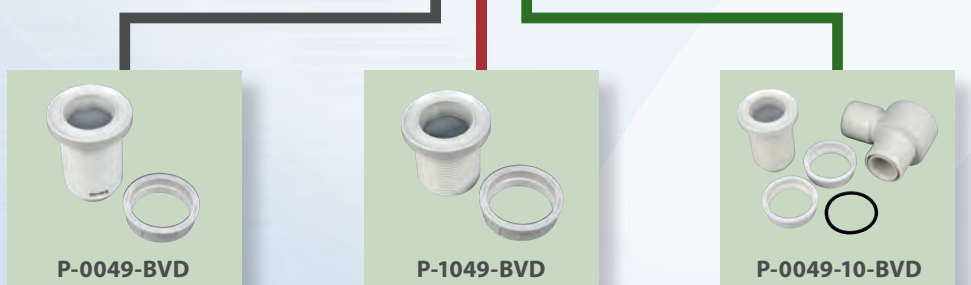
Air controller Flatline - structure



See page 11.2

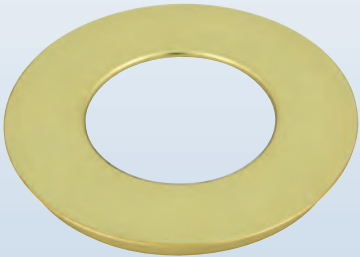



ATTENTION!
The spacer washer needs to be used to ensure that the part is tightened well.

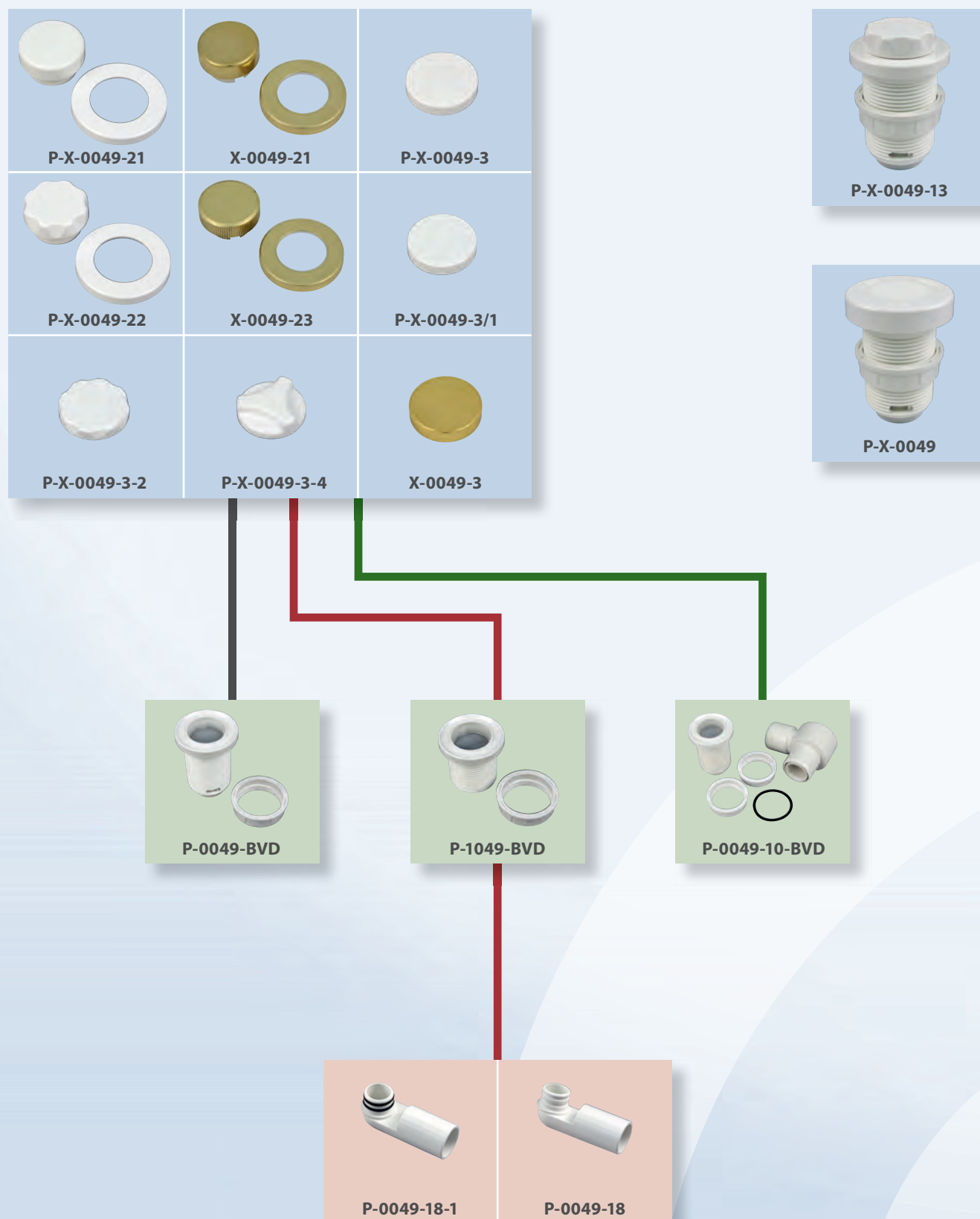


The suitable fittings for the pipe work are found in the chapter „Fitting“.

Please replace the X by the desired color code shown on the inside front cover legend!

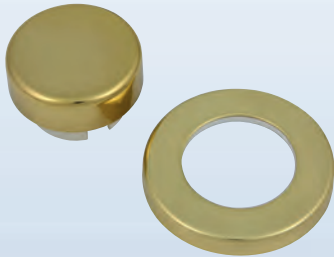
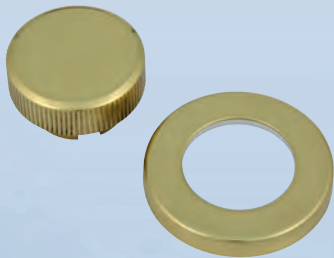


| AIR CONTROLLER | Order No. |
|--|-------------|
|  <p>Flatline push button cover M00355-10</p> <p>material: brass outside Ø: 50 mm drill Ø: 46 mm weight: 33 g</p> <p>suitable for: air controller lower part: P-0049-BVD, P-1049-BVD turbo air controller lower part: P-0049-10-BVD push button lower part: P-0111-BVD</p> | C-M00355-10 |
|  <p>Flatline spacer washer M00304-1</p> <p>material: plastic outside Ø: 55 mm thickness: 5.5 mm weight: 6 g</p> <p>suitable for: air controller lower part: P-0049-BVD, P-1049-BVD turbo air controller lower part: P-0049-10-BVD push button lower part: P-0111-BVD electronic temperature indicator: 3701A-S01, 3701B-S01 electronic temperature control device: 3701C-S01 button body: P-325XX, P-341XX, R-346XX mini LED spa light: 5141-A, 5141-B, 5141-C, 5141-D, 5141-E mini LED spa light with transformer: 240-5261A, 240-5261B, 240-5261C, 240-5261D, 240-5261E mini RGB LED spa light: 012-5161A-S01, 012-5161A-S02, 012-5162A-S03, 012-5162A-S04 mini RGB LED spa light with transformer: 240-5261F-S01, 240-5261F-S02</p> | P-M00304-1 |

Air controller - Cover Ø 48 mm, Ø 52 mm - structure



Please replace the X by the desired color code shown on the inside front cover legend!

| AIR CONTROLLER | Order No. |
|--|----------------------------|
|  <p>Air controller 0049-13</p> <p>material: plastic air suction: under the tub connection for air controller Ø: 20 mm fitting length: 56 mm wall thickness: 2 - 35 mm check valve: integrated (P-0449) drill Ø: 37 mm cover Ø: 48 mm weight: 58 g</p> <p>consists of: air controller cover: P-X-0049-22 air controller lower part: P-0049-BVD</p> | P-W-0049-13 P-C-0049-13 |
|  <p>Air controller 0049</p> <p>material: plastic air suction: under the tub connection for air controller Ø: 20 mm fitting length: 56 mm wall thickness: 2 - 35 mm check valve: integrated (P-0449) drill Ø: 37 mm cover Ø: 52 mm weight: 57 g</p> <p>consists of: air controller cover: P-X-0049-3 air controller lower part: P-0049-BVD</p> | P-W-0049 P-C-0049 |
|  <p>Air controller cover P-X-0049-21</p> <p>material: plastic cover Ø: 48 mm weight: 10 g</p> <p>suitable for: air controller lower part: P-0049-BVD, P-1049-BVD turbo air controller lower part: P-0049-10-BVD</p> | P-W-0049-21 P-C-0049-21 |
|  <p>Air controller cover 0049-22</p> <p>material: plastic cover Ø: 48 mm weight: 10 g</p> <p>suitable for: air controller lower part: P-0049-BVD, P-1049-BVD turbo air controller lower part: P-0049-10-BVD</p> | P-W-0049-22 P-C-0049-22 |

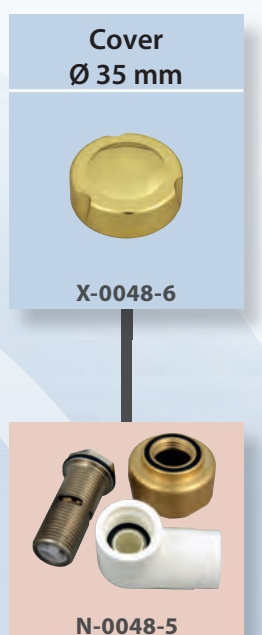
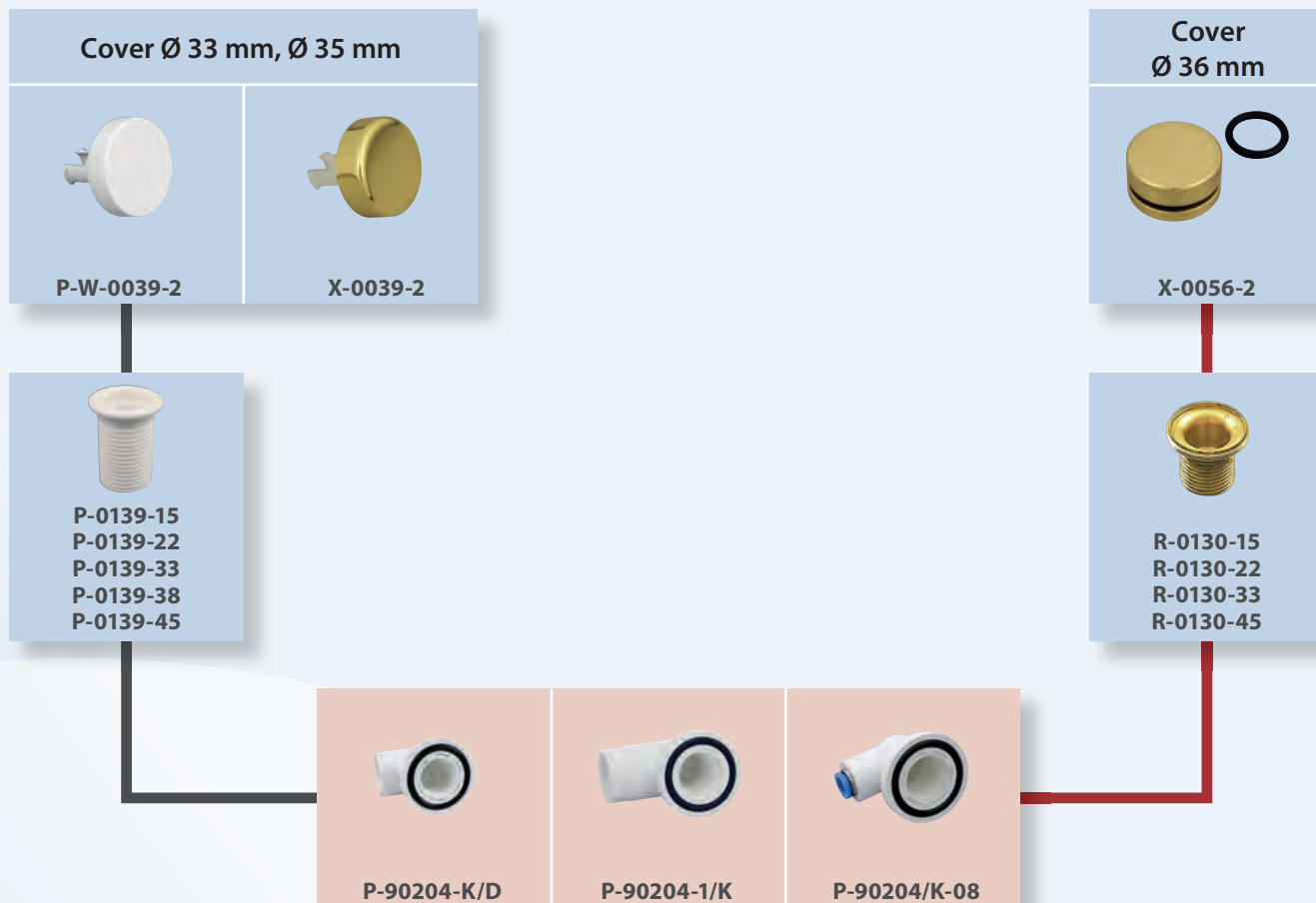
| AIR CONTROLLER | Order No. |
|--|---|
|  <p>Air controller cover X-0049-21 material: brass / plastic cover Ø: 48 mm weight: 52 g</p> <p>suitable for: air controller lower part: P-0049-BVD, P-1049-BVD turbo air controller lower part: P-0049-10-BVD</p> | C-0049-21 B-0049-21 GP-0049-21 W-0049-21 |
|  <p>Air controller cover 0049-23 material: brass cover Ø: 48 mm weight: 112 g</p> <p>suitable for: air controller lower part: P-0049-BVD, P-1049-BVD turbo air controller lower part: P-0049-10-BVD</p> | C-0049-23 B-0049-23 GP-0049-23 W-0049-23 |
|  <p>Air controller cover P-X-0049-3 material: plastic cover Ø: 52 mm weight: 9 g</p> <p>suitable for: air controller lower part: P-0049-BVD, P-1049-BVD turbo air controller lower part: P-0049-10-BVD</p> | P-W-0049-3 P-C-0049-3 |
|  <p>Air controller cover 0049-3-1 with labeling (ON AIR OFF)</p> <p>material: plastic cover Ø: 52 mm weight: 9 g</p> <p>suitable for: air controller lower part: P-0049-BVD, P-1049-BVD turbo air controller lower part: P-0049-10-BVD</p> | P-W-0049-3-5 P-C-0049-3-5 |

| AIR CONTROLLER | Order No. |
|---|---|
|  <p>Air controller cover 0049-3-2 material: plastic cover Ø: 52 mm weight: 8 g</p> <p>suitable for: air controller lower part: P-0049-BVD, P-1049-BVD turbo air controller lower part: P-0049-10-BVD</p> | P-W-0049-3-2 P-C-0049-3-2 |
|  <p>Air controller cover 0049-3-4 material: plastic cover Ø: 52 mm weight: 10 g</p> <p>suitable for: air controller lower part: P-0049-BVD, P-1049-BVD turbo air controller lower part: P-0049-10-BVD</p> | P-W-0049-3-4 P-C-0049-3-4 |
|  <p>Air controller cover X-0049-3 material: brass / plastic cover Ø: 53 mm weight: 35 g</p> <p>suitable for: air controller lower part: P-0049-BVD, P-1049-BVD turbo air controller lower part: P-0049-10-BVD</p> | C-0049-3 B-0049-3 GP-0049-3 W-0049-3 |
|  <p>Air controller lower part 0049-BVD material: plastic air suction: under the tub connection for air controller Ø: 20 mm fitting length: 56 mm wall thickness: 2 - 35 mm check valve: integrated (P-0449) drill Ø: 37 mm weight: 48 g</p> | P-0049-BVD |

| AIR CONTROLLER | Order No. |
|---|---------------|
|  <p>Air controller lower part 1049-BVD</p> <p>material: plastic air suction: under the tub connection for air controller Ø: 20 mm fitting length: 36 mm wall thickness: 2 - 23 mm drill Ø: 37 mm weight: 35 g</p> <p>suitable for: elbow: 0049-18-1, 0049-18</p> | P-1049-BVD |
|  <p>Turbo air controller lower part 0049-10-BVD</p> <p>material: plastic air suction: Ø 20 mm via the blower connection for air controller Ø: 20 mm fitting length: 95 mm wall thickness: 2 - 11 mm check valve: integrated (P-0449) drill Ø: 37 mm weight: 138 g</p> <p>Functional description: Conventional air controls draw in air from underneath or from above the tub and supplies the water jets with a stimulating massage effect. When switching on the blower, the turbo air control reinforces this invigorating massage effect.</p> | P-0049-10-BVD |
|  <p>Elbow 90° 0049-18-1</p> <p>type of connection: plug-in adhesive socket Ø : 20 mm check valve: integrated (P-0349) weight: 19 g</p> <p>inclusive: 2 o-rings (18 x 1,5 mm)</p> | P-0049-18-1 |
|  <p>Elbow 90° 0049-18</p> <p>type of connection: gluing adhesive socket Ø : 20 mm check valve: integrated (P-0349) weight: 19 g</p> | P-0049-18 |

Air controller Cover

Ø 33 mm, Ø 35 mm, Ø 36 mm - structure



Please replace the X by the desired color code shown on the inside front cover legend!




Main Catalogue system components for whirlpool tubs
Technical specifications and printing errors are subject to change
without prior notification. EN2122 © Copyright reserved.

| AIR CONTROLLER | | | | Order No. | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|--|----------------|----------------|---|--------|----------|-------|-------|-----|-----------|-------|-------|-----|------------|-------|-------|-----|------------|-------|-------|-----|------------|-------|-------|-----|--|--|
|  | Air controller cover P-X-0039-2 material: plastic air suction: above the tub cover Ø: 33 mm weight: 9 g suitable for: air jet body: series P-0139-XX | | | P-W-0039-2 | | | | | | | | | | | | | | | | | | | | | | | | |
| |  | Air controller cover X-0039-2 material: brass / plastic air suction: above the tub cover Ø: 35 mm weight: 17 g suitable for: air jet body: series P-0139-XX | | | C-0039-2 B-0039-2 GP-0039-2 W-0039-2 | | | | | | | | | | | | | | | | | | | | | | | |
|  | | Air jet body series 0139-XX material: plastic thread: 1/2" outside thread drill Ø: 22 mm key: N-0144 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <table><thead><tr><th>wall thickness</th><th>overall length</th><th>thread length</th><th>weight</th></tr></thead><tbody><tr><td>2 - 4 mm</td><td>17 mm</td><td>15 mm</td><td>2 g</td></tr><tr><td>3 - 11 mm</td><td>24 mm</td><td>22 mm</td><td>3 g</td></tr><tr><td>14 - 22 mm</td><td>35 mm</td><td>33 mm</td><td>4 g</td></tr><tr><td>20 - 27 mm</td><td>40 mm</td><td>38 mm</td><td>4 g</td></tr><tr><td>26 - 33 mm</td><td>47 mm</td><td>45 mm</td><td>5 g</td></tr></tbody></table> | wall thickness | overall length | thread length | weight | 2 - 4 mm | 17 mm | 15 mm | 2 g | 3 - 11 mm | 24 mm | 22 mm | 3 g | 14 - 22 mm | 35 mm | 33 mm | 4 g | 20 - 27 mm | 40 mm | 38 mm | 4 g | 26 - 33 mm | 47 mm | 45 mm | 5 g | suitable for: elbow: series P-90204, P-90310-5K tee: series P-90203, P-90206, P-90216, P-903XX-2K double elbow: series P-90207 connection part: series P-903XX-1K, P-90310-3K | |
| wall thickness | overall length | thread length | weight | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 - 4 mm | 17 mm | 15 mm | 2 g | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 - 11 mm | 24 mm | 22 mm | 3 g | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 - 22 mm | 35 mm | 33 mm | 4 g | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 - 27 mm | 40 mm | 38 mm | 4 g | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26 - 33 mm | 47 mm | 45 mm | 5 g | | | | | | | | | | | | | | | | | | | | | | | | | |

| AIR CONTROLLER | | | | Order No. | | | | | | | | | | | | | | | | | | | | |
|---|---|---------------|--------|---|----------------|---------------|--------|----------|-------|-------|------|-----------|-------|-------|------|------------|-------|-------|------|------------|-------|-------|------|--|
|  | Air controller cover X-0056-2 material: brass air suction: above the tub cover Ø: 36 mm key: N-0146 weight: 73 g inclusive: o-ring (19 x3,5 mm) suitable for: air jet body: series R-0130-XX | | | C-0056-2 B-0056-2 GP-0056-2 W-0056-2 | | | | | | | | | | | | | | | | | | | | |
|  | Air jet body series R-0130-XX material: brass raw thread: 1/2" outside thread drill Ø: 22 mm key: N-0144 <table><tr><th>wall thickness</th><th>overall length</th><th>thread length</th><th>weight</th></tr><tr><td>2 - 5 mm</td><td>19 mm</td><td>15 mm</td><td>19 g</td></tr><tr><td>3 - 11 mm</td><td>26 mm</td><td>22 mm</td><td>27 g</td></tr><tr><td>14 - 22 mm</td><td>37 mm</td><td>33 mm</td><td>36 g</td></tr><tr><td>26 - 33 mm</td><td>49 mm</td><td>45 mm</td><td>48 g</td></tr></table> suitable for: elbow: series P-90204, P-90310-5K tee: series P-90203, P-90206, P-90216, P-903XX-2K double elbow: series P-90207 connection part: series P-903XX-1K, P-90310-3K | | | wall thickness | overall length | thread length | weight | 2 - 5 mm | 19 mm | 15 mm | 19 g | 3 - 11 mm | 26 mm | 22 mm | 27 g | 14 - 22 mm | 37 mm | 33 mm | 36 g | 26 - 33 mm | 49 mm | 45 mm | 48 g | R-0130-15 R-0130-22 R-0130-33 R-0130-45 |
| wall thickness | overall length | thread length | weight | | | | | | | | | | | | | | | | | | | | | |
| 2 - 5 mm | 19 mm | 15 mm | 19 g | | | | | | | | | | | | | | | | | | | | | |
| 3 - 11 mm | 26 mm | 22 mm | 27 g | | | | | | | | | | | | | | | | | | | | | |
| 14 - 22 mm | 37 mm | 33 mm | 36 g | | | | | | | | | | | | | | | | | | | | | |
| 26 - 33 mm | 49 mm | 45 mm | 48 g | | | | | | | | | | | | | | | | | | | | | |
|  | Elbow 90° 90204-K-D adhesive socket Ø: 20 mm thread: 1/2" inside thread weight: 32 g inclusive: o-ring (29,75 x 3,53 mm) | | | P-90204-K-D | | | | | | | | | | | | | | | | | | | | |
|  | Elbow 90° 90204-1-K adhesive socket Ø: 20 mm thread: 1/2" inside thread check valve: integrated (P-0449) weight: 39 g inclusive: o-ring (29,75 x 3,53 mm) | | | P-90204-1-K | | | | | | | | | | | | | | | | | | | | |

| AIR CONTROLLER | Order No. |
|---|---|
|  <p>Elbow 90° with cartridge 90204-K-08</p> <p>cartridge Ø: 8 mm thread: 1/2" inside thread weight: 34 g</p> <p>inclusive: o-ring (29,75 x 3,53 mm)</p> | P-90204-K-08 |
|  <p>Air controller cover 0048-6</p> <p>material: brass cover Ø: 35 mm weight: 73 g</p> <p>suitable for: air controller lower part silent: N-0048-5</p> | C-0048-6 B-0048-6 GP-0048-6 W-0048-6 |
|  <p>Air controller lower part silent 0048-5</p> <p>material: brass / plastic air suction: under the tub connection for air controller Ø: 20 mm fitting length: 77 mm wall thickness: 2 - 12 mm check valve: integrated (WV-WP-00220) drill Ø: 22 mm wrench size: 24 mm 41 mm weight: 238 g</p> | N-0048-5 |
|  <p>Permanent air controller 652010-A</p> <p>adhesive socket Ø: 20 mm check valve: integrated (P-0349) weight: 20 g</p> <p>Functional description: When the jet pump works, the water jets are constantly supplied with air (replaces the air controller which is normally attached to the edge of the tub).</p> | P-652010-A |

| AIR CONTROLLER | Order No. |
|--|-----------|
|  <p>Check valve 0349 weight: 3 g</p> <p>suitable for: elbow: P-0049-18-1, P-0049-18 permanent air controller: P-652010-A</p> | P-0349 |
|  <p>Check valve 0449 weight: 3 g</p> <p>suitable for: Flatline combi button pneumatic: P-X-M00356 Flatline combi button with electronic button lower part: C-M00370-12 combi button: P-0112-BVD, P-X-0112, P-X-0114, P-3091A-BVD, P-3092A-BVD, P-0112-21-BVD air controller: P-X-0049-13, P-X-0049 air controller lower part: P-0049-BVD, P-0049-10-BVD elbow: P-90204-1-K combi control panel lower part: P-0118-BVD</p> | P-0449 |



MAGIC JET

12



whirl.rkoller.com

KOLLER WHIRL-SYSTEMS

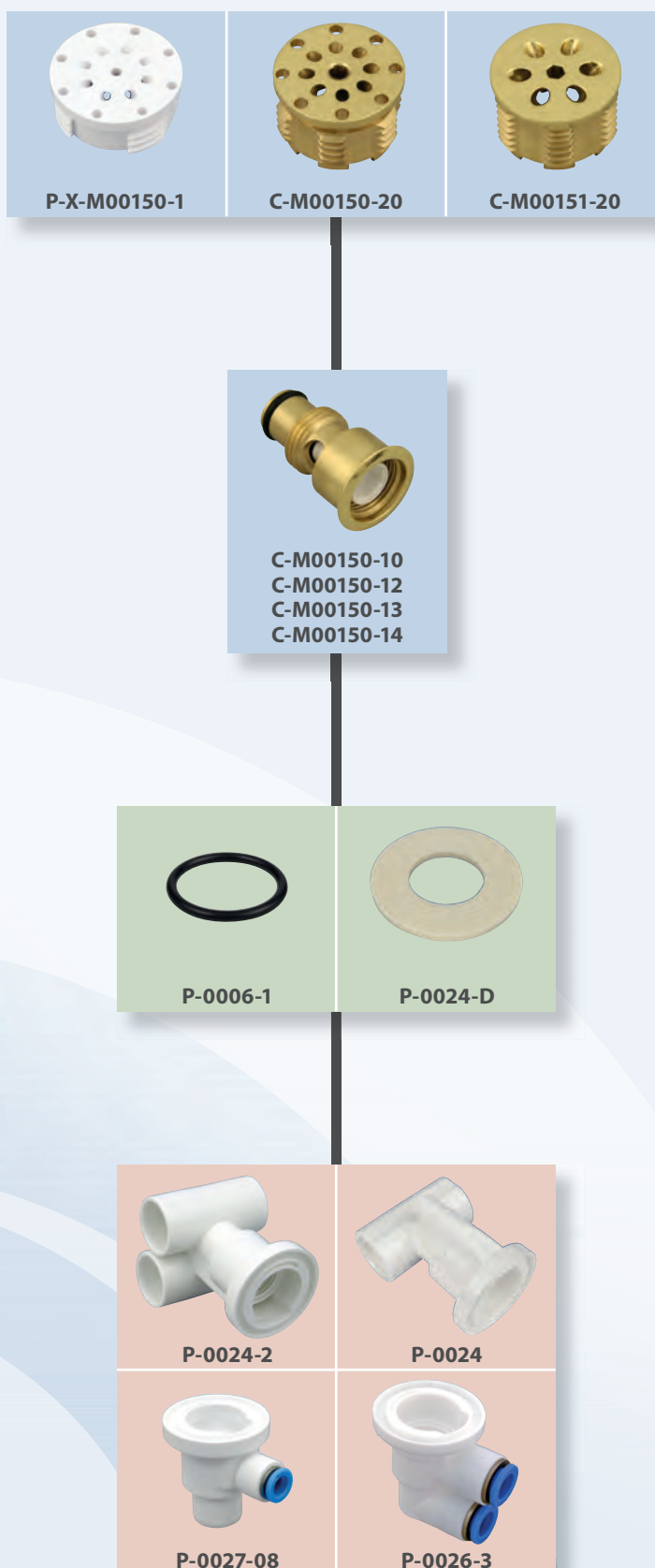


Features - Magic Jet

- Air- and water jet in combination – completely new massage experience
- 3 massage effects: only water, only air, water and air combined
- Wide choice of covers in various designs and materials
- Jet bodies in various lengths
- Also available in flatline versions



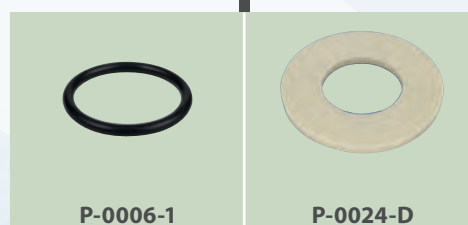
Magic jet Flatline - structure



The suitable fittings and distributors for the pipe work are found in the chapter „Fitting“.
Please replace the X by the desired color code shown on the inside front cover legend!

| MAGIC JET | | Order No. | | | | | | | | | | | | | | | | | | | | |
|---|---|------------------------------|----------------|------------|--------|-----------|-------|-------------|------|------------|-------|-------------|------|------------|-------|-------------|------|------------|-------|-------------|------|--|
|  | <p>Flatline magic jet inner part M00150-1</p> <p>material: plastic outlet for water: 9 hole (inside) outlet for air: 8 hole (outside) weight: 1 g key: P-M00130-50</p> <p>suitable for: Flatline magic jet body: C-M00150-10, C-M00150-12, C-M00150-13, C-M00150-14</p> | P-W-M00150-1 P-C-M00150-1 | | | | | | | | | | | | | | | | | | | | |
|  | <p>Flatline magic jet inner part M00150-20</p> <p>material: brass wrench size: 2.5 mm hexagonal (hex key) outlet for water: 9 hole (inside) outlet for air: 8 hole (outside) weight: 11 g</p> <p>suitable for: Flatline magic jet body: C-M00150-10, C-M00150-12, C-M00150-13, C-M00150-14</p> | C-M00150-20 | | | | | | | | | | | | | | | | | | | | |
|  | <p>Flatline magic jet inner part M00151-20</p> <p>material: brass wrench size: 2.5 mm hexagonal (hex key) outlet for water: 7 hole outlet for air: gap between body and inner part weight: 12 g</p> <p>suitable for: Flatline magic jet body: C-M00150-10, C-M00150-12, C-M00150-13, C-M00150-14</p> | C-M00151-20 | | | | | | | | | | | | | | | | | | | | |
|  | <p>Flatline magic jet body series M00150-XX</p> <p>material: brass outside Ø: 28 mm drill Ø: 24 mm key: N-0145</p> <table><thead><tr><th>wall thickness</th><th>overall length</th><th>jet insert</th><th>weight</th></tr></thead><tbody><tr><td>6 - 11 mm</td><td>45 mm</td><td>P-0242-2-30</td><td>52 g</td></tr><tr><td>10 - 17 mm</td><td>51 mm</td><td>P-0242-2-40</td><td>66 g</td></tr><tr><td>16 - 22 mm</td><td>56 mm</td><td>P-0242-2-45</td><td>78 g</td></tr><tr><td>21 - 27 mm</td><td>61 mm</td><td>P-0242-2-50</td><td>91 g</td></tr></tbody></table> <p>inclusive: o-ring (10,78 x 2,62 mm)</p> <p>suitable for: magic jet: P-0024-2, P-0024 magic jet with cartridge: P-0027-08, P-0026-3</p> | wall thickness | overall length | jet insert | weight | 6 - 11 mm | 45 mm | P-0242-2-30 | 52 g | 10 - 17 mm | 51 mm | P-0242-2-40 | 66 g | 16 - 22 mm | 56 mm | P-0242-2-45 | 78 g | 21 - 27 mm | 61 mm | P-0242-2-50 | 91 g | C-M00150-10 C-M00150-12 C-M00150-13 C-M00150-14 |
| wall thickness | overall length | jet insert | weight | | | | | | | | | | | | | | | | | | | |
| 6 - 11 mm | 45 mm | P-0242-2-30 | 52 g | | | | | | | | | | | | | | | | | | | |
| 10 - 17 mm | 51 mm | P-0242-2-40 | 66 g | | | | | | | | | | | | | | | | | | | |
| 16 - 22 mm | 56 mm | P-0242-2-45 | 78 g | | | | | | | | | | | | | | | | | | | |
| 21 - 27 mm | 61 mm | P-0242-2-50 | 91 g | | | | | | | | | | | | | | | | | | | |

Magic jet - structure



The suitable fittings and distributors for the pipe work are found in the chapter „Fitting”.
Please replace the X by the desired color code shown on the inside front cover legend!

| MAGIC JET | | | Order No. | | | | | | | | | | | |
|---|--|-----------------------------------|----------------|------------|--------|----------|---------|-------------|-----|------------|---------|-------------|------|------------------------|
|  | <p>Magic jet cover P-X-242</p> <p>material: plastic cover Ø: 32 mm outlet for water: 9 hole (inside) outlet for air: 8 hole (outside) weight: 2 g key: P-242-20</p> <p>suitable for: magic jet body: series P-1005-XX, N-1005-XX, N-0028</p> | P-W-242 P-C-242 | | | | | | | | | | | | |
|  | <p>Magic jet cover 246</p> <p>material: plastic cover Ø: 32 mm outlet for water: 9 hole (inside) outlet for air: 8 hole (outside) weight: 2 g key: P-242-20</p> <p>suitable for: magic jet body: series P-1005-XX, N-1005-XX, N-0028</p> <p>outlet openings for water around 35% bigger than P-X-242</p> | P-W-246 P-C-246 | | | | | | | | | | | | |
|  | <p>Magic jet cover 243</p> <p>material: plastic cover Ø: 34 mm outlet for water: 9 hole (inside) outlet for air: 8 hole (outside) weight: 3 g key: P-242-20</p> <p>suitable for: magic jet body: series P-1005-XX, N-1005-XX, N-0028</p> | P-W-243 P-C-243 | | | | | | | | | | | | |
|  | <p>Magic jet cover X-242</p> <p>material: brass cover Ø: 30 mm outlet for water: 8 hole (inside) outlet for air: 7 hole (outside) weight: 15 g key: P-242-20</p> <p>suitable for: magic jet body: series P-1005-XX, N-1005-XX, N-0028</p> | C-242 B-242 GP-242 W-242 | | | | | | | | | | | | |
|  | <p>Magic jet body series P-1005-XX</p> <p>material: plastic drill Ø: 24 mm key: N-0145</p> <table><tr><th>wall thickness</th><th>overall length</th><th>jet insert</th><th>weight</th></tr><tr><td>2 - 6 mm</td><td>41.5 mm</td><td>P-0242-2-30</td><td>7 g</td></tr><tr><td>10 - 17 mm</td><td>51.5 mm</td><td>P-0242-2-40</td><td>10 g</td></tr></table> <p>inclusive: o-ring (10,78 x 2,62 mm)</p> <p>suitable for: magic jet: P-0024, P-0024-2, P-0026-3, P-0027-08</p> | wall thickness | overall length | jet insert | weight | 2 - 6 mm | 41.5 mm | P-0242-2-30 | 7 g | 10 - 17 mm | 51.5 mm | P-0242-2-40 | 10 g | P-1005-41 P-1005-51 |
| wall thickness | overall length | jet insert | weight | | | | | | | | | | | |
| 2 - 6 mm | 41.5 mm | P-0242-2-30 | 7 g | | | | | | | | | | | |
| 10 - 17 mm | 51.5 mm | P-0242-2-40 | 10 g | | | | | | | | | | | |

| MAGIC JET | | | | | Order No. |
|---|---|----------------|------------|-----------|-----------|
|  | Magic jet body series N-1005-XX | | | | |
| | material: brass nickel-plated | | | | |
| | drill Ø: 24 mm | | | | |
| | key: N-0145 | | | | |
| | wall thickness | overall length | jet insert | weight | |
| 2 - 6 mm | 41 mm | P-0242-2-30 | 46 g | N-1005-41 | |
| 6 - 11 mm | 45 mm | P-0242-2-34 | 57 g | N-1005-45 | |
| 10 - 17 mm | 51 mm | P-0242-2-40 | 73 g | N-1005-51 | |
| inclusive: o-ring (10,78 x 2,62 mm) | | | | | |
| suitable for: magic jet: P-0024, P-0024-2, P-0026-3, P-0027-08 | | | | | |
|  | Magic jet 0024-2 | | | | P-0024-2 |
| | material: plastic | | | | |
| | adhesive socket Ø : 20 mm water 20 mm air | | | | |
| | weight: 51 g | | | | |
| | Optimal for magic jets for using in the floor area of the tub. optionally available: flat packing P-0024-D or o-ring P-0006-1 | | | | |
|  | Magic jet 0024 | | | | P-0024 |
| | material: plastic | | | | |
| | adhesive socket Ø : 20 mm water 10 mm air | | | | |
| | weight: 40 g | | | | |
| | for individual use with Koller fittings Optimal for magic jets for using in the floor area of the tub. optionally available: flat packing P-0024-D or o-ring P-0006-1 | | | | |
|  | Magic jet with cartridge 0027-08 | | | | P-0027-08 |
| | material: plastic | | | | |
| | adhesive socket Ø : 20 mm water cartridge Ø: 8 mm air | | | | |
| | weight: 23 g | | | | |
| | for individual use with Koller fittings optionally available: flat packing P-0024-D or o-ring P-0006-1 | | | | |
|  | Magic jet with cartridge 0026-3 | | | | P-0026-3 |
| | material: plastic | | | | |
| | cartridge Ø: 10 mm water 10 mm air | | | | |
| | weight: 22 g | | | | |
| | optionally available: flat packing P-0024-D or o-ring P-0006-1 | | | | |

| MAGIC JET | Order No. |
|---|-----------|
|  <p>Flat packing 0024-D for micro and magic jet</p> <p>outside Ø: 45 mm thickness: 3.5 mm weight: 4 g</p> <p>suitable for: micro jet: series P-0006, P-0007 magic jet: P-0024, P-0024-2, P-0026-3, P-0027-08</p> | P-0024-D |
|  <p>O-ring 0006-1 for micro and magic jet</p> <p>dimension: 31 x 3,5 mm weight: 1 g</p> <p>suitable for: micro jet: series P-0006, P-0007 magic jet: P-0024, P-0024-2, P-0026-3, P-0027-08</p> | P-0006-1 |
|  <p>Spacer ring 007-R for micro and magic jet</p> <p>outside Ø: 43 mm thickness: 6 mm weight: 4 g</p> <p>suitable for: micro jet: series P-0006, P-0007 magic jet: P-0024, P-0024-2, P-0026-3, P-0027-08</p> <p>For compensation between micro or magic jet and the tub, it is also possible to use more pieces in series.</p> | P-007-R |
|  <p>Clamping part 90300-1 for fixing connection- and magic jet rear parts</p> <p>material: plastic thickness: 7 mm weight: 7 g</p> <p>suitable for: connection part 90°: P-1101 tee connection part: P-1101-2 connection part 90° with cartridge: P-200108-1, P-200110-1, P-90308-1K, P-90310-1K tee connection part with cartridge: P-200108-2, P-200110-2, P-90308-2K, P-90310-2K elbow connection part with cartridge: P-200110-5, P-90310-5K 3-fold connection part with cartridge: P-200110-3, P-90310-3K magic jet: P-0024-2, P-0024 magic jet with cartridge: P-0027-08, P-0026-3</p> | P-90300-1 |

CONTROL PANEL

13



Features - Control Panel

- In-house development department - hardware and software
- Wide choice of controls - pneumatic and electronic
- Varying software options for one type
- Quality- and functionality checked
- Various certificates (TÜV, ÖVE, etc...)
- Water level sensor for acrylic and steal baths
- Connection boxes – various options



| CONTROL PANEL | Order No. |
|--|-----------|
|   <p>Pneumatic control panel type 230-7001A 1 function: one appliance ON/OFF</p> <p>line voltage: 230V 50/60Hz nominal current: 16 A by $\cos\varphi=1$ total connected load: 3.6 kW system of protection: IP 55 weight: 234 g</p> <p>pneumatic buttons see chapter buttons no connection possibility for dry-running protection sensor</p> <p>CE</p> | 230-7001A |
|   <p>Pneumatic control panel type 230-0050A 1 function: one appliance ON/OFF</p> <p>Parallel e.g. spa light, where is no dry-running protection sensor necessary (240-5261X, 240-5261F-SXX, ...)</p> <p>line voltage: 230V 50/60Hz nominal current: 16 A by $\cos\varphi=1$ total connected load: 3.6 kW system of protection: IP 55 weight: 241 g</p> <p>pneumatic buttons see chapter buttons no connection possibility for dry-running protection sensor</p> <p>CE</p> | 230-0050A |
|   <p>Pneumatic control panel type 230-7002A 2 functions: two appliances ON/OFF</p> <p>line voltage: 230V 50/60Hz nominal current: 16 A by $\cos\varphi=1$ total connected load: 3.6 kW system of protection: IP 55 weight: 261 g</p> <p>pneumatic buttons see chapter buttons no connection possibility for dry-running protection sensor</p> <p>CE</p> | 230-7002A |
|   <p>Pneumatic control panel type 230-7003A 3 functions: three appliances ON/OFF</p> <p>line voltage: 230V 50/60Hz nominal current: 16 A by $\cos\varphi=1$ total connected load: 3.6 kW system of protection: IP 55 weight: 318 g</p> <p>pneumatic buttons see chapter buttons no connection possibility for dry-running protection sensor</p> <p>CE</p> | 230-7003A |

| CONTROL PANEL | Order No. |
|---|---|
|   | <p>Pneumatic control panel type 240-7111A</p> <p>1 function: one appliance + mini LED spa light ON/OFF One appliance and mini LED spa light are operated simultaneously.</p> <p>line voltage: 220 - 240V 50/60Hz output 1: 220-240V 50/60 Hz 12A output 2: 9V 50/60 Hz 1,5VA system of protection: IP X5 weight: 362 g</p> <p>pneumatic buttons see chapter buttons no connection possibility for dry-running protection sensor</p> <p>CE</p> |
| <p>WILL BE DISCONTINUED</p>   | <p>Pneumatic control panel type 240-7111B</p> <p>1 function: one appliance + 2 mini LED spa light ON/OFF One appliance and 2 mini LED spa lights are operated simultaneously.</p> <p>line voltage: 220 - 240V 50/60Hz output 1: 220-240V 50/60 Hz 12A output 2: 9V 50/60 Hz 3,2VA system of protection: IP X5 weight: 444 g</p> <p>pneumatic buttons see chapter buttons no connection possibility for dry-running protection sensor</p> <p>CE</p> |
|   | <p>Power supply type 240-7114A for mini RGB LED spa light</p> <p>function: supply for 1 mini RGB LED spa light</p> <p>connection possibility for button "light" (without LED), in combination with one mini RGB LED spa light with stop function: 012-5162A-S03, 012-5162A-S04</p> <p>line voltage: 220 - 240V 50/60Hz output 1: 9V 50/60 Hz 1,5VA system of protection: IP X5 weight: 300 g</p> <p>no connection possibility for dry-running protection sensor</p> <p>CE</p> |
|   | <p>Power supply type 240-7114B for mini RGB LED spa light</p> <p>function: supply for 2 mini RGB LED spa lights</p> <p>connection possibility for button "light" (without LED), in combination with mini RGB LED spa lights with stop function: 012-5162A-S03, 012-5162A-S04</p> <p>line voltage: 220 - 240V 50/60Hz output 1: 9V 50/60 Hz 3,2VA system of protection: IP X5 weight: 390 g</p> <p>no connection possibility for dry-running protection sensor</p> <p>CE</p> |

| CONTROL PANEL | Order No. |
|--|---|
| <div> </div> <div> </div> <div> Electronic control panel type 230-8091A-SXX </div> <div> 1 function: type see table </div> <div> connection possibility for: dry-running protection sensor push button with or without LED </div> <div> line voltage: 230V 50Hz nominal current: 16 A by $\cos\varphi=1$ total connected load: 3.6 kW system of protection: IP 55 weight: 364 g </div> <div> </div> | 230-8091A-SXX |
| | |
| filling | Automatic filling through a button or a slot-machine. Fill up through a button. Filling time limit 10/20 minutes. |
| height control | minimum- /maximum height control recovery time: 30/60 minutes |
| signal converter | push button signal / push button signal inverted release sensor / release sensor inverted |
| zone roller | 1-push-operation: one short push of the button changes the sequence or stops the program. A long push of the button puts the program into reference position. |
| rewash | Function is activated, if water was in the bath tub. Starts about 10 minutes after the tub is empty. Alternatively it is possible to start / stop this function at empty tub with a button. duration of the rewash: 2 minutes |
| dry out | Starts automatically, if water was in the bath tub. The dry out starts about 20 minutes after the tub is empty. Alternatively it is possible to start / stop this function with a button. duration of the dry out: 3 minutes |
| side LED | The edge lighting of the push button is switched on with sufficient water level (height of the dry-running protection sensor) and switched off when falling below the water level. |
| evacuation | evacuation valve: After emptying the tub the drain of the remaining water opens automatically. |
| OFF-Timer | The running time limiter is activated, when the status indicator reads „Pool ready“ and the control panel registers the first pressing of the button. All whirlpool functions may be used as much, as you desire during the operating period. Upon reaching the running time limit, appliances switch off automatically. Should all functions be switched off during this time, the running time limiter will also reset automatically. The appliances may be immediately switched on after the automatic stop. |



variant of software 230-8091A-SXX

| variant of software | pump or blower | | | filling | height control | | signal converter | zone electronic control panel | rewash | dry out | side LED | evacuation | OFF-timer | | |
|---------------------|-----------------------------|--------|--------------------------|-------------------------------------|---------------------------|-------------------------|-----------------------------------|-------------------------------|--|---|---------------------|------------------|------------|---------------------------------------|----------------------------|
| | ◊ interval ^{1) 2)} | ON/OFF | status-LED ³⁾ | ◊ button or automatic ¹⁾ | ◊ min./max. ¹⁾ | ◊ 30s/60s ¹⁾ | ◊ 2 inputs/1 output ¹⁾ | zone roller | ◊ automatic/alt. button ^{1) 4)} | ◊ automatic/alt. button ^{1) 4) 5)} | connection possible | evacuation valve | 20 minutes | ◊ 10 minutes/20 minutes ¹⁾ | ◊ 2h30min/5h ¹⁾ |
| S01 | • | • | • | | | | | | | • | | | • | | |
| S02 | | | | • | | | | | | | | | | • | |
| S03 | | | | | • | • | | | | | | | | | • |
| S04 | | | | | | | • | | | | | | | | |
| S05 | • | • | • | | | | | | | • | | | | | |
| S06 | | | | | | | | | • | | | | | | |
| S07 | • | • | | | | | | | | | | | • | | |
| S08 | | | | | | | | • | | | | | • | | |
| S09 | | | | | | | | | | | | • | | | |
| S10 | • | | | | | | | | | | • | | • | | |

¹⁾ ◊ It is possible to select this function through the basic adjustments.

²⁾ interval: ON/OFF

³⁾ status LED: The status of the tub is indicated through the status LED.

⁴⁾ Alt. button: Alternatively it is possible to switch on / switch off the function rewash or dry out with an additional button.

⁵⁾ Only allowed with a blower.

CONTROL PANEL
Order No.

230-8014C-SXX


Electronic control panel type 230-8014C-SXX

with speed regulation

 1 function:
type see table

 connection possibility for:
dry-running protection sensor
push button with or without LED

 line voltage: 230V 50Hz
 nominal current: 6 A by $\cos\varphi=1$
 total connected load: 1.3 kW
 system of protection: IP 55
 weight: 681 g

variant of software 230-8014C-SXX

| variant of software | blower | | | pump | | | dry out | Off-timer |
|---------------------|--------|-------|------------------------------|--------|-------|------------------------------|-------------------------------|------------|
| | ON/OFF | + / - | Δ variation ^{1) 2)} | ON/OFF | + / - | Δ variation ^{1) 2)} | Δ automatic/OFF ¹⁾ | 20 minutes |
| S02 | • | • | • | | | | • | • |
| S09 | | | | • | • | • | | • |
| S19 | • | • | • | | | | • | |
| S20 | | | | • | • | • | | |

¹⁾ Δ It is possible to select this function through the basic adjustments.

²⁾ variation: up- and down swelling

dry out

 Starts automatically, if water was in the bath tub. The dry out starts about 20 minutes after the tub is empty.
 duration of the dry out: 3 minutes

OFF-Timer

The running time limiter is activated, when the status indicator reads „Pool ready“ and the control panel registers the first pressing of the button. All whirlpool functions may be used as much, as you desire during the operating period. Upon reaching the running time limit, appliances switch off automatically. Should all functions be switched off during this time, the running time limiter will also reset automatically. The appliances may be immediately switched on after the automatic stop.


 Main Catalogue system components for whirlpool tubs
 Technical specifications and printing errors are subject to change
 without prior notification. EN2122 © Copyright reserved.

CONTROL PANEL
Order No.

230-8022E-SXX

Electronic control panel type 230-8022E-SXX

1 function and motorized valve
type see table

connection possibility for:
dry-running protection sensor
push button with or without LED
output for motorized valve

line voltage: 230V 50Hz
nominal current: 8 A by $\cos\varphi=1$
total connected load: 1.8 kW
system of protection: IP X5
weight: 470 g

variant of software 230-8022E-SXX

| variant of software | pump | | zone electronic control panel | OFF-timer |
|---------------------|--------|------------------------|-------------------------------|------------------------|
| | ON/OFF | Interval ¹⁾ | status-LED ³⁾ | motorized valve 12V DC |
| S21 | • | • | • | • |

¹⁾ It is possible to select this function through the basic adjustments.

²⁾ interval: ON/OFF

³⁾ status LED: The status of the tub is indicated through the status LED.

**motorized valve
12V DC**

drive unit for motorized valve
The zone valve works in combination with the pump!
required push button 3257H

OFF-Timer

The running time limiter is activated, when the status indicator reads „Pool ready“ and the control panel registers the first pressing of the button. All whirlpool functions may be used as much, as you desire during the operating period. Upon reaching the running time limit, appliances switch off automatically. Should all functions be switched off during this time, the running time limiter will also reset automatically. The appliances may be immediately switched on after the automatic stop.

| CONTROL PANEL | Order No. |
|--|--|
| <div> </div> <p>Bluetooth sound system 240-8171A-S03</p> <p>Two structure-borne sound speakers turn the entire tub into a hi-fi system.</p> <p> line voltage: 220 - 240V 50/60Hz stereo speakers: 2 x 6 W system of protection: IP X5 weight: 1.5 kg </p> <p>Functional description:</p> <p>Mobile appliances such as mobile phone, MP3 player, note book etc. are connected via Bluetooth.</p> <p>The tub speakers transmit the music stored in the appliance.</p> <p>The volume level is controlled by a push button or a remote control</p> | <p>240-8171A-S03</p> |

| CONTROL PANEL | Order No. |
|---|---|
| <div> </div> <div> </div> <p>Electronic control panel type 230-8022A-SXX</p> <p>2 functions: type see table</p> <p>connection possibility for: dry-running protection sensor push button with or without LED</p> <p>line voltage: 230V 50Hz nominal current: 16 A by $\cos\varphi=1$ total connected load: 3.6 kW system of protection: IP 55 weight: 386 g</p> <div> </div> | 230-8022A-SXX |
| heating | Switches on automatically when the jet pump is running. |
| temperature controller | Only when connected to electronic temperature indicator with adjustable function 012 3321C. Master: The heater switches on when the temperature falls below the set temperature. If the pump has not yet been activated, it will switch on. Slave: The heater only switches on when the temperature falls below the set temperature and when the pump is already operating. |
| zone roller | 1-push-operation: one short push of the button changes the sequence or stops the program. A long push of the button puts the program into reference position. |
| disinfection | Starts through the button disinfection and works then automatically. The bath tub is disinfected after about 35 minutes. |
| fill water chlorination | While filling the tub an automatic chlorination of the fill water takes place. |
| rewash | Function is activated, if water was in the bath tub. Starts about 10 minutes after the tub is empty. Alternatively it is possible to start / stop this function at empty tub with a button. duration of the rewash: 2 minutes |
| dry out | Starts automatically, if water was in the bath tub. The dry out starts about 20 minutes after the tub is empty. Alternatively it is possible to start / stop this function with a button. duration of the dry out: 3 minutes |
| OFF-Timer | The running time limiter is activated, when the status indicator reads „Pool ready“ and the control panel registers the first pressing of the button. All whirlpool functions may be used as much, as you desire during the operating period. Upon reaching the running time limit, appliances switch off automatically. Should all functions be switched off during this time, the running time limiter will also reset automatically. The appliances may be immediately switched on after the automatic stop. |

variant of software 230-8022A-SXX

| variant of software | blower | | | pump | | | spa light | | heating | | zone electronic control panel | disinfection | | | rewash | dry out | | | OFF-timer |
|---------------------|--------|-----------------------------|--------------------------|--------|-----------------------------|--------------------------|-----------|-----------------------------|---------------------|---------------------|-------------------------------|------------------------------|------------------------------|---------------------------------------|--|--|-------------------------------|------------|-----------|
| | ON/OFF | ∅ interval ^{1) 2)} | status-LED ³⁾ | ON/OFF | ∅ interval ^{1) 2)} | status-LED ³⁾ | ON/OFF | ∅ interval ^{1) 2)} | connection possible | temp.control device | zone roller | ∅ 6011A volume ¹⁾ | ∅ 6071A volume ¹⁾ | fill water chlorination ⁴⁾ | ∅ automatic/alt. button ^{1) 5)} | ∅ automatic/alt. button ^{1) 5)} | ∅ automatic/OFF ¹⁾ | 20 minutes | |
| S05 | | | | • | • | • | | | | | | • | | | | | | • | |
| S06 | | | | • | • | • | • | • | | | | | | | | | | • | |
| S07 | • | • | | • | • | • | | | | | | | | | | • | | • | |
| S08 | | | | • | • | • | | | • | | | | | | | | | • | |
| S09 | | | | • | • | • | | | | | | | | | • | | | • | |
| S11 | | | | • | • | • | • | • | | | | | | | | | | | |
| S12 | • | • | | • | • | • | | | | | | | | | | • | | | |
| S13 | • | • | • | | | | | | | | | | • | | | | • | • | |
| S15 | | | | • | • | • | | | | Master Slave | | | | | | | | • | |
| S16 | • | • | • | • | • | | | | | | | | | | | • | | • | |
| S17 | • | • | • | | | | • | • | | | | | | | | • | | • | |
| S18 | | | | • | • | • | | | | | | • | | | | | | | |
| S19 | | | | • | • | • | | | | | • | | | | | | | • | |
| S20 | | | | • | • | • | | | | | | | | • | | | | • | |

¹⁾ ∅ It is possible to select this function through the basic adjustments.

²⁾ interval: ON/OFF

³⁾ status LED: The status of the tub is indicated through the status LED.

⁴⁾ While filling the tub an automatic chlorination of the fill water takes place.

⁵⁾ Alt. button: Alternatively it is possible to switch on / switch off the function rewash or dry out with an additional button.



| CONTROL PANEL | Order No. |
|---|---|
| <div>  </div> <div>  </div> <p>Electronic control panel type 240-9043A-SXX</p> <p>3 functions, engine valve and light therapy type see table</p> <p>connection possibility for: dry-running protection sensor push button with or without LED output for motorized valve light therapy</p> <p>line voltage: 220 - 240V 50/60Hz nominal current: 16 A by $\cos\phi=1$ total connected load: 3.6 kW system of protection: IP X5 weight: 625 g</p> <p>CE</p> | 240-9043A-SXX |
| | |
| heating | Switches on automatically when the jet pump is running. |
| motorized valve 12V DC | drive unit for motorized valve The zone valve works in combination with the pump! |
| disinfection | Starts through the button disinfection and works then automatically. The bath tub is disinfected after about 35 minutes. |
| rewash | Function is activated, if water was in the bath tub. Starts about 10 minutes after the tub is empty. Alternatively it is possible to start / stop this function at empty tub with a button. duration of the rewash: 2 minutes |
| dry out | Starts automatically, if water was in the bath tub. The dry out starts about 20 minutes after the tub is empty. Alternatively it is possible to start / stop this function with a button. duration of the dry out: 3 minutes |
| side LED | The edge lighting of the push button is switched on with sufficient water level (height of the dry-running protection sensor) and switched off when falling below the water level. |
| light therapy | It is run through a color wheel of a changing mix of RGB colors recurring. Color wheel can be stopped, individual colors can be selected. |
| OFF-Timer | The running time limiter is activated, when the status indicator reads „Pool ready“ and the control panel registers the first pressing of the button. All whirlpool functions may be used as much, as you desire during the operating period. Upon reaching the running time limit, appliances switch off automatically. Should all functions be switched off during this time, the running time limiter will also reset automatically. The appliances may be immediately switched on after the automatic stop. |

variant of software 240-9043A-SXX

| variant of software | blower | | | pump | | | spa light | heating | zone electronic control panel | disinfection | rewash | dry out | side LED | light therapy | OFF-timer | |
|---------------------|--------|---------------------------|--------------------------|--------|---------------------------|--------------------------|-----------|-------------------------|-------------------------------|------------------------------|--|---|---------------------|--|------------|-----------------------------|
| | ON/OFF | interval ^{1) 2)} | status-LED ³⁾ | ON/OFF | interval ^{1) 2)} | status-LED ³⁾ | ON/OFF | automatically with pump | motorized valve 12V DC | ◇ 6011A volume ¹⁾ | ◇ automatic/alt. button ^{1) 4)} | ◇ automatic/alt. button ^{1) 4) 5)} | connection possible | ◇ power supply 5V/10V ^{1) 6)} | 20 minutes | ◇ deactivated ¹⁾ |
| S02 | • | • | • | • | • | • | • | | • | | | • | • | 1 x 10W | • | |
| S03 | | | | • | • | • | • | • | • | | | • | • | 1 x 10W | • | • |
| S04 | • | • | • | • | • | | | | • | • | | • | • | 1 x 10W | • | |
| S05 | • | • | • | • | • | | | | | | • | • | • | 1 x 10W | • | |

¹⁾ ◇ It is possible to select this function through the basic adjustments.

²⁾ interval: ON/OFF

³⁾ status LED: The status of the tub is indicated through the status LED.

⁴⁾ Alt. button: Alternatively it is possible to switch on / switch off the function rewash or dry out with an additional button.

⁵⁾ Only allowed with a blower.

⁶⁾ motorized valve and light therapy max 10W together



CONTROL PANEL
Order No.

240-9043B-SXX

Electronic control panel type 240-9043B-SXX

3 functions
type see table

connection possibility for:
dry-running protection sensor
push button with or without LED

line voltage: 220 - 240V 50/60Hz
nominal current: 16 A by $\cos\phi=1$
total connected load: 3.6 kW
system of protection: IP X5
weight: 470 g

variant of software 240-9043B-SXX

| variant of software | blower | | | pump | | | spa light | heating | disinfection | rewash | dry out | side LED | OFF-timer | |
|---------------------|--------|---------------------------|--------------------------|--------|---------------------------|--------------------------|-----------|-------------------------|----------------------------|--|---|---------------------|------------|---------------------------|
| | ON/OFF | Interval ^{1) 2)} | status-LED ³⁾ | ON/OFF | Interval ^{1) 2)} | status-LED ³⁾ | ON/OFF | automatically with pump | 6011A volume ¹⁾ | automatic/alt. button ^{1) 4)} | automatic/alt. button ^{1) 4) 5)} | connection possible | 20 minutes | deactivated ¹⁾ |
| S02 | • | • | • | • | • | • | • | | | | • | • | • | |
| S03 | | | | • | • | • | • | • | | | • | • | • | • |
| S04 | • | • | • | • | • | • | | | • | | • | • | • | |
| S05 | • | • | • | • | • | • | | | | • | • | • | • | |

¹⁾ It is possible to select this function through the basic adjustments.

²⁾ interval: ON/OFF

³⁾ status LED: The status of the tub is indicated through the status LED.

⁴⁾ Alt. button: Alternatively it is possible to switch on / switch off the function rewash or dry out with an additional button.

⁵⁾ Only allowed with a blower.

heating

Switches on automatically when the jet pump is running.

disinfection

Starts through the button disinfection and works then automatically. The bath tub is disinfected after about 35 minutes.

rewash

Function is activated, if water was in the bath tub. Starts about 10 minutes after the tub is empty. Alternatively it is possible to start / stop this function at empty tub with a button. duration of the rewash: 2 minutes

dry out

Starts automatically, if water was in the bath tub. The dry out starts about 20 minutes after the tub is empty. Alternatively it is possible to start / stop this function with a button. duration of the dry out: 3 minutes

side LED

The edge lighting of the push button is switched on with sufficient water level (height of the dry-running protection sensor) and switched off when falling below the water level.

OFF-Timer

The running time limiter is activated, when the status indicator reads „Pool ready“ and the control panel registers the first pressing of the button. All whirlpool functions may be used as much, as you desire during the operating period. Upon reaching the running time limit, appliances switch off automatically. Should all functions be switched off during this time, the running time limiter will also reset automatically. The appliances may be immediately switched on after the automatic stop.

CONTROL PANEL

Order No.

240-9043C-SXX

Electronic control panel type 240-9043C-SXX

1 function and light therapy
type see table

connection possibility for:
dry-running protection sensor
push button with or without LED
light therapy

line voltage: 220 - 240V 50/60Hz
nominal current: 6 A by $\cos\varphi=1$
total connected load: 1.5 kW
system of protection: IP X5
weight: 570 g



variant of software 240-9043C-SXX

| variant of software | pump or blower | | dry out | side LED | light therapy | OFF-timer |
|---------------------|-----------------------------|--------|--------------------------|---------------------|--|------------|
| | ∅ interval ^{1) 2)} | ON/OFF | status-LED ³⁾ | connection possible | ∅ power supply 5V/10V ^{4) 6)} | 20 minutes |
| S06 | • | • | • | • | 1 x 10W | • |

¹⁾ ∅ It is possible to select this function through the basic adjustments.

²⁾ interval: ON/OFF

³⁾ status LED: The status of the tub is indicated through the status LED.

⁴⁾ Alt. button: Alternatively it is possible to switch on / switch off the function rewash or dry out with an additional button.

⁵⁾ Only allowed with a blower.

⁶⁾ light therapy max 10W

dry out

Starts automatically, if water was in the bath tub. The dry out starts about 20 minutes after the tub is empty. Alternatively it is possible to start / stop this function with a button. duration of the dry out: 3 minutes

side LED

The edge lighting of the push button is switched on with sufficient water level (height of the dry-running protection sensor) and switched off when falling below the water level.

light therapy

It is run through a color wheel of a changing mix of RGB colors recurring. Color wheel can be stopped, individual colors can be selected.

OFF-Timer

The running time limiter is activated, when the status indicator reads „Pool ready“ and the control panel registers the first pressing of the button. All whirlpool functions may be used as much, as you desire during the operating period. Upon reaching the running time limit, appliances switch off automatically. Should all functions be switched off during this time, the running time limiter will also reset automatically. The appliances may be immediately switched on after the automatic stop.



Main Catalogue system components for whirlpool tubs
Technical specifications and printing errors are subject to change
without prior notification. EN2122 © Copyright reserved.

CONTROL PANEL
Order No.

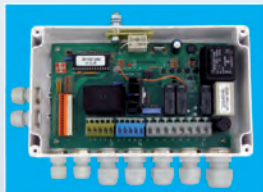
230-8014E-SXX

Electronic control panel type 230-8014E-SXX

with speed regulation

3 functions and motorized valve
type see table

connection possibility for:
dry-running protection sensor
push button with or without LED
output for motorized valve

line voltage: 230V 50Hz
nominal current: 16 A by $\cos\phi=1$
total connected load: 3.6 kW
system of protection: IP X5
weight: 804 g

variant of software 230-8014E-SXX

| variant of software | blower | | | pump | spa light | zone electronic control panel | dry out | OFF-timer |
|---------------------|--------|-------|------------------------------|--------|-----------|-------------------------------|---------------------------------------|------------|
| | ON/OFF | + / - | Δ variation ^{1) 2)} | ON/OFF | ON/OFF | motorized valve 12V DC | Δ automatic/alt. button ³⁾ | 20 minutes |
| S39 | • | • | • | • | • | • | • | • |

¹⁾ Δ It is possible to select this function through the basic adjustments.

²⁾ variation: up- and down swelling

³⁾ Alt. button: Alternatively it is possible to switch on / switch off the function rewash or dry out with an additional button.

**motorized valve
12V DC**

drive unit for motorized valve
The zone valve works in combination with the pump!

dry out

Starts automatically, if water was in the bath tub. The dry out starts about 20 minutes after the tub is empty. Alternatively it is possible to start / stop this function with a button. duration of the dry out: 3 minutes

OFF-Timer

The running time limiter is activated, when the status indicator reads „Pool ready“ and the control panel registers the first pressing of the button. All whirlpool functions may be used as much, as you desire during the operating period. Upon reaching the running time limit, appliances switch off automatically. Should all functions be switched off during this time, the running time limiter will also reset automatically. The appliances may be immediately switched on after the automatic stop.

| CONTROL PANEL | Order No. |
|---|---|
| <div> </div> <div> </div> <p>Electronic control panel type 230-8014A-SXX with speed regulation</p> <p>4 functions: type see table</p> <p>connection possibility for: dry-running protection sensor push button with or without LED</p> <p>line voltage: 230V 50Hz nominal current: 16 A by $\cos\varphi=1$ total connected load: 3.6 kW system of protection: IP 55 weight: 745 g</p> <p>CE </p> <ul style="list-style-type: none"> It is possible to connect an equipotential bonding (resistance to jamming, EMC insensitive). The basic adjustments are practicable with a DIP-switch (minimal speed, interval,...). | 230-8014A-SXX |
| | |
| combi-jet | This program combines the air and water system for the operation of the magic jet. |
| heating | Switches on automatically when the jet pump is running. |
| temperature controller | <p>Only when connected to electronic temperature indicator with adjustable function 012 3321C.</p> <p>Master: The heater switches on when the temperature falls below the set temperature. If the pump has not yet been activated, it will switch on.</p> <p>Slave: The heater only switches on when the temperature falls below the set temperature and when the pump is already operating.</p> |
| filling | Automatic filling through a button. Refill about a button. |
| zone roller | 1-push-operation: one short push of the button changes the sequence or stops the program. A long push of the button puts the program into reference position. |
| disinfection | Starts through the button disinfection and works then automatically. The bath tub is disinfected after about 35 minutes. |
| rewash | Function is activated, if water was in the bath tub. Starts about 10 minutes after the tub is empty. Alternatively it is possible to start / stop this function at empty tub with a button. duration of the rewash: 2 minutes |
| disinfection and clear flushing | <p>Function will be activated if water has been in tub. Disinfection starts about 8 minutes after emptying of the tub.</p> <p>Disinfection time: 20 seconds.</p> <p>Rewashing starts about 11 minutes after emptying of the tub. Rewashing time: 1 minute</p> |
| dry out | Starts automatically, if water was in the bath tub. The dry out starts about 20 minutes after the tub is empty. Alternatively it is possible to start / stop this function with a button. duration of the dry out: 3 minutes |
| OFF-Timer | The running time limiter is activated, when the status indicator reads „Pool ready“ and the control panel registers the first pressing of the button. All whirlpool functions may be used as much, as you desire during the operating period. Upon reaching the running time limit, appliances switch off automatically. Should all functions be switched off during this time, the running time limiter will also reset automatically. The appliances may be immediately switched on after the automatic stop. |

variant of software 230-8014A-SXX

| variant of software | blower | | | pump | | | | spa light | | pump 2 | | combi-jet | | heating | | filling | zone electronic control panel | disinfection | | rewash | dry out | | OFF-timer | |
|---------------------|--------|-------|------------------------------|--------|-------|-----------------------------|------------------------------|-----------|-----------------------------|--------|-----------------------------|-----------|-----------------------------|---------------------|----------------------|---------|-------------------------------|--------------|-------------|--------|------------------------------|------------------------------|-----------|--|
| | ON/OFF | + / - | Δ variation ^(1,2) | ON/OFF | + / - | Δ interval ^(1,3) | Δ variation ^(1,2) | ON/OFF | Δ interval ^(1,3) | ON/OFF | Δ interval ^(1,3) | ON/OFF | Δ interval ^(1,3) | connection possible | temp. control device | | | ON/OFF | zone roller | | Δ 6011A volume ¹⁾ | Δ 6071A volume ¹⁾ | | Δ automatic/alt. button ^(1,4) |
| S01 | • | • | • | • | | • | | • | • | | | | | | | | | • | | | | | | • |
| S02 | • | • | • | • | | • | | • | • | | | | | | | | | | | • | | | • | • |
| S03 | • | • | • | • | | • | | • | • | | | | | • | | | | | | | | | • | • |
| S04 | • | • | • | • | | • | | | | | | | | • | | | | • | | | | | | • |
| S05 | • | • | • | • | | • | | | | | | | | • | | | | | | • | | | • | • |
| S06 | • | • | • | • | | • | | • | • | | • | • | | | | | | | | | | | • | • |
| S07 | • | • | • | • | | • | | • | • | • | • | | | | | | | | | | | | • | • |
| S08 | | | | • | • | | • | • | • | | | | | • | | | | • | | | | | | • |
| S09 | | | | • | • | | • | • | • | | | | | • | | | | | | • | | | | • |
| S10 | • | • | • | | | • | | • | • | | | | | | | | | • | | | | • | | • |
| S11 | • | • | • | • | | • | | • | • | | | | | • | | | | • | | | | • | | • |
| S12 | • | • | • | • | | • | | • | • | | | | | | | • | | | | | | | • | • |
| S13 | • | • | • | • | | • | | | | | | | | | | | • | | | • | | | • | • |
| S14 | | | | • | • | | • | • | • | | | | | | | | • | | | | | | | • |
| S15 | | | | • | • | | • | • | • | | | | | | | | • | | | • | | | | • |
| S16 | • | • | • | • | | • | | | | | | | | • | | • | | | | | | | • | • |
| S17 | | | | • | • | | • | • | • | | | | | • | | • | | | | | | | | • |
| S18 | • | • | • | • | | • | | | | • | • | | | | | | | • | | | | | | • |
| S19 | • | • | • | • | | • | | • | • | | | | | | | | | | | • | | | • | |
| S20 | | | | • | • | | • | • | • | | | | | • | | | | | | • | | | | |
| S21 | • | • | • | • | | • | | • | • | | | | | | | | | • | | | | | | |
| S23 | • | • | • | • | | • | | • | • | | | | | • | | | | | | | | | • | |
| S24 | • | • | • | • | | • | | | | | | | | • | | | | • | | | | | | |
| S25 | • | • | • | • | | • | | • | • | | | | | | | | | • | | | | • | | |
| S26 | • | • | • | • | | • | | • | • | | | | | Master | | | | | | | | | • | • |
| S27 | • | • | • | • | | • | | • | • | | | | | Slave | | | | | | | | | • | • |
| S28 | • | • | • | • | | • | | | | | | | | Master | | | | • | | | | • | | • |
| S29 | • | • | • | • | | • | | | | | | | | Slave | | | | • | | | | • | | • |
| S30 | • | • | • | • | | • | | | | | | | | | | | | | | | • | | • | • |
| S31 | • | • | • | • | | • | | • | • | | | | | | | | | • | • | | | • | | • |
| S32 | • | • | • | • | | • | | | | | | | | | | | • | • | | | | • | | • |
| S33 | | | | • | • | | • | • | • | | | | | Slave | | | | • | | | | | | • |
| S34 | • | • | • | • | | • | | | | | | | | • | | | | • | | | | • | | • |
| S35 | | | | • | • | | • | • | • | | | | | • | | | | • | | | | | | • |

¹⁾ Δ It is possible to select this function through the basic adjustments.

²⁾ variation: up- and down swelling

³⁾ interval: ON/OFF

⁴⁾ Alt. button: Alternatively it is possible to switch on / switch off the function rewash or dry out with an additional button.

| CONTROL PANEL | Order No. |
|--|---|
| <div> </div> <div> </div> <p>Electronic control panel type 230-8014B-SXX without speed regulation</p> <p>4 functions: type see table</p> <p>connection possibility for: dry-running protection sensor push button with or without LED</p> <p>line voltage: 230V 50Hz nominal current: 16 A by $\cos\varphi=1$ total connected load: 3.6 kW system of protection: IP 55 weight: 644 g</p> <div> </div> <ul style="list-style-type: none"> • It is possible to connect an equipotential bonding (resistance to jamming, EMC insensitive). • The basic adjustments are practicable with a DIP-switch (minimal speed, interval,...). • zone electronic control panel | 230-8014B-SXX |
| | |
| combi-jet | This program combines the air and water system for the operation of the magic jet. |
| heating | Switches on automatically when the jet pump is running. |
| temperature controller | <p>Only when connected to electronic temperature indicator with adjustable function 012 3321C.</p> <p>Master: The heater switches on when the temperature falls below the set temperature. If the pump has not yet been activated, it will switch on.</p> <p>Slave: The heater only switches on when the temperature falls below the set temperature and when the pump is already operating.</p> |
| filling | Automatic filling through a button. Refill about a button. |
| zone roller | 1-push-operation: one short push of the button changes the sequence or stops the program. A long push of the button puts the program into reference position. |
| disinfection | Starts through the button disinfection and works then automatically. The bath tub is disinfected after about 35 minutes. |
| rewash | Function is activated, if water was in the bath tub. Starts about 10 minutes after the tub is empty. Alternatively it is possible to start / stop this function at empty tub with a button. duration of the rewash: 2 minutes |
| disinfection and clear flushing | <p>Function will be activated if water has been in tub. Disinfection starts about 8 minutes after emptying of the tub.</p> <p>Disinfection time: 20 seconds.</p> <p>Rewashing starts about 11 minutes after emptying of the tub. Rewashing time: 1 minute</p> |
| dry out | Starts automatically, if water was in the bath tub. The dry out starts about 20 minutes after the tub is empty. Alternatively it is possible to start / stop this function with a button. duration of the dry out: 3 minutes |
| OFF-Timer | The running time limiter is activated, when the status indicator reads „Pool ready“ and the control panel registers the first pressing of the button. All whirlpool functions may be used as much, as you desire during the operating period. Upon reaching the running time limit, appliances switch off automatically. Should all functions be switched off during this time, the running time limiter will also reset automatically. The appliances may be immediately switched on after the automatic stop. |



variant of software 230-80148-SXX

| variant of software | blower | | pump | | spa light | | pump 2 | | combi-jet | | heating | | filling | zone electronic control panel | disinfection | | rewash | | dry out | | OFF-timer |
|---------------------|--------|-----------------------------|--------|-----------------------------|-----------|-----------------------------|--------|-----------------------------|-----------|-----------------------------|---------------------|---------------------|---------|-------------------------------|--------------|-------------|------------------------------|------------------------------|--|---------------------------------|-----------|
| | ON/OFF | ◊ interval ^{1) 2)} | ON/OFF | ◊ interval ^{1) 2)} | ON/OFF | ◊ interval ^{1) 2)} | ON/OFF | ◊ interval ^{1) 2)} | ON/OFF | ◊ interval ^{1) 2)} | connection possible | temp.control device | | | ON/OFF | zone roller | ◊ 6071A volume ¹⁾ | ◊ 6071A volume ¹⁾ | ◊ automatic/alt. button ^{1) 3)} | disinfection and clear flushing | |
| S01 | • | • | • | • | • | • | | | | | | | | | | • | | | | | • |
| S02 | • | • | • | • | • | • | | | | | | | | | | | | • | | • | • |
| S03 | • | • | • | • | • | • | | | | | • | | | | | | | | | • | • |
| S04 | • | • | • | • | | | | | | | • | | | | | • | | | | | • |
| S05 | • | • | • | • | | | | | | | • | | | | | | | • | | • | • |
| S06 | • | • | • | • | • | • | | | • | • | | | | | | | | | | • | • |
| S07 | • | • | • | • | • | • | • | • | | | | | | | | | | | | • | • |
| S08 | | | • | • | • | • | | | | | • | | | | | • | | | | | • |
| S09 | | | • | • | • | • | | | | | • | | | | | | | • | | | • |
| S10 | • | • | • | • | • | • | | | | | | | | | | • | | | • | | • |
| S11 | • | • | • | • | | | | | | | • | | | | | • | | | • | | • |
| S12 | • | • | • | • | • | • | | | | | | | • | | | | | | | • | • |
| S13 | • | • | • | • | | | | | | | | | • | | | | | • | | • | • |
| S14 | | | • | • | • | • | | | | | | | • | | | • | | | | | • |
| S15 | | | • | • | • | • | | | | | | | • | | | | | • | | | • |
| S16 | • | • | • | • | | | | | | | • | | • | | | | | | | • | • |
| S17 | | | • | • | • | • | | | | | • | | • | | | | | | | | • |
| S18 | • | • | • | • | | | • | • | | | | | | | | • | | | | | • |
| S19 | • | • | • | • | • | • | | | | | | | | | | | | • | | • | |
| S20 | | | • | • | • | • | | | | | • | | | | | | | • | | | |
| S21 | • | • | • | • | • | • | | | | | | | | | | • | | | | | |
| S23 | • | • | • | • | • | • | | | | | • | | | | | | | | | • | |
| S24 | • | • | • | • | | | | | | | • | | | | | • | | | | | |
| S25 | • | • | • | • | • | • | | | | | | | | | | • | | | • | | |
| S26 | • | • | • | • | • | • | | | | | | Master | | | | | | | | • | • |
| S27 | • | • | • | • | • | • | | | | | | Slave | | | | | | | | • | • |
| S28 | • | • | • | • | | | | | | | | Master | | | | • | | | | • | • |
| S29 | • | • | • | • | | | | | | | | Slave | | | | • | | | | • | • |
| S30 | • | • | • | • | | | | | | | | | | | | | | • | | • | • |
| S31 | • | • | • | • | • | • | | | | | | | | | | | • | | | • | • |
| S32 | • | • | • | • | | | | | | | | | | • | | • | | | | • | • |
| S33 | | | • | • | • | • | | | | | | Slave | | | | • | | | | | • |
| S34 | • | • | • | • | | | | | | | • | | | | | | • | | | • | • |
| S35 | | | • | • | • | • | | | | | • | | | | | • | | | | | • |

¹⁾ ◊ It is possible to select this function through the basic adjustments.

²⁾ interval: ON/OFF

³⁾ Alt. button: Alternatively it is possible to switch on / switch off the function rewash or dry out with an additional button.

| CONTROL PANEL | Order No. |
|---|----------------------|
| <div>  </div> <div> Electronic control panel type 240-9036A </div> <div> <p>The programming of the application function is made customer specific. (in cooperation with the customer)</p> </div> <div> <p>functions: 8 relay outputs (7 x 6A 1 x 16A) 1 phase control (speed regulation blower or pump) 4 DC outputs for magnetic valves 1 Power LED Spot and 2 chains of effect lights</p> </div> <div> <p>connection possibility for: 4 dry-running protection sensors 1 temperature sensor push buttons with up to 10 functions 2 bus sockets for operating devices 1 expansion board</p> </div> <div> <p>line voltage: 220 - 240V 50/60Hz total connected load: 3.6 kW system of protection: IP X5 weight: 1.9 kg</p> </div> <div> <p>price exclusive software programming</p> </div> <div>  </div> | <p>240-9036A</p> |
| <div>  </div> <div> Electronic control panel type 240-9036A-S04 </div> <div> <p>The function and connections here are shown in general and not specially associated since this control panel depends on the control unit (with four-core bus connection) used.</p> </div> <div> <p>functions: 8 relay outputs (7 x 6A 1 x 16A) 1 phase control (speed regulation blower or pump) 4 DC outputs for magnetic valves 3 RGB color light outputs (e.g. Power LED Spot, Double LED Spot, effect light chain,...)</p> </div> <div> <p>connection possibility for: 4 dry-running protection sensors 1 temperature sensor 2 bus sockets (for operating device, additional control panel) 1 expansion board</p> </div> <div> <p>line voltage: 220 - 240V 50/60Hz total connected load: 3.6 kW system of protection: IP X5 weight: 1.9 kg</p> </div> <div> <p>suitable for: operating device with bus connection: 3511A-S01, 3351A-Sxx, 3351T-Sxx</p> </div> <div> <p>price exclusive software programming</p> </div> <div>  </div> | <p>240-9036A-S04</p> |

| CONTROL PANEL | Order No. |
|---|---|
| <div> </div> <div> </div> <p>Electronic control panel type 240-9036A-SXX with speed regulation</p> <p>8 functions, motorized valve and light therapy type see table</p> <p>connection possibility for: dry-running protection sensor temperature sensor push button with or without LED output for motorized valve light therapy</p> <p>line voltage: 220 - 240V 50/60Hz nominal current: 16 A by $\cos\phi=1$ total connected load: 3.6 kW system of protection: IP X5 weight: 1.9 kg</p> <p>CE</p> | 240-9036A-SXX |
| | |
| heating | Switches on automatically when the jet pump is running. |
| temperature controller | Only when connected to electronic temperature indicator with adjustable function 012 3321C. Master: The heater switches on when the temperature falls below the set temperature. If the pump has not yet been activated, it will switch on. Slave: The heater only switches on when the temperature falls below the set temperature and when the pump is already operating. |
| filling | Automatic filling through a button. Refill about a button. |
| motorized valve 12V DC | drive unit for motorized valve The zone valve works in combination with the pump! |
| disinfection | Starts through the button disinfection and works then automatically. The bath tub is disinfected after about 35 minutes. |
| Ozonizer | Switches on automatically when the jet pump is running. |
| rewash | Function is activated if water has been in tub. It starts about 10 minutes after emptying the tub. Alternatively this function can be started/ cancelled after emptying of the tub by means of the key 'Jet'. Time: 2 minutes |
| dry out | Function is activated if water has been in tub. It starts about 20 minutes after emptying the tub. Alternatively this function can be started/ cancelled after emptying of the tub by means of the key 'Air'. Time: 3 minutes |
| light therapy | It is run through a color wheel of a changing mix of RGB colors recurring. Color wheel can be stopped, individual colors can be selected. |
| OFF-Timer | The running time limiter is activated, when the status indicator reads „Pool ready“ and the control panel registers the first pressing of the button. All whirlpool functions may be used as much, as you desire during the operating period. Upon reaching the running time limit, appliances switch off automatically. Should all functions be switched off during this time, the running time limiter will also reset automatically. The appliances may be immediately switched on after the automatic stop. |

variant of software 240-9036A-SXX

| variant of software | blower | | | | pump | | spa light | heating | | filling | zone electronic control panel | disinfection | Ozonizer | rewash | dry out | light therapy | OFF-timer |
|---------------------|--------|-------|------------------------------|--------------------------|--------|-----------------------------|------------------------------------|---------|-------------------------|---|-------------------------------|------------------------|---------------------------------------|-------------------------|--|--|-------------------------------------|
| | ON/OFF | + / - | ◊ variation ^{1) 2)} | status-LED ³⁾ | ON/OFF | ◊ interval ^{1) 4)} | status LED alternati ⁵⁾ | ON/OFF | automatically with pump | ◊ temp.control device Master/Slave ^{1) 6)} | ON/OFF | motorized valve 12V DC | ◊ 6071A or 6071A volume ¹⁾ | automatically with pump | ◊ automatic/alt. button ^{1) 7)} | ◊ automatic/alt. button ^{1) 7)} | ◊ power supply 5V/10V ¹⁾ |
| S02 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | 2 x 10W | • |

¹⁾ ◊ It is possible to select this function through the basic adjustments.

²⁾ variation: up- and down swelling

³⁾ status LED: The status of the tub is indicated through the status LED.

⁴⁾ interval: ON/OFF

⁵⁾ This state-LED can be used alternatively instead of the state-LED from the blower.

⁶⁾ Is a temperature control device used, the Master / Slave operating mode is arbitrary.

⁷⁾ Alt. button: Alternatively it is possible to switch on / switch off the function rewash or dry out with an additional button.



| CONTROL PANEL | Order No. |
|---|---|
| <div> </div> <div> </div> <p>Electronic control panel type 240-9036B-SXX with speed regulation</p> <p>8 functions, motorized valve and light therapy type see table</p> <p>connection possibility for: dry-running protection sensor temperature sensor push button with or without LED output for motorized valve light therapy</p> <p>line voltage: 220 - 240V 50/60Hz nominal current: 16 A by $\cos\phi=1$ total connected load: 3.6 kW system of protection: IP X5 weight: 1.9 kg</p> <p>CE</p> | 240-9036B-SXX |
| heating | Switches on automatically when the jet pump is running. |
| temperature controller | Only when connected to electronic temperature indicator with adjustable function 012 3321C. Master: The heater switches on when the temperature falls below the set temperature. If the pump has not yet been activated, it will switch on. Slave: The heater only switches on when the temperature falls below the set temperature and when the pump is already operating. |
| filling | Automatic filling through a button. Refill about a button. |
| motorized valve 12V DC | drive unit for motorized valve The zone valve works in combination with the pump! |
| disinfection | Starts through the button disinfection and works then automatically. The bath tub is disinfected after about 35 minutes. |
| Ozonizer | Switches on automatically when the jet pump is running. |
| rewash | Function is activated if water has been in tub. It starts about 10 minutes after emptying the tub. Alternatively this function can be started/ cancelled after emptying of the tub by means of the key 'Jet'. Time: 2 minutes |
| dry out | Function is activated if water has been in tub. It starts about 20 minutes after emptying the tub. Alternatively this function can be started/ cancelled after emptying of the tub by means of the key 'Air'. Time: 3 minutes |
| light therapy | It is run through a color wheel of a changing mix of RGB colors recurring. Color wheel can be stopped, individual colors can be selected. |
| OFF-Timer | The running time limiter is activated, when the status indicator reads „Pool ready“ and the control panel registers the first pressing of the button. All whirlpool functions may be used as much, as you desire during the operating period. Upon reaching the running time limit, appliances switch off automatically. Should all functions be switched off during this time, the running time limiter will also reset automatically. The appliances may be immediately switched on after the automatic stop. |

variant of software 240-9036B-SXX

| variant of software | blower | | | | pump | | spa light | heating | | filling | zone electronic control panel | disinfection | Ozonizer | rewash | dry out | light therapy | Off-timer |
|---------------------|--------|-------|------------------------------|--------------------------|--------|-----------------------------|------------------------------------|---------|-------------------------|---|-------------------------------|------------------------|---------------------------------------|-------------------------|--|--|-------------------------------------|
| | ON/OFF | + / - | ◊ variation ^{1) 2)} | status-LED ³⁾ | ON/OFF | ◊ interval ^{1) 4)} | status LED alternati ⁵⁾ | ON/OFF | automatically with pump | ◊ temp.control device Master/Slave ^{1) 6)} | ON/OFF | motorized valve 12V DC | ◊ 6071A or 6071A volume ¹⁾ | automatically with pump | ◊ automatic/alt. button ^{1) 7)} | ◊ automatic/alt. button ^{1) 7)} | ◊ power supply 5V/10V ¹⁾ |
| S02 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | 1 x 10W | • |

¹⁾ ◊ It is possible to select this function through the basic adjustments.

²⁾ variation: up- and down swelling

³⁾ status LED: The status of the tub is indicated through the status LED.

⁴⁾ interval: ON/OFF

⁵⁾ This state-LED can be used alternatively instead of the state-LED from the blower.

⁶⁾ Is a temperature control device used, the Master / Slave operating mode is arbitrary.

⁷⁾ Alt. button: Alternatively it is possible to switch on / switch off the function rewash or dry out with an additional button.



CONTROL PANEL

Order No.

Electronic control panel type 240-9036C-SXX

with speed regulation

8 functions
type see table

connection possibility for:
dry-running protection sensor
temperature sensor
push button with or without LED

line voltage: 220 - 240V 50/60Hz
nominal current: 16 A by $\cos\phi=1$
total connected load: 3.6 kW
system of protection: IP X5
weight: 1.9 kg



240-9036C-SXX



variant of software 240-9036C-SXX

| variant of software | blower | | | | pump | | spa light | heating | | filling | disinfection | Ozonizer | rewash | dry out | Off-time |
|---------------------|--------|-----|------------------------------|--------------------------|--------|--|-----------|-------------------------|--|---------|---------------------------------------|-------------------------|-----------|--|------------|
| | ON/OFF | +/- | Δ variation ^{1) 2)} | status-LED ³⁾ | ON/OFF | Δ interval ^{1) 4)} status LED alternativ ⁵⁾ | ON/OFF | automatically with pump | Δ temp. control device Master/Slave ^{1) 6)} | ON/OFF | Δ 6011A or 6071A volume ¹⁾ | automatically with pump | automatic | Δ automatic/alt. button ^{1) 7)} | 20 minutes |
| S03 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |

¹⁾ Δ It is possible to select this function through the basic adjustments.

²⁾ variation: up- and down swelling

³⁾ status LED: The status of the tub is indicated through the status LED.

⁴⁾ interval: ON/OFF

⁵⁾ This state-LED can be used alternatively instead of the state-LED from the blower.

⁶⁾ Is a temperature control device used, the Master / Slave operating mode is arbitrary.

⁷⁾ Alt. button: Alternatively it is possible to switch on / switch off the function rewash or dry out with an additional button.

heating

Switches on automatically when the jet pump is running.

temperature controller

Only when connected to electronic temperature indicator with adjustable function 012 3321C.

Master: The heater switches on when the temperature falls below the set temperature. If the pump has not yet been activated, it will switch on.

Slave: The heater only switches on when the temperature falls below the set temperature and when the pump is already operating.

filling

Automatic filling through a button.
Refill about a button.

disinfection

Starts through the button disinfection and works then automatically. The bath tub is disinfected after about 35 minutes.

Ozonizer

Switches on automatically when the jet pump is running.

rewash

Function is activated if water has been in tub. It starts about 10 minutes after emptying the tub.

Alternatively this function can be started/ cancelled after emptying of the tub by means of the key 'Jet'. Time: 2 minutes

dry out

Function is activated if water has been in tub. It starts about 20 minutes after emptying the tub. Alternatively this function can be started/ cancelled after emptying of the tub by means of the key 'Air'. Time: 3 minutes

OFF-Timer

The running time limiter is activated, when the status indicator reads „Pool ready“ and the control panel registers the first pressing of the button. All whirlpool functions may be used as much, as you desire during the operating period. Upon reaching the running time limit, appliances switch off automatically. Should all functions be switched off during this time, the running time limiter will also reset automatically. The appliances may be immediately switched on after the automatic stop.

| CONTROL PANEL | Order No. |
|---|---------------|
| <div> </div> <div> </div> <p>Electronic control panel type 400-9028A</p> <p>The programming of the application function is made customer specific (in cooperation with the customer).</p> <p>functions:</p> <ul style="list-style-type: none"> 12 relay outputs (11 x 8A 1 x 16A) 2 phase control (speed regulation blower and pump) 1 dimmer for halogen light 4 DC outputs for magnetic valves servos 1 Power LED Spot or 2 chains of effect lights <p>additional function:</p> <ul style="list-style-type: none"> real time clock with buffer <p>connection possibility for:</p> <ul style="list-style-type: none"> 4 dry-running protection sensors 2 temperature sensors 2 push buttons with 7 functions each 2 bus sockets (for operating device, additional control panel) 1 expansion board <p>line voltage: 3N~400/230V 50/60Hz</p> <p>total connected load: 10 kW</p> <p>system of protection: IP X5</p> <p>weight: 2.8 kg</p> <p>price exclusive software programming</p> <p>CE </p> | 400-9028A |
| <div> </div> <div> </div> <p>Electronic control panel type 240-9028A-S01</p> <p>The function and connections here are shown in general and not specially associated since this control panel depends on the control unit (with four-core bus connection) used.</p> <p>functions:</p> <ul style="list-style-type: none"> 12 relay outputs (11 x 8A 1 x 16A) 2 phase control (speed regulation blower and pump) 1 dimmer for halogen light 4 DC outputs for magnetic valves 2 RGB color light output (e.g. Power LED Spot, Double LED Spot, effect light chain,...) <p>connection possibility for:</p> <ul style="list-style-type: none"> 4 dry-running protection sensors 2 temperature sensors 2 bus sockets (for operating device, additional control panel) 1 expansion board <p>line voltage: 220 - 240V 50/60Hz</p> <p>total connected load: 5.5 kW</p> <p>system of protection: IP X5</p> <p>weight: 2.8 kg</p> <p>suitable for:</p> <p>operating device with bus connection: 3511A-S01, 3351A-Sxx, 3351T-Sxx</p> <p>price exclusive software programming</p> <p>CE </p> | 240-9028A-S01 |

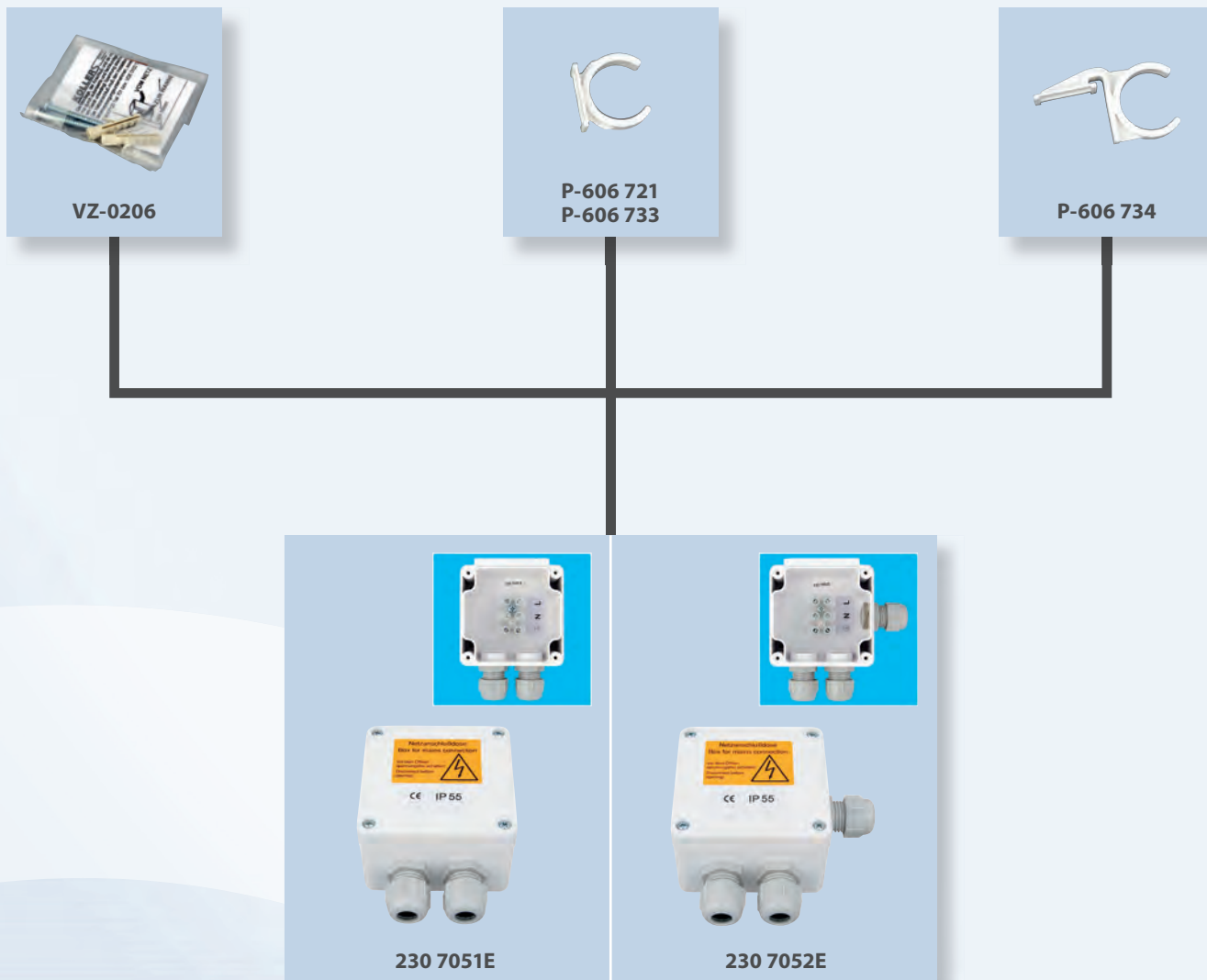
| CONTROL PANEL | Order No. |
|---|-----------|
| <div>WILL BE DISCONTINUED</div> <div>Electronic control panel type 230-9015B-S01</div> <div>4 functions:</div> <div> <p>blower +/-, interval pump +/-, interval spa light, interval heating</p> </div> <div> <p>connection possibility for:</p> </div> <div> <p>comfort button series A,B with temperature indicator (adjustment only possible in connection with a heating and a comfort button with symbol heating), dry-running protection sensor, temperature sensor</p> </div> <div> <p>line voltage: 230V 50Hz nominal current: 16 A by $\cos\phi=1$ total connected load: 3.6 kW system of protection: IP 55 weight: 1.7 kg</p> </div> <div>consists of:</div> <div> <ul style="list-style-type: none"> 1 piece control panel 230-9015B-S01 1 piece connecting box 230-7051E 1 piece clip bracket P-606733 1 piece dry-running protection sensor 010133A 1 meter connection cable K-315 1 piece temperature sensor 012-1021B 1 piece dip socket long N-1021-11 </div> <div> </div> <div>230-9015B-1</div> | |
| <div>WILL BE DISCONTINUED</div> <div>Electronic control panel type 230-9015B-S01 with disinfection tank unit 230-6011A</div> <div>5 functions:</div> <div> <p>blower +/-, interval pump +/-, interval spa light, interval disinfection heating</p> </div> <div> <p>connection possibility for:</p> </div> <div> <p>comfort button series A,B with temperature indicator (adjustment only possible in connection with a heating and a comfort button with symbol heating), dry-running protection sensor, temperature sensor</p> </div> <div> <p>line voltage: 230V 50Hz nominal current: 16 A by $\cos\phi=1$ total connected load: 3.6 kW system of protection: IP 55 weight: 3 kg</p> </div> <div>consists of:</div> <div> <ul style="list-style-type: none"> 1 piece control panel 230-9015B-S01 1 piece connecting box 230-7051E 1 piece clip bracket P-606733 1 piece dry-running protection sensor 010133A 1 meter connection cable K-315 1 piece temperature sensor 012-1021B 1 piece dip socket long N-1021-11 1 piece tank unit X-230 6011A </div> <div> </div> <div> <p>C-230-9015B B-230-9015B GP-230-9015B W-230-9015B</p> </div> | |








| CONTROL PANEL | | Order No. | | | | | | | | | | |
|--|---|------------------|--------|---------------|-------|---------------|-------|---------------|-------|---------------|-------|--|
| <div> </div> | <p>Electronic control panel with remote control type RK001</p> <p>connection possibility for: dry-running protection sensor, push button with or without LED, if you want to use a disinfection unit, an additional push button is necessary - control functions</p> <p>line voltage: 230V 50Hz nominal current: 16 A by cosφ=1 total connected load: 3.6 kW system of protection: IP 55</p> <table><thead><tr><th>variant</th><th>weight</th></tr></thead><tbody><tr><td>230-8014A-R01</td><td>900 g</td></tr><tr><td>230-8014A-R02</td><td>900 g</td></tr><tr><td>230-8014A-R03</td><td>900 g</td></tr><tr><td>230-8014A-R10</td><td>900 g</td></tr></tbody></table> | variant | weight | 230-8014A-R01 | 900 g | 230-8014A-R02 | 900 g | 230-8014A-R03 | 900 g | 230-8014A-R10 | 900 g | <p>RK001 RK002 RK003 RK010</p> |
| variant | weight | | | | | | | | | | | |
| 230-8014A-R01 | 900 g | | | | | | | | | | | |
| 230-8014A-R02 | 900 g | | | | | | | | | | | |
| 230-8014A-R03 | 900 g | | | | | | | | | | | |
| 230-8014A-R10 | 900 g | | | | | | | | | | | |
| <div> </div> | <p>Electronic control panel type 400-8081A</p> <p>suitable for switching of big loads (e.g. heating)</p> <p>line voltage: 3N~400/230V 50/60Hz nominal current: 16 A by cosφ=1 system of protection: IP 55 weight: 485 g</p> <p>inclusive: 2 pipe clips Ø 32 mm mounted on the back</p> | <p>400-8081A</p> | | | | | | | | | | |



| CONTROL PANEL | | Order No. | | | | | | | | | |
|--|--|-----------|---------|--------|--|--|-------|--|--|-------|------------------------|
|   | <p>Connecting boxes with EMC filter series 230-7071X</p> <p>line voltage: 230V 50Hz output 1: with filter (230V 50Hz) nominal current: 16 A by cosφ=1 system of protection: IP 55</p> <table><thead><tr><th></th><th>variant</th><th>weight</th></tr></thead><tbody><tr><td>for mounting on the wall, inclusive assembling auxiliaries</td><td></td><td>417 g</td></tr><tr><td>2 pipe clips Ø 32 mm mounted on the back</td><td></td><td>437 g</td></tr></tbody></table> <p>CE</p> | | variant | weight | for mounting on the wall, inclusive assembling auxiliaries | | 417 g | 2 pipe clips Ø 32 mm mounted on the back | | 437 g | 230-7071A 230-7071D |
| | | variant | weight | | | | | | | | |
| for mounting on the wall, inclusive assembling auxiliaries | | 417 g | | | | | | | | | |
| 2 pipe clips Ø 32 mm mounted on the back | | 437 g | | | | | | | | | |
| <div>WILL BE DISCONTINUED</div>   | <p>Connecting boxes with EMC filter series 400-7072X</p> <p>line voltage: 3N~400/230V 50Hz output 1: with filter (230V 50Hz) output 2: non-filtered (3N~400/230V 50Hz) nominal current: 16 A by cosφ=1 system of protection: IP 55</p> <table><thead><tr><th></th><th>variant</th><th>weight</th></tr></thead><tbody><tr><td>for mounting on the wall, inclusive assembling auxiliaries</td><td></td><td>430 g</td></tr><tr><td>2 pipe clips Ø 32 mm mounted on the back</td><td></td><td>450 g</td></tr></tbody></table> <p>CE</p> | | variant | weight | for mounting on the wall, inclusive assembling auxiliaries | | 430 g | 2 pipe clips Ø 32 mm mounted on the back | | 450 g | 400-7072A 400-7072D |
| | variant | weight | | | | | | | | | |
| for mounting on the wall, inclusive assembling auxiliaries | | 430 g | | | | | | | | | |
| 2 pipe clips Ø 32 mm mounted on the back | | 450 g | | | | | | | | | |

Power connection box series 230-705XE - structure



| CONTROL PANEL | Order No. | | | | | | |
|--|-----------|--------|-------------------|-----|-------------------|-----|----------------------|
|   <p>Connecting box 230-7051E material: plastic mounting screw connection: 2 x PG 11 system of protection: IP 55 weight: 149 g</p> <p>CE</p> | 230-7051E | | | | | | |
|   <p>Connecting box 230-7052E material: plastic mounting screw connection: 3 x PG 11 system of protection: IP 55 weight: 159 g</p> <p>CE</p> | 230-7052E | | | | | | |
|  <p>Clip bracket straight series 606721 snap on mounting</p> <p>material: plastic</p> <table> <thead> <tr> <th>variant</th><th>weight</th></tr> </thead> <tbody> <tr> <td>pipe clip Ø 20 mm</td><td>3 g</td></tr> <tr> <td>pipe clip Ø 32 mm</td><td>4 g</td></tr> </tbody> </table> <p>suitable for: connecting box: 230-7051E, 230-7052E</p> | variant | weight | pipe clip Ø 20 mm | 3 g | pipe clip Ø 32 mm | 4 g | P-606721 P-606733 |
| variant | weight | | | | | | |
| pipe clip Ø 20 mm | 3 g | | | | | | |
| pipe clip Ø 32 mm | 4 g | | | | | | |
|  <p>Clip bracket 90° angulate 606734 snap on mounting</p> <p>material: plastic</p> <table> <thead> <tr> <th>variant</th><th>weight</th></tr> </thead> <tbody> <tr> <td>pipe clip Ø 32 mm</td><td>6 g</td></tr> </tbody> </table> <p>suitable for: connecting box: 230-7051E, 230-7052E</p> | variant | weight | pipe clip Ø 32 mm | 6 g | P-606734 | | |
| variant | weight | | | | | | |
| pipe clip Ø 32 mm | 6 g | | | | | | |
|  <p>Wall mounting material 0206 for fixing the power connection box on the wall</p> <p>material: steel galvanized / plastic weight: 8 g</p> | VZ-0206 | | | | | | |

| CONTROL PANEL | Order No. |
|--|---|
|  <p>Dry-running protection sensor (d.r.p.s.) 010133A for polyester tubs</p> <p>L-level - water available H-level - water not available</p> <p>line voltage: 9 - 30V DC wall thickness: up to 20 mm</p> <p>free cable end weight 1.6 m 71 g 2.6 m 95 g</p> <p>suitable for: all electronic KOLLER control panels</p> | <p>010133A 010133A-1</p> |
|  <p>Dry-running protection sensor (d.r.p.s.) 012-1031A-1 for steel tubs</p> <p>L-level - water available H-level - water not available</p> <p>line voltage: 9 - 16V DC free cable end: 2.6 m drill Ø: 22 mm wall thickness: 2 - 10 mm key: P-1012-20 weight: 173 g</p> <p>suitable for: all electronic KOLLER control panels</p> <p>The optical sensor is exchangeable from inside of the tub.</p> | <p>C-012-1031A-1 B-012-1031A-1 GP-012-1031A-1 W-012-1031A-1</p> |
| <p>WILL BE DISCONTINUED</p>  <p>Capacitive level indicator sensor 010133B for plastic containers</p> <p>L-level - water not available H-level - water available</p> <p>line voltage: 9 - 30V DC wall thickness: up to 20 mm</p> <p>free cable end weight 1.6 m 71 g 2.6 m 95 g</p> | <p>010133B 010133B-1</p> |

| CONTROL PANEL | | Order No. | | | | | | | | | | | | | | | | | |
|---|--|-----------|--------|--|-------|---|------|--|------|---|--------|---------------------------|---------|--|-------|-------|-------|-------|--------|
|  | Connection cables line | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | <table><thead><tr><th>variant</th><th>weight</th></tr></thead><tbody><tr><td>3 x 1,5 mm² (mains voltage-supply)</td><td>102 g</td></tr><tr><td>3 x 1,0 mm² (connection cable for appliances)</td><td>78 g</td></tr><tr><td>5 x 0,75 mm² (connection cables)</td><td>97 g</td></tr></tbody></table> | variant | weight | 3 x 1,5 mm ² (mains voltage-supply) | 102 g | 3 x 1,0 mm ² (connection cable for appliances) | 78 g | 5 x 0,75 mm ² (connection cables) | 97 g | <table><tbody><tr><td>K-315</td></tr><tr><td>K-310</td></tr><tr><td>K-5075</td></tr></tbody></table> | K-315 | K-310 | K-5075 | | | | | | |
| | variant | weight | | | | | | | | | | | | | | | | | |
| 3 x 1,5 mm ² (mains voltage-supply) | 102 g | | | | | | | | | | | | | | | | | | |
| 3 x 1,0 mm ² (connection cable for appliances) | 78 g | | | | | | | | | | | | | | | | | | |
| 5 x 0,75 mm ² (connection cables) | 97 g | | | | | | | | | | | | | | | | | | |
| K-315 | | | | | | | | | | | | | | | | | | | |
| K-310 | | | | | | | | | | | | | | | | | | | |
| K-5075 | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
|  | Signal line | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | <table><thead><tr><th>variant</th><th>weight</th></tr></thead><tbody><tr><td>3 x 0,14 mm²</td><td>23 g</td></tr><tr><td>4 x 0,14 mm²</td><td>19 g</td></tr><tr><td>6 x 0,14 mm²</td><td>30 g</td></tr><tr><td>8 x 0,14 mm²</td><td>34 g</td></tr><tr><td>12 x 0,14 mm²</td><td>47 g</td></tr></tbody></table> | variant | weight | 3 x 0,14 mm ² | 23 g | 4 x 0,14 mm ² | 19 g | 6 x 0,14 mm ² | 30 g | 8 x 0,14 mm ² | 34 g | 12 x 0,14 mm ² | 47 g | <table><tbody><tr><td>K-302</td></tr><tr><td>K-401</td></tr><tr><td>K-601</td></tr><tr><td>K-801</td></tr><tr><td>K-1201</td></tr></tbody></table> | K-302 | K-401 | K-601 | K-801 | K-1201 |
| | variant | weight | | | | | | | | | | | | | | | | | |
| | 3 x 0,14 mm ² | 23 g | | | | | | | | | | | | | | | | | |
| | 4 x 0,14 mm ² | 19 g | | | | | | | | | | | | | | | | | |
| 6 x 0,14 mm ² | 30 g | | | | | | | | | | | | | | | | | | |
| 8 x 0,14 mm ² | 34 g | | | | | | | | | | | | | | | | | | |
| 12 x 0,14 mm ² | 47 g | | | | | | | | | | | | | | | | | | |
| K-302 | | | | | | | | | | | | | | | | | | | |
| K-401 | | | | | | | | | | | | | | | | | | | |
| K-601 | | | | | | | | | | | | | | | | | | | |
| K-801 | | | | | | | | | | | | | | | | | | | |
| K-1201 | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
|  | Seal stopper PG-X-1 | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | <table><thead><tr><th>variant</th><th>weight</th></tr></thead><tbody><tr><td>PG 7</td><td>1 g</td></tr><tr><td>PG 9</td><td>1 g</td></tr><tr><td>PG 11</td><td>1 g</td></tr></tbody></table> | variant | weight | PG 7 | 1 g | PG 9 | 1 g | PG 11 | 1 g | <table><tbody><tr><td>PG-7-1</td></tr><tr><td>PG-9-1</td></tr><tr><td>PG-11-1</td></tr></tbody></table> | PG-7-1 | PG-9-1 | PG-11-1 | | | | | | |
| | variant | weight | | | | | | | | | | | | | | | | | |
| PG 7 | 1 g | | | | | | | | | | | | | | | | | | |
| PG 9 | 1 g | | | | | | | | | | | | | | | | | | |
| PG 11 | 1 g | | | | | | | | | | | | | | | | | | |
| PG-7-1 | | | | | | | | | | | | | | | | | | | |
| PG-9-1 | | | | | | | | | | | | | | | | | | | |
| PG-11-1 | | | | | | | | | | | | | | | | | | | |
| suitable for: mounting screw connection of the selected dimension | | | | | | | | | | | | | | | | | | | |

BUTTON

14

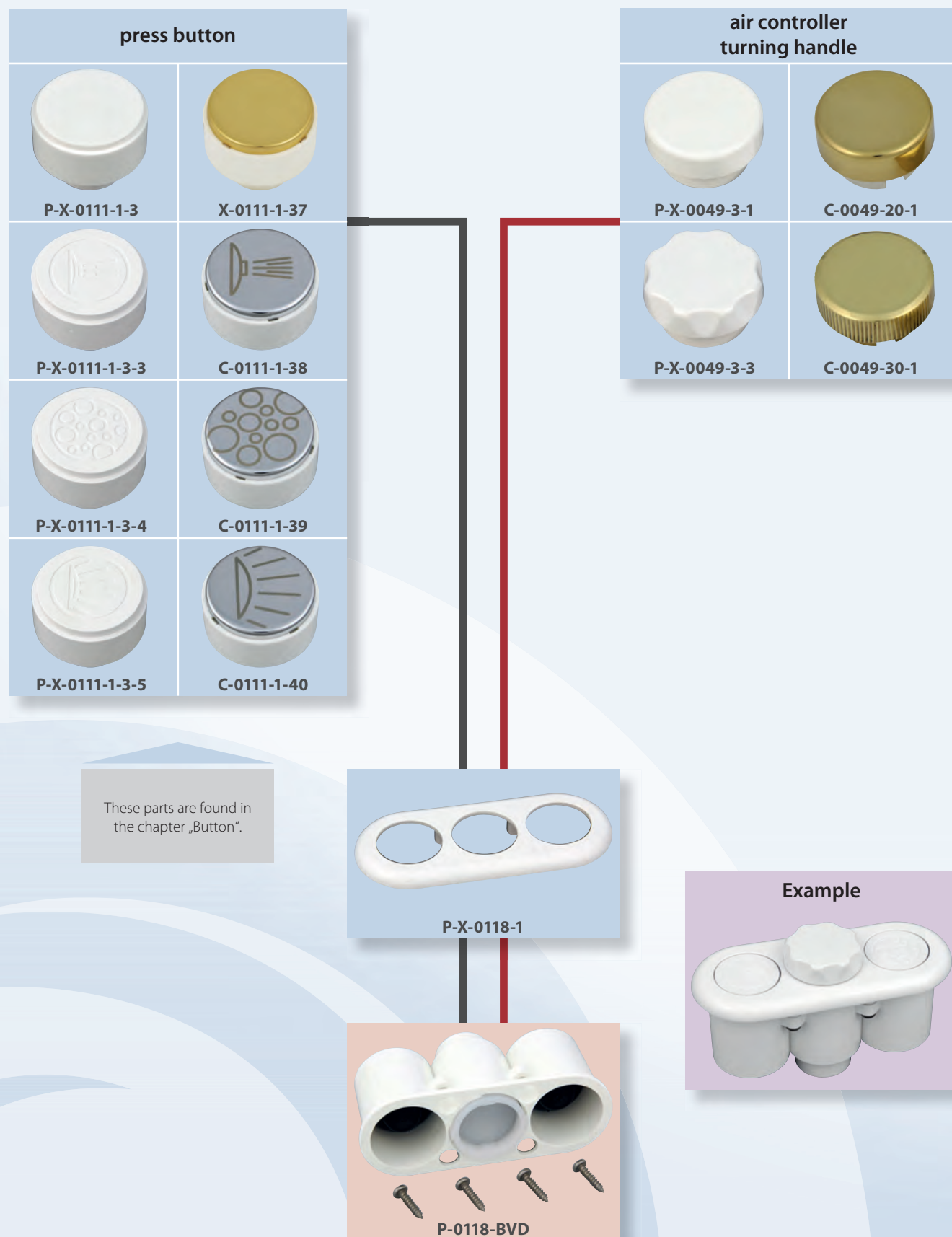


Features - Button



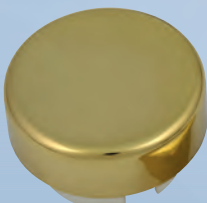
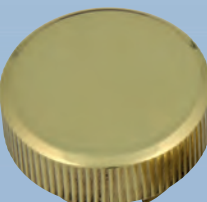
- Wide choice of various functions and designs
- Varying housing types and installation options
- Combi buttons = combination of air control and button
- Electronic switches with/without temperature control
- Pneumatic buttons
- Status display, edge lighting, etc....
- Remote controls
- Also available in flatline versions



Combi control panel - structure



Please replace the X by the desired color code shown on the inside front cover legend!

| BUTTON | Order No. |
|--|---|
|  <p>air controller turning handle 0049-3-1 material: plastic cover Ø: 33.5 mm height: 9 mm weight: 6 g</p> <p>suitable for: combination control panel cover: P-X-0118-1 Flatline push button cover: C-M00355-10, C-M10355-10</p> | P-W-0049-3-1 P-C-0049-3-1 |
|  <p>air controller turning handle 0049-3-3 material: plastic cover Ø: 33.5 mm height: 9 mm weight: 6 g</p> <p>suitable for: combination control panel cover: P-X-0118-1 Flatline push button cover: C-M00355-10, C-M10355-10</p> | P-W-0049-3-3 P-C-0049-3-3 |
|  <p>air controller turning handle 0049-20-1 material: brass / plastic cover Ø: 35 mm height: 11 mm weight: 16 g</p> <p>suitable for: combination control panel cover: P-X-0118-1 Flatline push button cover: C-M00355-10, C-M10355-10</p> | C-0049-20-1 B-0049-20-1 GP-0049-20-1 W-0049-20-1 |
|  <p>air controller turning handle 0049-30-1 material: brass cover Ø: 36 mm height: 11.5 mm weight: 76 g</p> <p>suitable for: combination control panel cover: P-X-0118-1 Flatline push button cover: C-M00355-10, C-M10355-10</p> | C-0049-30-1 B-0049-30-1 GP-0049-30-1 W-0049-30-1 |

| BUTTON | Order No. |
|---|---|
| <div>WILL BE DISCONTINUED</div> <div>Combi control panel cover 0118-1</div> <div> <p>material: plastic length: 115 mm width: 48 mm height: 6 mm weight: 13 g</p> </div> <div>suitable for:</div> <div>combi control panel lower part: P-0118-BVD</div> <div> </div> | <div> P-W-0118-1 P-C-0118-1 </div> |
| <div>WILL BE DISCONTINUED</div> <div>Combi control panel lower part 0118-BVD</div> <div>combination of air control and 2 pneumatic button</div> <div> <p>material: plastic air suction: under the tub connection for air controller Ø: 20 mm fitting length: 51 mm check valve: integrated (P-0449) drill Ø: 35 mm pneumatic connection Ø: 3 mm weight: 77 g</p> </div> <div>inclusive:</div> <div>4 pieces stainless steel screws (3,5 x 16 mm)</div> <div> </div> | <div>P-0118-BVD</div> |

| BUTTON | Order No. |
|--|--------------------------|
|  <p>Flatline combi button pneumatic P-X-M00356 combination of air controller and pneumatic button</p> <p>material: plastic / brass air suction: under the tub connection for air controller Ø: 20 mm fitting length: 90 mm wall thickness: 2 - 20 mm drill Ø: 52 mm pneumatic connection Ø: 3 mm cover Ø: 56 mm check valve: integrated (P-0449) weight: 127 g</p> | P-W-M00356 P-C-M00356 |
|  <p>Flatline combi button ring M00356-10</p> <p>material: brass drill Ø: 52 mm cover Ø: 56 mm weight: 32 g</p> <p>suitable for: Flatline combi button: P-X-M00356</p> | C-M00356-10 |
|  <p>Flatline spacer washer M00356-1</p> <p>material: plastic outside Ø: 60 mm thickness: 6.5 mm weight: 8 g</p> <p>suitable for: Flatline combi button: P-X-M00356</p> | P-M00356-1 |

Combi button PN - structure



These parts are found
in the chapter „Button“.



Please replace the X by the desired color code shown on the inside front cover legend!

Combi button with electronic button Ø 25 mm - structure



Please replace the X by the desired color code shown on the inside front cover legend!

| BUTTON | Order No. |
|---|------------------------------|
|  <p>Press button 0112-14 material: plastic Ø: 28 mm weight: 9 g</p> <p>suitable for: combi button lower part: P-0112-BVD</p> | P-W-0112-14 |
|  <p>Combi button ring P-X-0112-4 material: plastic outside Ø: 57 mm weight: 9 g</p> <p>suitable for: combi button lower part: P-0112-BVD, P-3601A-BVD, P-3602A-BVD connection body for PN button: P-0112-24 connection body for EL button: P-0112-23</p> | P-W-0112-4 P-C-0112-4 |
|  <p>Combi button ring 0112-4-3 with labeling (ON AIR OFF)</p> <p>material: plastic outside Ø: 57 mm weight: 9 g</p> <p>suitable for: combi button lower part: P-0112-BVD, P-3601A-BVD, P-3602A-BVD connection body for PN button: P-0112-24 connection body for EL button: P-0112-23</p> | P-W-0112-4-3 P-C-0112-4-3 |
|  <p>Combi button ring 0112-4-1 material: plastic outside Ø: 57 mm weight: 9 g</p> <p>suitable for: combi button lower part: P-0112-BVD, P-3601A-BVD, P-3602A-BVD connection body for PN button: P-0112-24 connection body for EL button: P-0112-23</p> | P-W-0112-4-1 P-C-0112-4-1 |

| BUTTON | Order No. |
|---|---|
|  <p>Combi button ring 0112-4-4 with labeling (ON AIR OFF)</p> <p>material: plastic outside Ø: 57 mm weight: 9 g</p> <p>suitable for: combi button lower part: P-0112-BVD, P-3601A-BVD, P-3602A-BVD connection body for PN button: P-0112-24 connection body for EL button: P-0112-23</p> | P-W-0112-4-4 P-C-0112-4-4 |
|  <p>Combi button ring X-0112-4</p> <p>material: brass / plastic outside Ø: 58 mm weight: 25 g</p> <p>suitable for: combi button lower part: P-0112-BVD, P-3601A-BVD, P-3602A-BVD connection body for PN button: P-0112-24 connection body for EL button: P-0112-23</p> | C-0112-4 B-0112-4 GP-0112-4 W-0112-4 |
|  <p>Combi button lower part 0112-BVD combination of air controller and pneumatic button</p> <p>material: plastic air suction: under the tub connection for air controller Ø: 20 mm fitting length: 90 mm wall thickness: 2 - 20 mm check valve: integrated (P-0449) drill Ø: 43 mm pneumatic connection Ø: 3 mm weight: 78 g</p> | P-0112-BVD |

| BUTTON | Order No. | | | | | | |
|--|----------------------|--------|-------------------------------|-------|----------------------------|-------|----------------------------|
|  <p>Combi button 0112 combination of air controller and pneumatic button</p> <p>material: plastic air suction: under the tub connection for air controller Ø: 20 mm fitting length: 90 mm wall thickness: 2 - 20 mm check valve: integrated (P-0449) drill Ø: 43 mm pneumatic connection Ø: 3 mm cover Ø: 57 mm weight: 91 g</p> <p>consists of: press button: P-X-0111-1-3 combi button ring: P-X-0112-4-3 combi button lower part: P-0112-BVD</p> | P-W-0112 P-C-0112 | | | | | | |
|  <p>Combi button 0114 combination of air controller and pneumatic button</p> <p>material: plastic air suction: under the tub connection for air controller Ø: 20 mm fitting length: 90 mm wall thickness: 2 - 20 mm check valve: integrated (P-0449) drill Ø: 43 mm pneumatic connection Ø: 3 mm cover Ø: 57 mm weight: 87 g</p> | P-W-0114 P-C-0114 | | | | | | |
|  <p>Combi button lower part 360XA-BVD combination of air controller and electronic button</p> <p>material: plastic air suction: under the tub connection for air controller Ø: 20 mm fitting length: 90 mm wall thickness: 2 - 20 mm check valve: integrated (P-0449) drill Ø: 43 mm free cable end: 2 m with tin-plated line ends weight: 156 g</p> <table> <thead> <tr> <th>variant</th><th>weight</th></tr> </thead> <tbody> <tr> <td>electronic button without LED</td><td>126 g</td></tr> <tr> <td>electronic button with LED</td><td>128 g</td></tr> </tbody> </table> <p>For the operation of the control panels of the series 230-8014X-SXX, 230-8022A-SXX, 230-8091A-SXX and jet pumps with built-in electronic control.</p> | variant | weight | electronic button without LED | 126 g | electronic button with LED | 128 g | P-3601A-BVD P-3602A-BVD |
| variant | weight | | | | | | |
| electronic button without LED | 126 g | | | | | | |
| electronic button with LED | 128 g | | | | | | |

Pneumatic button Flatline - structure


ATTENTION!

The spacer washer needs to be used to ensure that the part is tightened well.

Please replace the X by the desired color code shown on the inside front cover legend!

Pneumatic button - structure

press button



Please replace the X by the desired color code shown on the inside front cover legend!



| BUTTON | Order No. |
|--|------------------------------|
|  <p>Press button 0111-1-38 symbol: jet material: brass / plastic Ø: 28 mm weight: 8 g</p> <p>suitable for: combi button lower part: P-0112-BVD button lower part: P-0111-BVD combi control panel lower part: P-0118-BVD connection body for pneumatic button: P-0112-24</p> <p>Design and logo possible on request!</p> | C-0111-1-38 |
|  <p>Press button 0111-1-39 symbol: air material: brass / plastic Ø: 28 mm weight: 8 g</p> <p>suitable for: combi control panel lower part: P-0118-BVD push button lower part: P-0111-BVD</p> <p>Design and logo possible on request!</p> | C-0111-1-39 |
|  <p>Press button 0111-1-40 symbol: light material: brass / plastic Ø: 28 mm weight: 8 g</p> <p>suitable for: combi control panel lower part: P-0118-BVD push button lower part: P-0111-BVD</p> <p>Design and logo possible on request!</p> | C-0111-1-40 |
|  <p>Push button cover P-X-0111-1-2 material: plastic cover Ø: 51 mm height: 6 mm weight: 6 g</p> <p>suitable for: button lower part: P-0111-BVD</p> | P-W-0111-1-2 P-C-0111-1-2 |
|  <p>Push button cover P-X-0049-8 material: plastic cover Ø: 47 mm height: 6 mm weight: 5 g</p> <p>suitable for: button lower part: P-0111-BVD</p> | P-W-0049-8 P-C-0049-8 |

| BUTTON | Order No. |
|--|---|
|  <p>Push button cover X-0111-1-2 material: brass cover Ø: 51 mm height: 6 mm weight: 41 g</p> <p>suitable for: button lower part: P-0111-BVD</p> | C-0111-1-2 B-0111-1-2 GP-0111-1-2 W-0111-1-2 |
|  <p>Push button cover X-0049-8 material: brass cover Ø: 47 mm height: 6 mm weight: 35 g</p> <p>suitable for: button lower part: P-0111-BVD</p> | C-0049-8 B-0049-8 GP-0049-8 W-0049-8 |
|  <p>Push button lower part 0111-BVD material: plastic fitting length: 46 mm wall thickness: 2 - 23 mm drill Ø: 37 mm pneumatic connection Ø: 3 mm weight: 22 g</p> | P-0111-BVD |
|  <p>Push button 0111-1 for pneumatic systems</p> <p>material: plastic fitting length: 46 mm wall thickness: 2 - 23 mm drill Ø: 37 mm pneumatic connection Ø: 3 mm cover Ø: 51 mm weight: 33 g</p> <p>consists of: press button: P-X-0111-1-3 push button cover: P-X-0111-1-2 push button lower part: P-0111-BVD</p> | P-W-0111-1 P-C-0111-1 |

Temperature indicator Ø 40 mm Flatline - structure



See page 14.22



ATTENTION!

The spacer washer needs to be used to ensure that the part is tightened well.

temperature indicators



3701A-S01



3701B-S01



3701C-S01




Temperature indicators Ø 40 mm - structure



Please replace the X by the desired color code shown on the inside front cover legend!



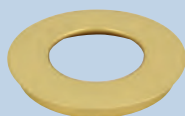
Main Catalogue system components for whirlpool tubs
Technical specifications and printing errors are subject to change
without prior notification. EN2122 © Copyright reserved.

| BUTTON | Order No. |
|---|-----------|
|  <p>Electronic temperature indicator 3701A</p> <p>function: display of the water temperature It is possible to indicate the temperature in °C or °F.</p> <p>material: plastic cable length: 2 m with tin-plated line ends fitting length: 74 mm without cable wall thickness: 2 - 12 mm drill Ø: 37 mm line voltage: 9 - 12V DC display range: 0.5 - 60°C (33 - 140°F) system of protection: IP 55 weight: 100 g</p> <p>suitable for: all electronic control panels</p> <p>in active mode, LED display: red</p> <p>ATTENTION! Temperature sensor (012-1021B) absolutely necessary! Mind the installation variation (body, immersion sleeve).</p> | 3701A-S01 |
|  <p>Electronic temperature indicator with 1 function 3701B</p> <p>function: display of the water temperature It is possible to indicate the temperature in °C or °F. 1 appliance ON/OFF</p> <p>material: plastic cable length: 2 m with tin-plated line ends fitting length: 74 mm without cable wall thickness: 2 - 12 mm drill Ø: 37 mm line voltage: 9 - 12V DC display range: 0.5 - 60°C (33 - 140°F) system of protection: IP 55 weight: 100 g</p> <p>suitable for: electronic control panel: 230-8091A-S01</p> <p>in active mode, LED display: red</p> <p>ATTENTION! Temperature sensor (012-1021B) absolutely necessary! Mind the installation variation (body, immersion sleeve).</p> | 3701B-S01 |
|  <p>Electronic temperature control device 3701C</p> <p>function: display of the water temperature It is possible to indicate the temperature in °C or °F. temperature control of adjustable set point</p> <p>material: plastic cable length: 2 m with tin-plated line ends fitting length: 74 mm without cable wall thickness: 2 - 12 mm drill Ø: 37 mm line voltage: 9 - 12V DC display range: 0.5 - 60°C (33 - 140°F) adjustment range: 10 - 42°C (50 - 108°F) system of protection: IP 55 weight: 100 g</p> <p>suitable for: electronic control panel: 230-8022A-S15, 230-8014X-SXX (e.g. S26, S27,...), 240 9036A-S02</p> <p>in active mode, LED display: red</p> <p>ATTENTION! Temperature sensor (012-1021B) absolutely necessary! Mind the installation variation (body, immersion sleeve).</p> | 3701C-S01 |

| BUTTON | | Order No. | | | | | | | | | | | | |
|---|---|---|----------------|--------|---------------------|-------|------|---------------------|-------|------|-----------------------|-------|------|---------------------------------------|
|  | Air jet cap P-X-0142-2-5 material: plastic cover Ø: 27 mm outlet for air: 7 hole key: P-0143-11 weight: 1 g suitable for: air jet body: series 0142-1-3 body for temperature sensor: N-1021-10 | P-W-0142-2-5 P-C-0142-2-5 | | | | | | | | | | | | |
| | Air jet cap X-0142-2-5 material: brass cover Ø: 27 mm outlet for air: 7 hole key: P-0143-11 weight: 5 g suitable for: air jet body: series 0142-1-3 body for temperature sensor: N-1021-10 | C-0142-2-5 B-0142-2-5 GP-0142-2-5 W-0142-2-5 | | | | | | | | | | | | |
|  | Body for temperature sensor 1021-10 with nut and sealing ring material: brass nickel-plated fitting length: 35 mm wall thickness: 2 - 27 mm drill Ø: 16 mm thread length: 35 mm weight: 62 g Functional description: for installation in the wall | N-1021-10 | | | | | | | | | | | | |
|  | Immersion sleeve 1021-11 incl. flat packing (17x11x3 mm) connection: 1/4" outside thread <table> <thead> <tr> <th>material</th><th>overall length</th><th>weight</th></tr> </thead> <tbody> <tr> <td>brass nickel-plated</td><td>80 mm</td><td>31 g</td></tr> <tr> <td>brass nickel-plated</td><td>60 mm</td><td>26 g</td></tr> <tr> <td>stainless steel (V4A)</td><td>80 mm</td><td>30 g</td></tr> </tbody> </table> Functional description: for installation in the vacuum fitting | material | overall length | weight | brass nickel-plated | 80 mm | 31 g | brass nickel-plated | 60 mm | 26 g | stainless steel (V4A) | 80 mm | 30 g | N-1021-11 N-1021-12 SR4-1021-11 |
| material | overall length | weight | | | | | | | | | | | | |
| brass nickel-plated | 80 mm | 31 g | | | | | | | | | | | | |
| brass nickel-plated | 60 mm | 26 g | | | | | | | | | | | | |
| stainless steel (V4A) | 80 mm | 30 g | | | | | | | | | | | | |
|  | Temperature sensor 012 1021B system of protection: IP 68 cable length: 2.5 m weight: 31 g suitable for: body: N-1021-10, N-1021-11, N-1021-12, SR4-1021-11 | 012-1021B | | | | | | | | | | | | |

| BUTTON | Order No. |
|---|-----------|
| <div> </div> <div> Short stroke button 3641A </div> <div> <p>function: 1 function with blue ring lighting</p> </div> <div> <p>material: stainless steel (V2A) outside Ø: 22 mm cable length: 2 m with tin-plated line ends fitting length: 35 mm wall thickness: 2 - 13 mm drill Ø: 19 mm line voltage: 5V DC system of protection: IP 65 weight: 65 g</p> </div> | 005-3641A |
| <div> </div> <div> Piezo button 3631A </div> <div> <p>function: 1 function with green LED, no long key activity possible</p> </div> <div> <p>material: stainless steel (V4A) outside Ø: 25 mm cable length: 2 m with tin-plated line ends fitting length: 18 mm without cable wall thickness: 2 - 13 mm drill Ø: 22 mm line voltage: 5V DC system of protection: IP 68 weight: 76 g</p> </div> | 005-3631A |

Electronic button with closed body Ø 25 mm Flatline - structure



C-M00350-10



P-M00350-1

ATTENTION!
The spacer washer needs to be used to ensure that the part is tightened well.

Electronic button



1A-0



2A-0



1G-0



2G-0



1H-0





P-362XXXX

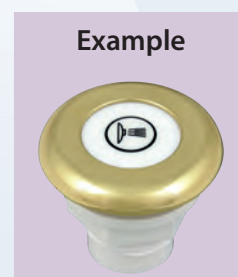
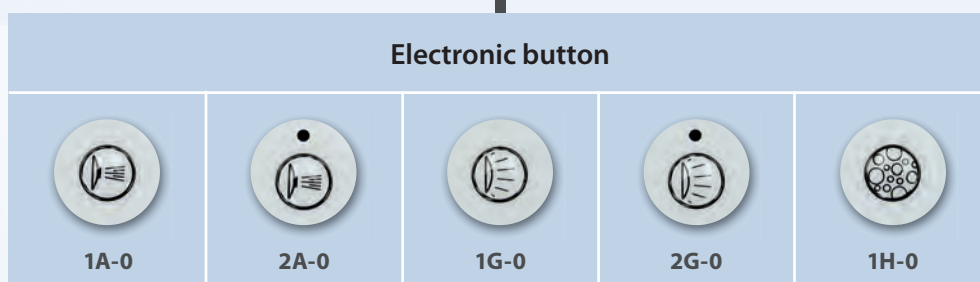
Example



Please replace the X by the desired color code shown on the inside front cover legend!

| BUTTON | Order No. |
|--|-------------|
|  <p>Flatline button ring M00350-10</p> <p>material: brass outside Ø: 38 mm drill Ø: 35 mm weight: 13 g</p> <p>suitable for: button body: P-362XXXX</p> | C-M00350-10 |
|  <p>Flatline spacer washer M-00350-1</p> <p>material: plastic outside Ø: 40 mm thickness: 5.5 mm weight: 4 g</p> <p>suitable for: button body: P-362XXXX</p> | P-M00350-1 |

Electronic button with closed body Ø 25 mm - structure



Please replace the X by the desired color code shown on the inside front cover legend!

BUTTON



1A-0



2A-0



1G-0



2G-0



1H-0

ELECTRONIC BUTTON 1 FUNCTION Ø 25 MM

Order No.

cable length: 2 m with tin-plated line ends
weight: 70 g

| symbol | with LED | |
|--------|----------|------|
| jet | - | 1A-0 |
| jet | yes | 2A-0 |
| light | - | 1G-0 |
| light | yes | 2G-0 |
| air | - | 1H-0 |

The body houses the cable connections linked to the circuit element, via a plug-in connector.

ATTENTION! Electronic buttons are always delivered completely assembled including body and mounted cable. For ordering please specify body no. + push button no. as follows, (e.g. P-362+1A-0 = P-3621A-0).

Design and logo possible on request!

examples for complete electronic buttons (body + button):



P-3621A-0
P-W-0120



P-3621A-0
B-0120-1

| BUTTON | Order No. |
|---|---|
|  <p>Button ring 0120 material: plastic cover Ø: 38 mm height: 5.5 mm weight: 3 g</p> <p>suitable for: button body: P-362XXXX</p> | P-W-0120 P-C-0120 |
|  <p>Button ring 0120-1 material: brass cover Ø: 38 mm height: 5.5 mm weight: 18 g</p> <p>suitable for: button body: P-362XXXX</p> | C-0120-1 B-0120-1 GP-0120-1 W-0120-1 |
|  <p>Button body 362XXXX material: plastic fitting length: 27 mm without cable wall thickness: 2 - 12 mm drill Ø: 22 mm system of protection: IP 55 weight: 7 g</p> <p>consists of: adhesive ring, body, nut, mounting screw connection</p> <p>suitable for: all electronic buttons Ø 25 mm</p> <p>When placing your order, please indicate the article numbers of the body and push button as follows: (e.g. P-362+1A-0 = P-3621A-0), Please order button ring separately!</p> | P-362XXXX |



Electronic button Ø 40 mm Flatline - structure

ATTENTION!

The spacer washer needs to be used to ensure that the part is tightened well.


C-M00351-10

P-M00304-1
Electronic button

1 function



2 functions



3 functions



4 functions



5 functions


P-325XX

P-341XX

R-346XX
Order example:

1 x Button ring: C-M00351-10
 1 x spacer washer: P-M00304-1
 1 x Electronic button: 2N
 1 x Button body: P-325

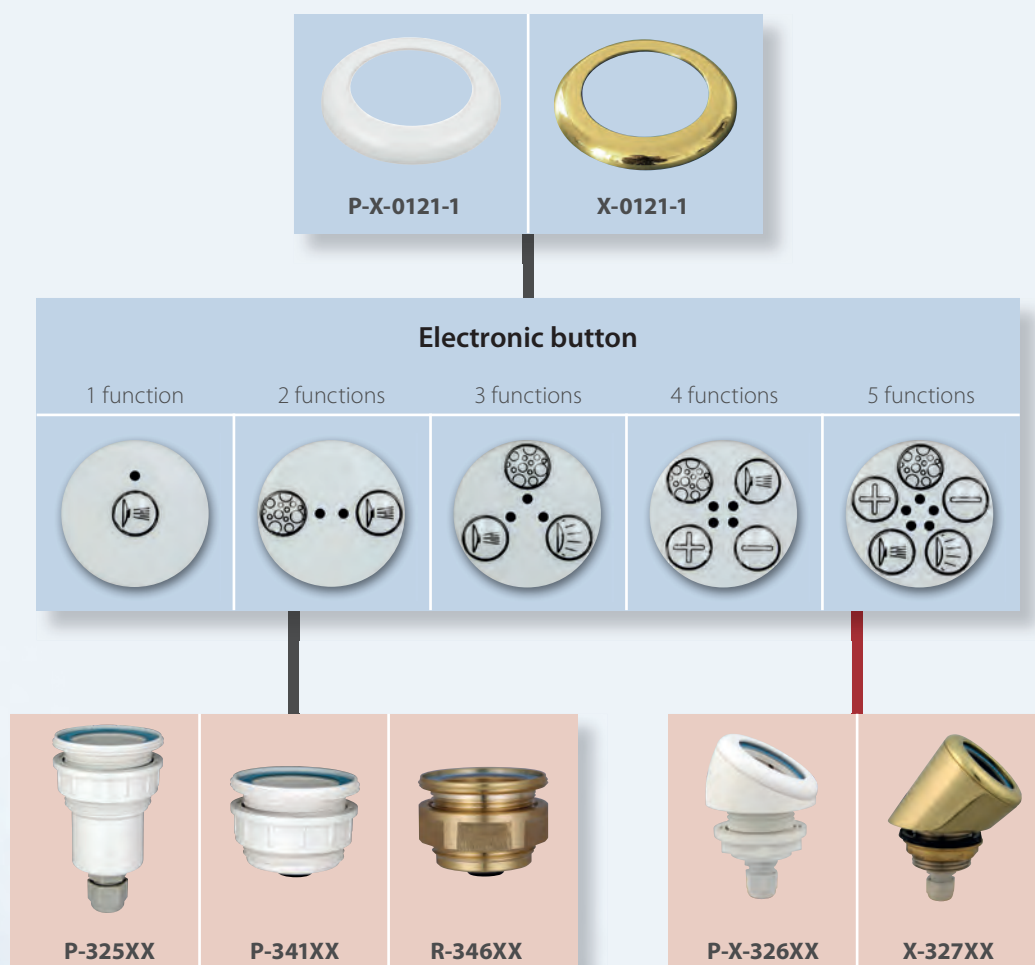
please specify as follows:

P-325 + 2N = P-3252N


**P-3252N
 C-M00351-10
 P-M00304-1**

| BUTTON | Order No. |
|--|-------------|
|  <p>Flatline button ring M00351-10</p> <p>material: brass outside Ø: 53 mm drill Ø: 48 mm weight: 21 g</p> <p>suitable for: electronic temperature indicator: 3701A-S01, 3701B-S01 electronic temperature control device: 3701C-S01 button body: P-325XX, P-341XX, R-346XX</p> | C-M00351-10 |
|  <p>Flatline spacer washer M00304-1</p> <p>material: plastic outside Ø: 55 mm thickness: 5.5 mm weight: 6 g</p> <p>suitable for: air controller lower part: P-0049-BVD, P-1049-BVD turbo air controller lower part: P-0049-10-BVD push button lower part: P-0111-BVD electronic temperature indicator: 3701A-S01, 3701B-S01 electronic temperature control device: 3701C-S01 button body: P-325XX, P-341XX, R-346XX mini LED spa light: 5141-A, 5141-B, 5141-C, 5141-D, 5141-E mini LED spa light with transformer: 240-5261A, 240-5261B, 240-5261C, 240-5261D, 240-5261E mini RGB LED spa light: 012-5161A-S01, 012-5161A-S02, 012-5162A-S03, 012-5162A-S04 mini RGB LED spa light with transformer: 240-5261F-S01, 240-5261F-S02</p> | P-M00304-1 |

Electronic button Ø 40 mm - structure



Order example:

1 x Button ring: B-0121-1
1 x Electronic button: 2N
1 x Button body: P-325

please specify as follows:

P-325 + 2N = P-3252N



Order example:

1 x Electronic button: 1B
1 x Button body: P-W-326

please specify as follows:

P-W-326 + 1B = P-W-3261B



Please replace the X by the desired color code shown on the inside front cover legend!

BUTTON


1B



1C



1Q



2B



2C



2Q



2R



2D

ELECTRONIC BUTTON 1 FUNCTION Ø 40 MM
Order No.

cable length: 2 m with tin-plated line ends
weight: 70 g

| symbol | with LED | |
|----------------|----------|----|
| jet | - | 1B |
| light | - | 1C |
| air | - | 1Q |
| jet | yes | 2B |
| light | yes | 2C |
| air | yes | 2Q |
| filling | yes | 2R |
| dry out/rewash | yes | 2D |

The body houses the cable connections linked to the circuit element, via a plug-in connector.

ATTENTION! Electronic buttons are always delivered completely assembled including body and mounted cable. For ordering please specify body no. + push button no. as follows, (e.g. P-325+1B = P-3251B).

Design and logo possible on request!

examples for complete electronic buttons (body + button):

P-3252N
B-0121-1

P-3411K
P-W-0121-1

R-3461I
B-0121-1

P-W-3261B

B-3271E


Main Catalogue system components for whirlpool tubs
Technical specifications and printing errors are subject to change
without prior notification. EN2122 © Copyright reserved.

BUTTON



1E



1F



1S



2E



2F



2S



2G



6R



5I



6L

WILL BE DISCONTINUED

WILL BE DISCONTINUED

ELECTRONIC BUTTON 2 FUNCTIONS Ø 40 MM

Order No.

cable length: 2 m with tin-plated line ends
weight: 71 g

| symbol | with LED | |
|------------------------------|----------|----|
| air, jet | - | 1E |
| light, jet | - | 1F |
| air, light | - | 1S |
| air, jet | yes | 2E |
| light, jet | yes | 2F |
| air, light | yes | 2S |
| jet, dry out/rewash | yes | 2G |
| light, light - stop/continue | yes | 6R |
| light, stop/continue | yes | 5I |
| jet, zone roller | yes | 6L |

The body houses the cable connections linked to the circuit element, via a plug-in connector.

ATTENTION! Electronic buttons are always delivered completely assembled including body and mounted cable. For ordering please specify body no. + push button no. as follows, (e.g. P-325+1B = P-3251B).

Design and logo possible on request!

examples for complete electronic buttons (body + button):


P-3252N
B-0121-1

P-3411K
P-W-0121-1

R-3461I
B-0121-1


P-W-3261B



B-3271E

BUTTON


1H



1I



1J



2H



2I



2J

WILL BE DISCONTINUED



6Q

WILL BE DISCONTINUED



7H



7P

ELECTRONIC BUTTON 3 FUNCTIONS Ø 40 MM
Order No.

 cable length: 2 m with tin-plated line ends
 weight: 71 g

| symbol | with LED | |
|------------------------------|----------|----|
| air, plus, minus | - | 1H |
| air, jet, light | - | 1I |
| jet, plus, minus | - | 1J |
| air, plus, minus | yes | 2H |
| air, jet, light | yes | 2I |
| jet, plus, minus | yes | 2J |
| air, jet, dry out/rewash | yes | 6Q |
| jet, zone roller, plus/minus | yes | 7H |
| bluetooth, plus, minus | yes | 7P |

The body houses the cable connections linked to the circuit element, via a plug-in connector.

ATTENTION! Electronic buttons are always delivered completely assembled including body and mounted cable. For ordering please specify body no. + push button no. as follows, (e.g. P-325+1B = P-3251B).

Design and logo possible on request!

examples for complete electronic buttons (body + button):

 P-3252N
B-0121-1

 P-3411K
P-W-0121-1

 R-3461I
B-0121-1

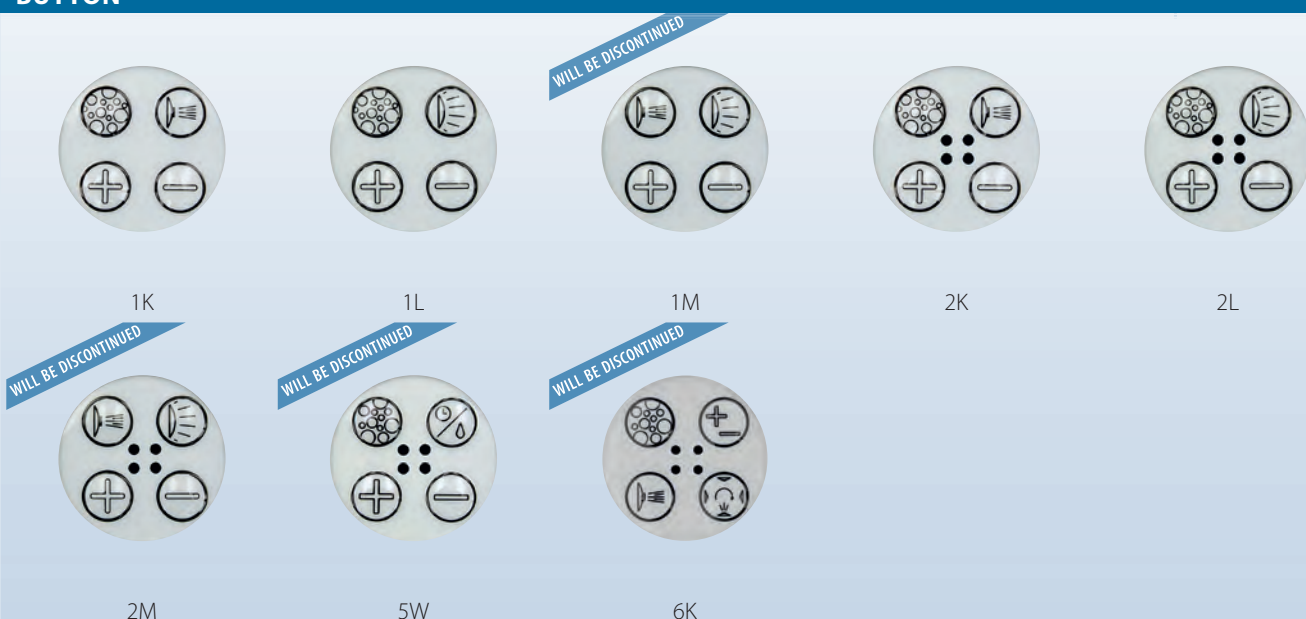

P-W-3261B



B-3271E


 Main Catalogue system components for whirlpool tubs
 Technical specifications and printing errors are subject to change
 without prior notification. EN2122 © Copyright reserved.

BUTTON



ELECTRONIC BUTTON 4 FUNCTIONS Ø 40 MM

Order No.

cable length: 2 m with tin-plated line ends
weight: 88 g

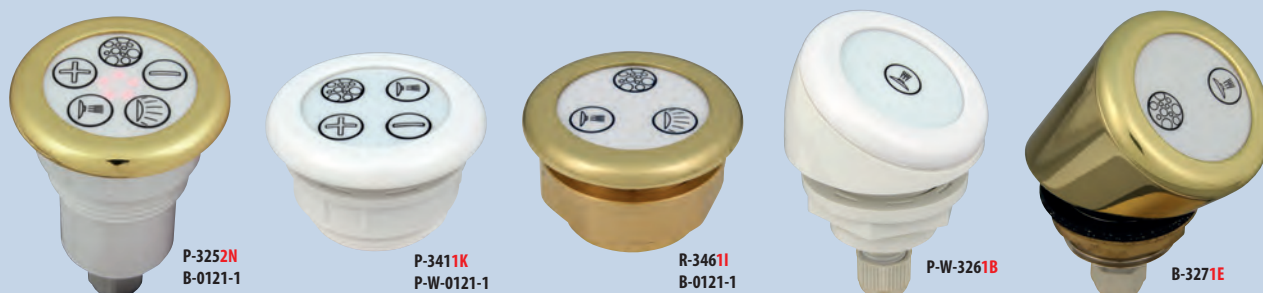
| | symbol | with LED | |
|--|-----------------------------------|----------|----|
| | air, plus, minus, jet | - | 1K |
| | air, plus, minus, light | - | 1L |
| | jet, plus, minus, light | - | 1M |
| | air, plus, minus, jet | yes | 2K |
| | air, plus, minus, light | yes | 2L |
| | jet, plus, minus, light | yes | 2M |
| | air, plus, minus, dry out/rewash | yes | 5W |
| | air, jet, zone roller, plus/minus | yes | 6K |

The body houses the cable connections linked to the circuit element, via a plug-in connector.

ATTENTION! Electronic buttons are always delivered completely assembled including body and mounted cable. For ordering please specify body no. + push button no. as follows, (e.g. P-325+1B = P-3251B).

Design and logo possible on request!

examples for complete electronic buttons (body + button):



BUTTON


1N



2N



2O

ELECTRONIC BUTTON 5 FUNCTIONS Ø 40 MM
Order No.

cable length: 2 m with tin-plated line ends
weight: 98 g

| | symbol | with LED | |
|--|---------------------------------------|----------|----|
| | air, plus, minus, jet, light | - | 1N |
| | air, plus, minus, jet, light | yes | 2N |
| | air, plus, minus, jet, dry out/rewash | yes | 2O |

The body houses the cable connections linked to the circuit element, via a plug-in connector.

ATTENTION! Electronic buttons are always delivered completely assembled including body and mounted cable. For ordering please specify body no. + push button no. as follows, (e.g. P-325+1B = P-3251B).

Design and logo possible on request!

examples for complete electronic buttons (body + button):

P-3252N
B-0121-1

P-3411K
P-W-0121-1

R-3461I
B-0121-1

P-W-3261B

B-3271E


Main Catalogue system components for whirlpool tubs
Technical specifications and printing errors are subject to change
without prior notification. EN2122 © Copyright reserved.

BUTTON



2A

ELECTRONIC BUTTON 1 FUNCTION WITH ADDITIONAL DISPLAY Ø 40 MM

Order No.

cable length: 2 m with tin-plated line ends
weight: 70 g

| symbol | with LED |
|--|----------|
| disinfection, refill disinfection liquid | yes |

2A

The body houses the cable connections linked to the circuit element, via a plug-in connector.

ATTENTION! Electronic buttons are always delivered completely assembled including body and mounted cable. For ordering please specify body no. + push button no. as follows, (e.g. P-325+1B = P-3251B).

Design and logo possible on request!

examples for complete electronic buttons (body + button):

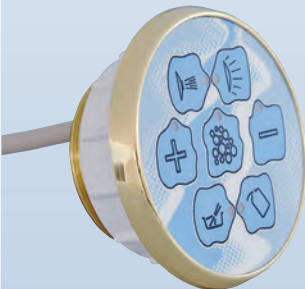


| BUTTON | Order No. |
|--|---|
|  <p>Button ring P-X-0121-1 material: plastic cover Ø: 52 mm height: 5.5 mm weight: 4 g</p> | P-W-0121-1 P-C-0121-1 |
|  <p>Button ring X-0121-1 material: brass cover Ø: 52 mm height: 5.5 mm weight: 23 g</p> | C-0121-1 B-0121-1 GP-0121-1 W-0121-1 |
|  <p>Button body 325XX material: plastic fitting length: 74 mm without cable wall thickness: 2 - 12 mm drill Ø: 37 mm system of protection: IP 55 weight: 24 g</p> <p>consists of: adhesive ring, body, nut, mounting screw connection</p> <p>suitable for: all electronic buttons Ø 40 mm</p> <p>When placing your order, please indicate the article numbers of the body and push button as follows: (e.g. P-325+1B = P-3251B), Please order button ring separately!</p> | P-325XX |
|  <p>Button body 341XX material: plastic fitting length: 29 mm without cable wall thickness: 2 - 12 mm drill Ø: 37 mm system of protection: IP 55 weight: 17 g</p> <p>consists of: adhesive ring, body, nut, mounting screw connection</p> <p>suitable for: all electronic buttons Ø 40 mm</p> <p>When placing your order, please indicate the article numbers of the body and push button as follows: (e.g. P-341+1B = P-3411B), Please order button ring separately!</p> | P-341XX |

| BUTTON | Order No. |
|---|---|
|  <p>Button body 346XX</p> <p>material: brass raw fitting length: 29 mm without cable wall thickness: 2 - 12 mm drill Ø: 37 mm system of protection: IP 55 weight: 130 g</p> <p>consists of: adhesive ring, body, nut, mounting screw connection</p> <p>suitable for: all electronic buttons Ø 40 mm</p> <p>When placing your order, please indicate the article numbers of the body and push button as follows: (e.g. R-346+1B = R-3461B), Please order button ring separately!</p> | R-346XX |
|  <p>Button body swivelling 326XX</p> <p>material: plastic fitting length: 48 mm without cable wall thickness: 2 - 12 mm drill Ø: 35 mm system of protection: IP 55 weight: 44 g</p> <p>consists of: button ring, adhesive ring, body, nut, mounting screw connection</p> <p>suitable for: all electronic buttons Ø 40 mm</p> <p>When placing your order, please indicate the article numbers of the body and push button as follows: (e.g. P-C-326+1B = P-C-3261B)</p> | P-W-326XX P-C-326XX |
| <div>WILL BE DISCONTINUED</div>  <p>Button body swivelling 327XX</p> <p>material: brass fitting length: 45 mm without cable wall thickness: 2 - 12 mm drill Ø: 35 mm system of protection: IP 55 weight: 525 g</p> <p>consists of: button ring, adhesive ring, body, nut, mounting screw connection</p> <p>suitable for: all electronic buttons Ø 40 mm</p> <p>When placing your order, please indicate the article numbers of the body and push button as follows: (e.g. C-327+1B = C-3271B)</p> | C-327XX B-327XX GP-327XX W-327XX |

| BUTTON | Order No. |
|--|------------|
|  <p>Flatline push button 7 functions M003681B suitable for tub wall installation</p> <p>symbol: jet, light, plus, air, minus, disinfection, refill disinfection liquid</p> <p>material: brass / plastic</p> <p>outside Ø: 65 mm</p> <p>cable length: 2 m with tin-plated line ends</p> <p>fitting length: 27 mm without cable</p> <p>wall thickness: 2 - 9 mm</p> <p>drill Ø: 60 mm</p> <p>system of protection: IP 55</p> <p>weight: 228 g</p> <p>inclusive: Flatline spacer washer M00352-1</p> <p>suitable for: electronic control panel: 230-8014A-S01</p> <p>Design and logo possible on request!</p> | C-M003681B |
|  <p>Flatline spacer washer M00352-1</p> <p>material: plastic</p> <p>outside Ø: 70 mm</p> <p>thickness: 7 mm</p> <p>weight: 17 g</p> <p>suitable for: Flatline push button: C-M003681B</p> | P-M00352-1 |

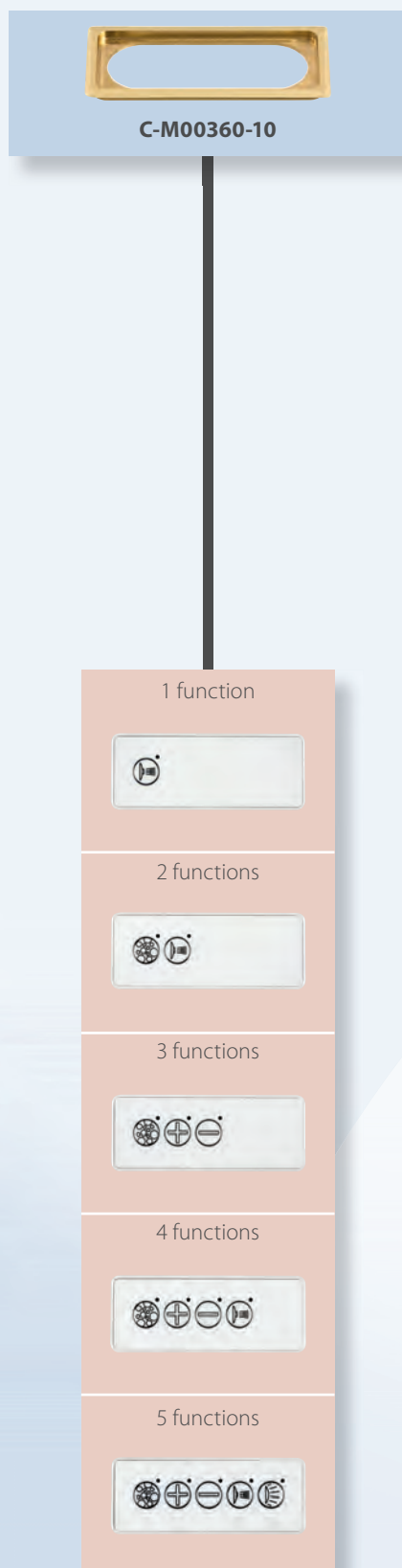
| BUTTON | Order No. | | | | | | | | | | | | | | | | |
|--|-------------------------------|-----------------|------------|-------|---------------|-------------------------------|-----------------|---------------------|-----------------|----------|----------|-------|-----------------------|-------|---------|-------|---|
| <div>WILL BE DISCONTINUED</div> <div> </div> <div> Electronic button 7 functions Ø 58 mm 3391A </div> <div> suitable for tub wall installation </div> <div> functions: jet, light, air, plus, minus, filling, dry out/rewash </div> <div> <table> <tr><td>material:</td><td>plastic</td></tr> <tr><td>outside Ø:</td><td>65 mm</td></tr> <tr><td>cable length:</td><td>2 m with tin-plated line ends</td></tr> <tr><td>fitting length:</td><td>27 mm without cable</td></tr> <tr><td>wall thickness:</td><td>2 - 9 mm</td></tr> <tr><td>drill Ø:</td><td>43 mm</td></tr> <tr><td>system of protection:</td><td>IP 55</td></tr> <tr><td>weight:</td><td>111 g</td></tr> </table> </div> <div> suitable for: electronic control panel: 230-8014A-S12 </div> <div> Design and logo possible on request! </div> | material: | plastic | outside Ø: | 65 mm | cable length: | 2 m with tin-plated line ends | fitting length: | 27 mm without cable | wall thickness: | 2 - 9 mm | drill Ø: | 43 mm | system of protection: | IP 55 | weight: | 111 g | P-W-3391A |
| material: | plastic | | | | | | | | | | | | | | | | |
| outside Ø: | 65 mm | | | | | | | | | | | | | | | | |
| cable length: | 2 m with tin-plated line ends | | | | | | | | | | | | | | | | |
| fitting length: | 27 mm without cable | | | | | | | | | | | | | | | | |
| wall thickness: | 2 - 9 mm | | | | | | | | | | | | | | | | |
| drill Ø: | 43 mm | | | | | | | | | | | | | | | | |
| system of protection: | IP 55 | | | | | | | | | | | | | | | | |
| weight: | 111 g | | | | | | | | | | | | | | | | |
| <div> </div> <div> Electronic button 7 functions Ø 58 mm 3391B </div> <div> suitable for tub wall installation </div> <div> functions: jet, light, air, plus, minus, disinfection, refill disinfection liquid </div> <div> <table> <tr><td>material:</td><td>plastic</td></tr> <tr><td>outside Ø:</td><td>65 mm</td></tr> <tr><td>cable length:</td><td>2 m with tin-plated line ends</td></tr> <tr><td>fitting length:</td><td>27 mm without cable</td></tr> <tr><td>wall thickness:</td><td>2 - 9 mm</td></tr> <tr><td>drill Ø:</td><td>43 mm</td></tr> <tr><td>system of protection:</td><td>IP 55</td></tr> <tr><td>weight:</td><td>111 g</td></tr> </table> </div> <div> suitable for: electronic control panel: 230-8014A-S01 </div> <div> Design and logo possible on request! </div> | material: | plastic | outside Ø: | 65 mm | cable length: | 2 m with tin-plated line ends | fitting length: | 27 mm without cable | wall thickness: | 2 - 9 mm | drill Ø: | 43 mm | system of protection: | IP 55 | weight: | 111 g | P-W-3391B |
| material: | plastic | | | | | | | | | | | | | | | | |
| outside Ø: | 65 mm | | | | | | | | | | | | | | | | |
| cable length: | 2 m with tin-plated line ends | | | | | | | | | | | | | | | | |
| fitting length: | 27 mm without cable | | | | | | | | | | | | | | | | |
| wall thickness: | 2 - 9 mm | | | | | | | | | | | | | | | | |
| drill Ø: | 43 mm | | | | | | | | | | | | | | | | |
| system of protection: | IP 55 | | | | | | | | | | | | | | | | |
| weight: | 111 g | | | | | | | | | | | | | | | | |
| <div>WILL BE DISCONTINUED</div> <div> </div> <div> Electronic button 7 functions Ø 58 mm 3421A </div> <div> suitable for tub wall installation </div> <div> functions: jet, light, air, plus, minus, filling, dry out/rewash </div> <div> <table> <tr><td>material:</td><td>brass / plastic</td></tr> <tr><td>outside Ø:</td><td>65 mm</td></tr> <tr><td>cable length:</td><td>2 m with tin-plated line ends</td></tr> <tr><td>fitting length:</td><td>27 mm without cable</td></tr> <tr><td>wall thickness:</td><td>2 - 9 mm</td></tr> <tr><td>drill Ø:</td><td>43 mm</td></tr> <tr><td>system of protection:</td><td>IP 55</td></tr> <tr><td>weight:</td><td>231 g</td></tr> </table> </div> <div> suitable for: electronic control panel: 230-8014A-S12 </div> <div> Design and logo possible on request! </div> | material: | brass / plastic | outside Ø: | 65 mm | cable length: | 2 m with tin-plated line ends | fitting length: | 27 mm without cable | wall thickness: | 2 - 9 mm | drill Ø: | 43 mm | system of protection: | IP 55 | weight: | 231 g | C-3421A B-3421A GP-3421A W-3421A |
| material: | brass / plastic | | | | | | | | | | | | | | | | |
| outside Ø: | 65 mm | | | | | | | | | | | | | | | | |
| cable length: | 2 m with tin-plated line ends | | | | | | | | | | | | | | | | |
| fitting length: | 27 mm without cable | | | | | | | | | | | | | | | | |
| wall thickness: | 2 - 9 mm | | | | | | | | | | | | | | | | |
| drill Ø: | 43 mm | | | | | | | | | | | | | | | | |
| system of protection: | IP 55 | | | | | | | | | | | | | | | | |
| weight: | 231 g | | | | | | | | | | | | | | | | |

| BUTTON | Order No. |
|---|---|
|  <p>Electronic button 7 functions Ø 58 mm 3421B suitable for tub wall installation</p> <p>functions: jet, light, air, plus, minus, disinfection, refill disinfection liquid</p> <p>material: brass / plastic outside Ø: 65 mm cable length: 2 m with tin-plated line ends fitting length: 27 mm without cable wall thickness: 2 - 9 mm drill Ø: 43 mm system of protection: IP 55 weight: 231 g</p> <p>suitable for: electronic control panel: 230-8014A-S01</p> <p>Design and logo possible on request!</p> | <p>C-3421B B-3421B GP-3421B W-3421B</p> |
|  <p>Remote control Various Kits available! - See chapter control panel!</p> <p>Design and logo possible on request!</p> | |

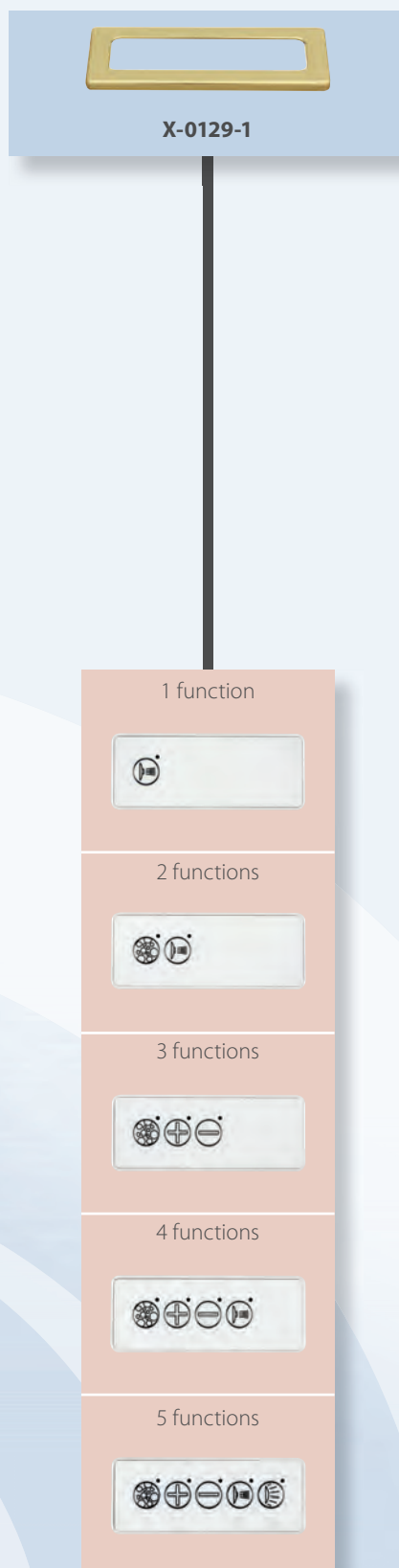
| BUTTON | Order No. |
|--|--|
|  | <p>Infrared remote control 3521A air, plus, minus, jet, plus, minus, light, stop/continue, zone roller, filling</p> <p>system of protection: IP X8 length: 94 mm width: 44 mm height: 12 mm weight: 41 g</p> <p>suitable for: infrared receiver: 012-3551B</p> <p>Design and logo possible on request!</p> |
|  <p>WILL BE DISCONTINUED</p> | <p>Infrared remote control 3521B air, plus, minus, jet, light</p> <p>system of protection: IP X8 length: 94 mm width: 44 mm height: 12 mm weight: 41 g</p> <p>suitable for: infrared receiver: 012-3551B</p> <p>Design and logo possible on request!</p> |
|  <p>WILL BE DISCONTINUED</p> | <p>Infrared remote control 3521C air, plus, minus, jet</p> <p>system of protection: IP X8 length: 94 mm width: 44 mm height: 12 mm weight: 41 g</p> <p>suitable for: infrared receiver: 012-3551B</p> <p>Design and logo possible on request!</p> |
|  | <p>Infrared remote control 3521E air, plus, minus, jet, zone roller, light, stop/continue, bluetooth, plus, minus</p> <p>system of protection: IP X8 length: 94 mm width: 44 mm height: 12 mm weight: 41 g</p> <p>suitable for: infrared receiver: 012-3551B 005-3551C</p> <p>Design and logo possible on request!</p> |
|  | <p>Infrared receiver 005-3551B infrared eye with 2 m cable to the receiver, from the receiver 0,4 m free cable end with tin-plated line ends</p> <p>line voltage: 5V DC system of protection: IP 68 weight: 83 g</p> <p>suitable for: electronic control panel: 240-8201A-S01</p> |

| BUTTON | Order No. |
|--|------------|
|  <p>Infrared receiver 3551B infrared eye with 2 m cable to the receiver, from the receiver 0,4 m free cable end with tin-plated line ends</p> <p>line voltage: 8 - 18V DC system of protection: IP 68 weight: 83 g</p> <p>suitable for: infrared remote control: 003-3521A, 003-3521B, 003-3521C, 003-3521E</p> | 012-3551B |
|  <p>Infrared receiver 3551C infrared eye with 2 m cable with tin-plated line ends</p> <p>line voltage: 5V DC system of protection: IP 68 weight: 55 g</p> <p>suitable for: electronic control panel: 240-8171A-S01</p> | 005-3551C |
|  <p>Holder for infrared remote control 3521-1</p> <p>material: plastic length: 50 mm width: 26 mm height: 45 mm weight: 13 g</p> <p>suitable for: infrared remote control: 003-3521A, 003-3521B, 003-3521C, 003-3521E</p> | P-W-3521-1 |
|  <p>Infrared eye casing click in 25191</p> <p>material: plastic fitting length: 25 mm without infrared eye wall thickness: 2,5 - 10 mm drill Ø: 10 mm weight: 3 g</p> <p>consists of: infrared eye casing, plastic nut, o-ring (10x1 mm) transparent</p> <p>suitable for: infrared receiver: 012-3551B</p> | P-25191 |

Direct Line push button - structure



Direct Line push button - structure



Please replace the X by the desired color code shown on the inside front cover legend!



Main Catalogue system components for whirlpool tubs
Technical specifications and printing errors are subject to change
without prior notification. EN2122 © Copyright reserved.

BUTTON


3651N

DIRECT LINE PUSH BUTTON 1 FUNCTION 70 X 28 MM

Order No.

cable length: 2 m with tin-plated line ends
fitting length: 36 mm with cable
LED color: red
system of protection: IP 55
weight: 48 g

| symbol | with LED |
|--------|----------|
| jet | yes |

3651N

Design and logo possible on request!

WILL BE DISCONTINUED



3651Q



3651U



3651V

DIRECT LINE PUSH BUTTON 2 FUNCTIONS 70 X 28 MM

Order No.

cable length: 2 m with tin-plated line ends
fitting length: 36 mm with cable
LED color: red
system of protection: IP 55
weight: 49 g

| symbol | with LED |
|------------------------------|----------|
| light, light - stop/continue | yes |
| air, jet | yes |
| jet, light | yes |

3651Q

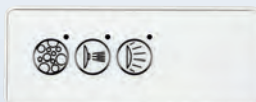
3651U

3651V

Design and logo possible on request!

BUTTON


3651O



3651L



3651K

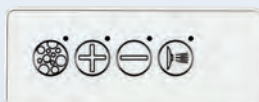
DIRECT LINE PUSH BUTTON 3 FUNCTIONS 70 X 28 MM

Order No.

cable length: 2 m with tin-plated line ends
 fitting length: 36 mm with cable
 LED color: red
 system of protection: IP 55
 weight: 50 g

| symbol | with LED | |
|-----------------------------------|----------|-------|
| air, plus, minus | yes | 3651O |
| air, jet, light | yes | 3651L |
| jet, light, light - stop/continue | yes | 3651K |

Design and logo possible on request!



3651P



3651M

DIRECT LINE PUSH BUTTON 4 FUNCTIONS 70 X 28 MM

Order No.

cable length: 2 m with tin-plated line ends
 fitting length: 36 mm with cable
 LED color: red
 system of protection: IP 55
 weight: 64 g

| symbol | with LED | |
|------------------------------|----------|-------|
| air, plus, minus, jet | yes | 3651P |
| air, jet, zone roller, light | yes | 3651M |

Design and logo possible on request!



Main Catalogue system components for whirlpool tubs
 Technical specifications and printing errors are subject to change
 without prior notification. EN2122 © Copyright reserved.

BUTTON


3651A

3651J

DIRECT LINE PUSH BUTTON 5 FUNCTIONS 70 X 28 MM

Order No.

cable length: 2 m with tin-plated line ends
fitting length: 36 mm with cable
LED color: red
system of protection: IP 55
weight: 65 g

| | symbol | with LED |
|--|--------|----------|
| air, plus, minus, jet, light | | yes |
| air, plus, minus, light, light - stop/continue | | yes |

3651A
3651J

Design and logo possible on request!



3651R

DIRECT LINE PUSH BUTTON 1 FUNCTION WITH ADDITIONAL DISPLAY 70 X 28 MM

Order No.

cable length: 2 m with tin-plated line ends
fitting length: 36 mm with cable
LED color: red
system of protection: IP 55
weight: 49 g

| | symbol | with LED |
|--|--------|----------|
| disinfection, refill disinfection liquid | | yes |

3651R

Design and logo possible on request!

BUTTON

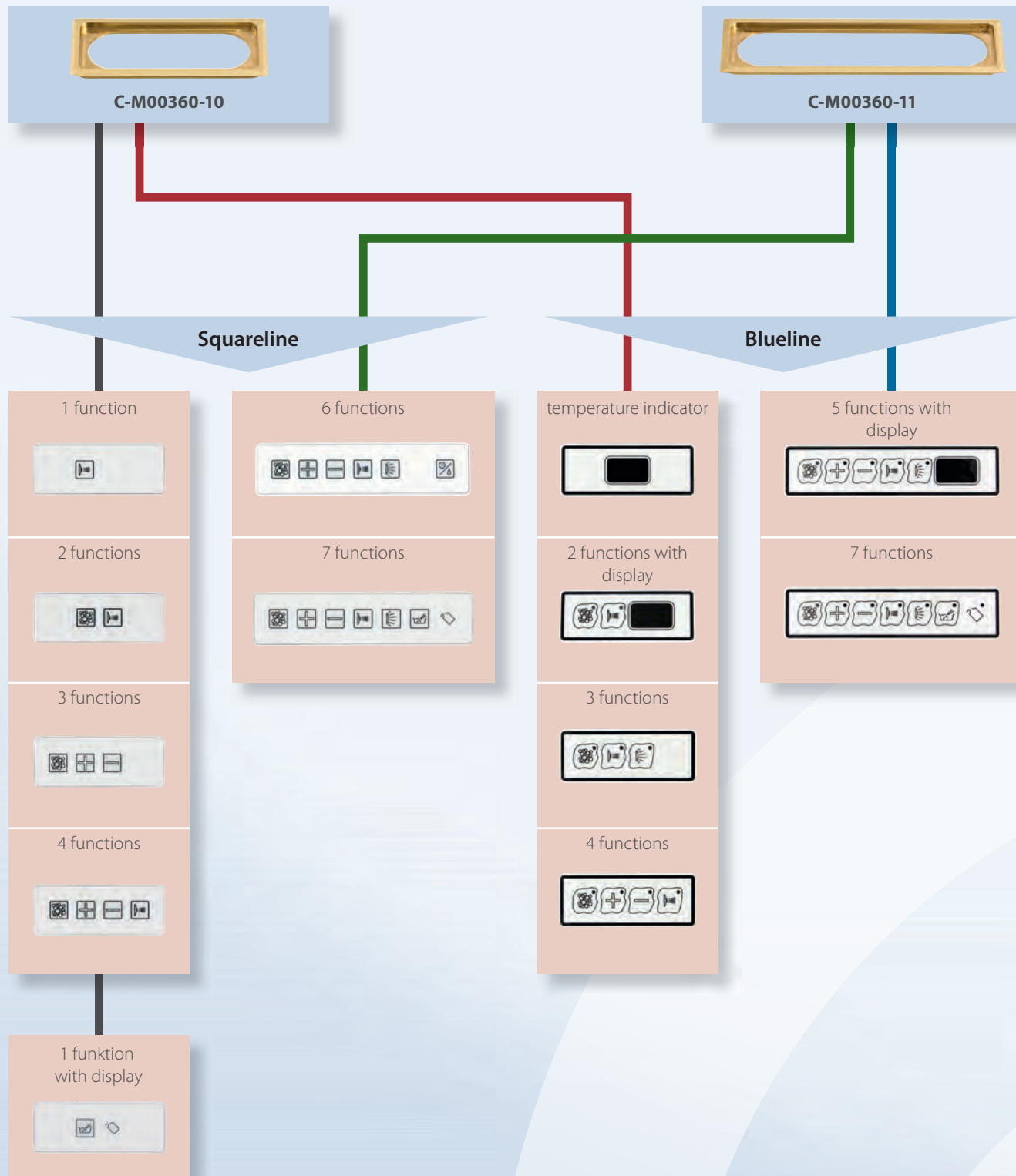




3651T

| DIRECT LINE PUSH BUTTON 4 FUNCTIONS WITH ADDITIONAL DISPLAY 70 X 28 MM | | | Order No. |
|--|--|---|-----------|
| <div><div><div>cable length:</div><div>fitting length:</div><div>LED color:</div><div>system of protection:</div><div>weight:</div></div><div><div>2 m with tin-plated line ends</div><div>36 mm with cable</div><div>red</div><div>IP 55</div><div>65 g</div></div></div> | | | |
| <div><div></div><div>jet, light, light - stop/continue, disinfection, refill disinfection liquid</div></div> | | <div><div>symbol</div><div>with LED</div><div>yes</div></div> | 3651T |
| Design and logo possible on request! | | | |

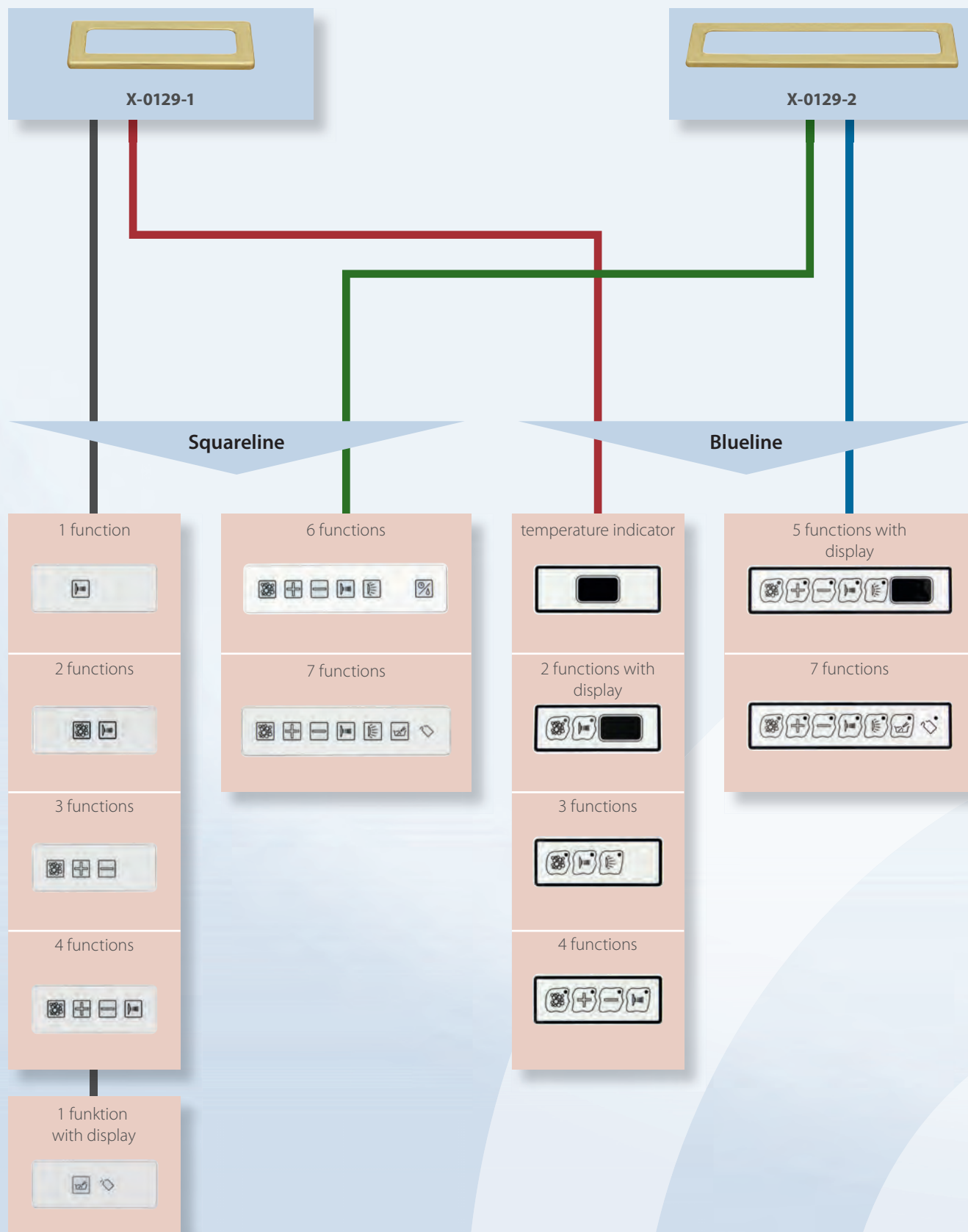


Squareline push button / Blueline capacitive push button Flatline - structure

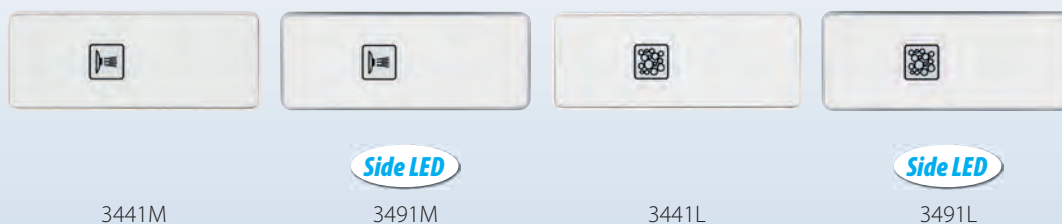


| BUTTON | Order No. |
|--|-------------|
|  <p>Flatline mounting frame for squareline button M00360-10</p> <p>material: brass length: 76.5 mm width: 34.5 mm weight: 19 g</p> <p>suitable for: Direct Line push button (70 x 28 mm) 1 to 5 functions Squareline button (70 x 28 mm) 1 to 4 functions Blueline capacitive push button (70 x 28 mm) 1 to 4 functions Blueline temperature indicator (70x28 mm) 012-3561A Blueline push button (70x28 mm) 2 to 4 functions Blueline push button with display (70x28 mm) 012-3571A</p> | C-M00360-10 |
|  <p>Flatline mounting frame for squareline button M00360-11</p> <p>material: brass length: 118.5 mm width: 34.5 mm weight: 29 g</p> <p>suitable for: Squareline button (112 x 28 mm) 6 to 7 functions Blueline capacitive push button (112 x 28 mm) 5 to 7 functions Blueline push button (112x28 mm) 5 to 7 functions Blueline push button with display (112x28 mm) 012-3541A</p> | C-M00360-11 |

Squareline push button / Blueline capacitive push button - structure



Please replace the X by the desired color code shown on the inside front cover legend!

BUTTON

SQUARELINE PUSH BUTTON 1 FUNCTION 70 X 28 MM
Order No.

cable length: 2 m with tin-plated line ends
 fitting length: 36 mm with cable
 system of protection: IP 55
 weight: 97 g

| symbol | Side LED blue |
|--------|---------------|
| jet | - |
| jet | yes |
| air | - |
| air | yes |

| |
|-------|
| 3441M |
| 3491M |
| 3441L |
| 3491L |

key back light by activated function: blue
 Design and logo possible on request!

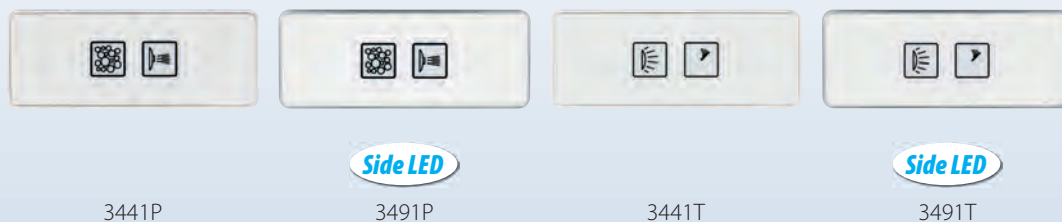
comparison of standard and Side LED version:
3441R

Side LED

3491S


Main Catalogue system components for whirlpool tubs
 Technical specifications and printing errors are subject to change
 without prior notification. EN2122 © Copyright reserved.

BUTTON



SQUARELINE PUSH BUTTON 2 FUNCTIONS 70 X 28 MM

Order No.

cable length: 2 m with tin-plated line ends
fitting length: 36 mm with cable
system of protection: IP 55
weight: 98 g

| symbol | Side LED blue | |
|----------------------|---------------|-------|
| air, jet | - | 3441P |
| air, jet | yes | 3491P |
| light, stop/continue | - | 3441T |
| light, stop/continue | yes | 3491T |

key back light by activated function: blue
Design and logo possible on request!

comparison of standard and Side LED version:

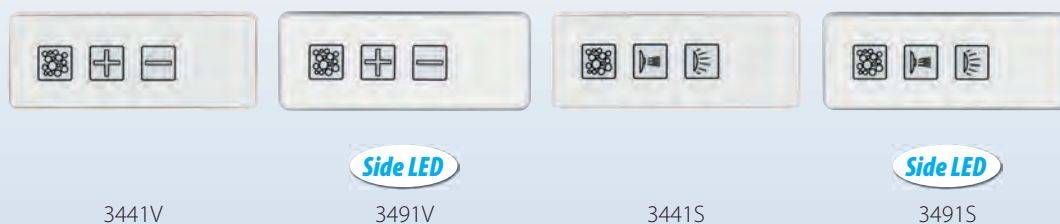
3441R



Side LED



3491S

BUTTON

SQUARELINE PUSH BUTTON 3 FUNCTIONS 70 X 28 MM
Order No.

cable length: 2 m with tin-plated line ends
 fitting length: 36 mm with cable
 system of protection: IP 55
 weight: 99 g

| symbol | Side LED blue | |
|------------------|---------------|-------|
| air, plus, minus | - | 3441V |
| air, plus, minus | yes | 3491V |
| air, jet, light | - | 3441S |
| air, jet, light | yes | 3491S |

key back light by activated function: blue
 Design and logo possible on request!

comparison of standard and Side LED version:
3441R

Side LED

3491S


Main Catalogue system components for whirlpool tubs
 Technical specifications and printing errors are subject to change
 without prior notification. EN2122 © Copyright reserved.

BUTTON



3441Q

Side LED

3491Q

SQUARELINE PUSH BUTTON 4 FUNCTIONS 70 X 28 MM

Order No.

cable length: 2 m with tin-plated line ends
fitting length: 36 mm with cable
system of protection: IP 55
weight: 100 g

| symbol | Side LED blue |
|-----------------------|---------------|
| air, plus, minus, jet | - |
| air, plus, minus, jet | yes |

3441Q
3491Q

key back light by activated function: blue
Design and logo possible on request!

comparison of standard and Side LED version:

3441R

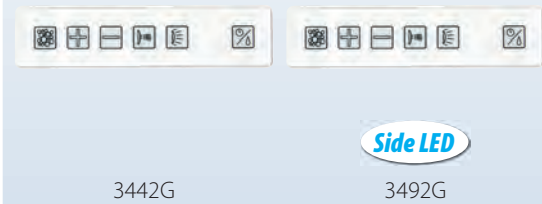


Side LED



3491S

BUTTON



SQUARELINE PUSH BUTTON 6 FUNCTIONS 112 X 28 MM Order No.

cable length: 2 m with tin-plated line ends
fitting length: 37 mm with cable
system of protection: IP 55
weight: 95 g

| symbol | Side LED blue | |
|--|---------------|-------|
| air, plus, minus, jet, light, dry out/rewash | - | 3442G |
| air, plus, minus, jet, light, dry out/rewash | yes | 3492G |

key back light by activated function: blue
Design and logo possible on request!

comparison of standard and Side LED version:



Main Catalogue system components for whirlpool tubs
Technical specifications and printing errors are subject to change
without prior notification. EN2122 © Copyright reserved.

BUTTON



Side LED

3441R

3491R

SQUARELINE PUSH BUTTON 7 FUNCTIONS 112 X 28 MM

Order No.

cable length: 2 m with tin-plated line ends
fitting length: 37 mm with cable
system of protection: IP 55
weight: 131 g

| | symbol | Side LED blue |
|--|--------|---------------|
| air, plus, minus, jet, light, disinfection, refill disinfection liquid | - | 3441R |
| air, plus, minus, jet, light, disinfection, refill disinfection liquid | yes | 3491R |

key back light by activated function: blue

Design and logo possible on request!

comparison of standard and Side LED version:

3441R





Side LED



3491S

BUTTON



3442N

Side LED

3492N

| SQUARELINE PUSH BUTTON 1 FUNCTION WITH ADDITIONAL DISPLAY 70 X 28 MM | | | | Order No. |
|--|--|--|---------------|-----------|
| cable length: 2 m with tin-plated line ends | | | | |
| fitting length: 36 mm with cable | | | | |
| system of protection: IP 55 | | | | |
| weight: 95 g | | | | |
| | | symbol | Side LED blue | |
| | | disinfection, refill disinfection liquid | - | 3442N |
| | | disinfection, refill disinfection liquid | yes | 3492N |
| key back light by activated function: blue | | | | |
| Design and logo possible on request! | | | | |

comparison of standard and Side LED version:

3441R



Side LED



3491S



| BUTTON | Order No. |
|---|-----------|
| <div>WILL BE DISCONTINUED</div> <div> </div> <div> Blue line temperature indicator 3561A </div> <div> <p> cable length: 2 m with tin-plated line ends fitting length: 41 mm with cable line voltage: 9 - 12V DC system of protection: IP 55 length: 70 mm width: 28 mm </p> </div> <div> <p>weight 130 g</p> </div> <div> Functional description: </div> <div> <p>Display of the water or cabin temperature. The temperature can be displayed in °C or °F.</p> </div> <div> suitable for: </div> <div> <p>all electronic control panels</p> </div> <div> <p>in active mode, LED display: blue</p> </div> <div> <p>Design and logo possible on request!</p> </div> <div> ATTENTION! </div> <div> <p>Temperature sensor (012-1021B) absolutely necessary! Mind the installation variation (body, immersion sleeve).</p> </div> <div> 012-3561A </div> | |
| <div> </div> <div> Blue line capacitive push button with display 2 functions 3571A </div> <div> <p> cable length: 2 m with tin-plated line ends fitting length: 41 mm with cable system of protection: IP 55 length: 70 mm width: 28 mm </p> </div> <div> <p>symbol weight air, jet 130 g</p> </div> <div> <p>in active mode, LED display: blue</p> </div> <div> <p>Design and logo possible on request!</p> </div> <div> ATTENTION! </div> <div> <p>Temperature sensor (012-1021B) absolutely necessary! Mind the installation variation (body, immersion sleeve).</p> </div> <div> 012-3571A </div> | |
| <div>WILL BE DISCONTINUED</div> <div> </div> <div> Blue line capacitive push button 3 functions 3531B </div> <div> <p> cable length: 2 m with tin-plated line ends fitting length: 41 mm with cable system of protection: IP 55 length: 70 mm width: 28 mm </p> </div> <div> <p>symbol weight air, jet, light 90 g</p> </div> <div> <p>in active mode, LED display: blue</p> </div> <div> <p>Design and logo possible on request!</p> </div> <div> 012-3531B </div> | |

| BUTTON | Order No. |
|--|-----------|
|  <p>Blueline capacitive push button bluetooth 3 functions 3531C</p> <p>cable length: 2 m with tin-plated line ends fitting length: 41 mm with cable system of protection: IP 55 length: 70 mm width: 28 mm</p> <p>symbol weight bluetooth, plus, minus 90 g</p> <p>in active mode, LED display: blue Design and logo possible on request!</p> | 012-3531C |
| <p>WILL BE DISCONTINUED</p>  <p>Blueline capacitive push button 4 functions 3531A</p> <p>cable length: 2 m with tin-plated line ends fitting length: 41 mm with cable system of protection: IP 55 length: 70 mm width: 28 mm</p> <p>symbol weight air, plus, minus, jet 90 g</p> <p>in active mode, LED display: blue Design and logo possible on request!</p> | 012-3531A |
|  <p>Blueline capacitive push button with display 5 functions 3541A</p> <p>cable length: 2 m with tin-plated line ends fitting length: 41 mm with cable system of protection: IP 55 length: 112 mm width: 28 mm</p> <p>symbol weight air, plus, minus, jet, light 136 g</p> <p>in active mode, LED display: blue Design and logo possible on request!</p> <p>ATTENTION! Temperature sensor (012-1021B) absolutely necessary! Mind the installation variation (body, immersion sleeve).</p> | 012-3541A |

| BUTTON | Order No. |
|---|---|
|  <p>Blueinline capacitive push button 7 functions 3581A</p> <p> cable length: 2 m with tin-plated line ends fitting length: 41 mm with cable system of protection: IP 55 length: 112 mm width: 28 mm </p> <p style="text-align: right;">symbol weight</p> <p style="text-align: right;">air, plus, minus, jet, light, disinfection, refill disinfection liquid 130 g</p> <p>in active mode, LED display: blue</p> <p>Design and logo possible on request!</p> | 012-3581A |
|  <p>Squareline cover 0129-1</p> <p> material: brass length: 74 mm width: 32 mm height: 3.5 mm weight: 18 g </p> <p>suitable for:</p> <p> Direct Line push button (70 x 28 mm) 1 to 5 functions Squareline button (70 x 28 mm) 1 to 4 functions Blueinline capacitive push button (70 x 28 mm) 1 to 4 functions </p> <p>ATTENTION!</p> <p>Unsuitable for variant with Side LED!</p> | C-0129-1 B-0129-1 GP-0129-1 W-0129-1 |
|  <p>Squareline cover 0129-2</p> <p> material: brass length: 116 mm width: 32 mm height: 3.5 mm weight: 27 g </p> <p>suitable for:</p> <p> Squareline button (112 x 28 mm) 6 to 7 functions Blueinline capacitive push button (112 x 28 mm) 5 to 7 functions </p> <p>ATTENTION!</p> <p>Unsuitable for variant with Side LED!</p> | C-0129-2 B-0129-2 GP-0129-2 W-0129-2 |

BUTTON
Order No.

Poolmaster

- Graphic display with a graphic menu navigation
- Customer specific versions (logo design, symbols, ...)
- Remotely controllable (via remote control)
- Configurable (various functions can be adjusted by the user)
- Acoustic feedback through signal buzzer
- Standby modus (automatically without water)
- Connection to the control panel via bus cable with plug
- Flat installation in the tub edge (installation height 3 mm)


Poolmaster 3511A-Sxx

functions:
touch function with graphic display, home button, 2 user levels, info-menu, configuration menu, real time clock, room temperature / bath water temperature, IR-receiver

symbol: arrangement on customer request possible!
cable length: 2 m with connector
installation height: 3 mm
fitting length: 33 mm without cable
system of protection: IP X5
length: 170 mm
width: 42 mm
weight: 158 g

suitable for:

electronic control panel: 240-9036A-S04, 240-9028A-S01

price exclusive software programming

3511A-SXX


Poolmaster 3511A-S01

functions:
touch function with graphic display, home button, 2 user levels, info-menu, configuration menu, real time clock, bath water temperature, IR-receiver

symbol: standby, air, plus, minus, jet, zone electronic control panel, light, disinfection, filling, info, rewash, dry out/rewash, configuration
cable length: 2 m with connector
installation height: 3 mm
fitting length: 33 mm without cable
system of protection: IP X5
length: 170 mm
width: 42 mm
weight: 158 g

suitable for:

electronic control panel: 240-9036A-S04

price exclusive software programming

3511A-S01



Main Catalogue system components for whirlpool tubs
Technical specifications and printing errors are subject to change
without prior notification. EN2122 © Copyright reserved.

BUTTON
Order No.

Whirlmaster

- 4-digit red 7 segment display
- Up to 12 buttons
- Design and software programming possible on customer request
- Configurable (various functions can be set by the user)
- Acoustic feedback through signal buzzer
- Connection to the control panel via bus cable with plug (optional parallel button interface)
- Flat installation in the tub edge (installation height 3 mm)
- Bath water temperature
- Temperature control
- Real time clock with power reserve



Whirlmaster 3671A

symbol: air, plus, minus, jet, light, disinfection, refill disinfection
 liquid, real time clock, bath water temperature
 cable length: 2 m with connector
 installation height: 3 mm
 fitting length: 33 mm without cable
 system of protection: IP X5
 length: 170 mm
 width: 42 mm
 weight: 130 g

suitable for:

electronic control panel: 240-9036A-S04

in active mode, LED display: red

ATTENTION!

Temperature sensor (012-1021B) absolutely necessary!
Mind the installation variation (body, immersion sleeve).

Design and logo possible on request!

3671A-S01

| BUTTON | Order No. |
|--|---|
| <p>WILL BE DISCONTINUED</p>  | <p>Multi button 6 functions 3161H</p> <p>symbol: light, jet, plus, minus, disinfection, refill disinfection liquid</p> <p>cable length: 2 m with tin-plated line ends fitting length: 50 mm without cable wall thickness: 2 - 40 mm drill Ø: 30 mm system of protection: IP 55 weight: 115 g</p> <p>suitable for: electronic control panel: 230-8014A-S08</p> <p>ATTENTION! Please use for the installation the milling cutter order no. WZ-300. See chapter accessories! Design and logo possible on request!</p> |
| <p>WILL BE DISCONTINUED</p>  | <p>Multi button 7 functions 3161G</p> <p>symbol: air, plus, minus, jet, light, disinfection, refill disinfection liquid</p> <p>cable length: 2 m with tin-plated line ends fitting length: 50 mm without cable wall thickness: 2 - 40 mm drill Ø: 30 mm system of protection: IP 55 weight: 115 g</p> <p>suitable for: electronic control panel: 230-8014A-S01</p> <p>ATTENTION! Please use for the installation the milling cutter order no. WZ-300. See chapter accessories! Design and logo possible on request!</p> |
| <p>WILL BE DISCONTINUED</p>  | <p>Multi button 9 functions 3161I</p> <p>symbol: air, plus, minus, light, jet, plus, minus, disinfection, refill disinfection liquid</p> <p>cable length: 2 m with tin-plated line ends (2 pcs.) fitting length: 70 mm without cable wall thickness: 2 - 40 mm drill Ø: 30 mm system of protection: IP 55 weight: 196 g</p> <p>suitable for: electronic control panel: 230-8014A-S02 with 230-8014A-S08</p> <p>ATTENTION! Please use for the installation the milling cutter order no. WZ-300. See chapter accessories! Design and logo possible on request!</p> |

| BUTTON | Order No. |
|--|-----------|
| <p>WILL BE DISCONTINUED</p>  <p>Multi button with display 7 functions 3351H-V1</p> <p>symbol: air, jet, disinfection, refill disinfection liquid, light, real time clock, room temperature / bath water temperature</p> <p>cable length: 2 m with tin-plated line ends fitting length: 50 mm without cable wall thickness: 2 - 40 mm drill Ø: 30 mm system of protection: IP 55 weight: 153 g</p> <p>suitable for: electronic control panel: 230-8014B-S01</p> <p>ATTENTION! Please use for the installation the milling cutter order no. WZ-300. See chapter accessories!</p> <p>Temperature sensor (012-1021B) absolutely necessary! Mind the installation variation (body, immersion sleeve)</p> <p>Design and logo possible on request!</p> | 3351H-V1 |
| <p>WILL BE DISCONTINUED</p>  <p>Multi button with display 7 functions 3351H-V2</p> <p>symbol: air, jet, disinfection, refill disinfection liquid, light, real time clock, room temperature / bath water temperature</p> <p>cable length: 2 m with tin-plated line ends (2 pcs.) fitting length: 70 mm without cable wall thickness: 2 - 40 mm drill Ø: 30 mm system of protection: IP 55 weight: 198 g</p> <p>suitable for: electronic control panel: 230-8014B-S01 with 230-8112A-S14, 230-8014B-S01 with 240-8132A-S01</p> <p>ATTENTION! Please use for the installation the milling cutter order no. WZ-300. See chapter accessories!</p> <p>Temperature sensor (012-1021B) absolutely necessary! Mind the installation variation (body, immersion sleeve)</p> <p>Design and logo possible on request!</p> | 3351H-V2 |
| <p>WILL BE DISCONTINUED</p>  <p>Multi button with display 9 functions 3351A</p> <p>symbol: air, plus, minus, jet, light, disinfection, refill disinfection liquid, real time clock, room temperature / bath water temperature</p> <p>cable length: 2 m with tin-plated line ends fitting length: 50 mm without cable wall thickness: 2 - 40 mm drill Ø: 30 mm system of protection: IP 55 weight: 153 g</p> <p>suitable for: electronic control panel: 230-8014A-S01</p> <p>ATTENTION! Please use for the installation the milling cutter order no. WZ-300. See chapter accessories!</p> <p>Temperature sensor (012-1021B) absolutely necessary! Mind the installation variation (body, immersion sleeve)</p> <p>Design and logo possible on request!</p> | 3351A |

| BUTTON | Order No. |
|--|--|
| <div>WILL BE DISCONTINUED</div> <div>  </div> | <p>Multi button cover 0128-1</p> <p>material: brass length: 150 mm width: 54 mm height: 5 mm weight: 25 g</p> <p>suitable for: all multi buttons</p> <p>C-0128-1 B-0128-1 GP-0128-1 W-0128-1</p> |
| <div>WILL BE DISCONTINUED</div> <div>  </div> | <p>Multi button 6 functions in the body swivelling 3281H</p> <p>symbol: light, jet, plus, minus, disinfection, refill disinfection liquid</p> <p>material: plastic cable length: 2 m with tin-plated line ends fitting length: 25 mm without cable wall thickness: 2 - 12 mm drill Ø: 35 mm system of protection: IP 55 weight: 230 g</p> <p>suitable for: electronic control panel: 230-8014A-S08</p> <p>On request also available with brass body - Price and delivery time on request! Design and logo possible on request!</p> <p>P-W-3281H P-C-3281H</p> |
| <div>WILL BE DISCONTINUED</div> <div>  </div> | <p>Multi button 7 functions in the body swivelling 3281G</p> <p>symbol: air, plus, minus, jet, light, disinfection, refill disinfection liquid</p> <p>material: plastic cable length: 2 m with tin-plated line ends fitting length: 25 mm without cable wall thickness: 2 - 12 mm drill Ø: 35 mm system of protection: IP 55 weight: 230 g</p> <p>suitable for: electronic control panel: 230-8014A-S01</p> <p>On request also available with brass body - Price and delivery time on request! Design and logo possible on request!</p> <p>P-W-3281G P-C-3281G</p> |

| BUTTON | Order No. |
|--|--------------------------------------|
| <div>WILL BE DISCONTINUED</div> <div> </div> <div> Multi button 9 functions in the body swivelling 3281I </div> <div> <p>symbol: air, plus, minus, light, jet, plus, minus, disinfection, refill disinfection liquid</p> </div> <div> <p>material: plastic cable length: 2 m with tin-plated line ends (2 pcs.) fitting length: 25 mm without cable wall thickness: 2 - 12 mm drill Ø: 35 mm system of protection: IP 55 weight: 230 g</p> </div> <div> suitable for: </div> <div> <p>electronic control panel: 230-8014A-S02 with 230-8014A-S08</p> </div> <div> <p>On request also available with brass body - Price and delivery time on request! Design and logo possible on request!</p> </div> | <p>P-W-3281I P-C-3281I</p> |
| <div>WILL BE DISCONTINUED</div> <div> </div> <div> Multi button with display 7 functions in the body swivelling 3361H-V1 </div> <div> <p>symbol: air, jet, disinfection, refill disinfection liquid, light, real time clock, room temperature / bath water temperature</p> </div> <div> <p>material: plastic cable length: 2 m with tin-plated line ends fitting length: 25 mm without cable wall thickness: 2 - 12 mm drill Ø: 35 mm system of protection: IP 55 weight: 268 g</p> </div> <div> suitable for: </div> <div> <p>electronic control panel: 230-8014B-S01</p> </div> <div> ATTENTION! </div> <div> <p>Temperature sensor (012-1021B) absolutely necessary! Mind the installation variation (body, immersion sleeve).</p> </div> <div> <p>On request also available with brass body - Price and delivery time on request! Design and logo possible on request!</p> </div> | <p>P-W-3361H-V1 P-C-3361H-V1</p> |
| <div>WILL BE DISCONTINUED</div> <div> </div> <div> Multi button with display 7 functions in the body swivelling 3361H-V2 </div> <div> <p>symbol: air, jet, disinfection, refill disinfection liquid, light, real time clock, room temperature / bath water temperature</p> </div> <div> <p>material: plastic cable length: 2 m with tin-plated line ends (2 pcs.) fitting length: 25 mm without cable wall thickness: 2 - 12 mm drill Ø: 35 mm system of protection: IP 55 weight: 313 g</p> </div> <div> suitable for: </div> <div> <p>electronic control panel: 230-8014B-S01 with 230-8112A-S14, 230-8014B-S01 with 240-8132A-S01</p> </div> <div> ATTENTION! </div> <div> <p>Temperature sensor (012-1021B) absolutely necessary! Mind the installation variation (body, immersion sleeve).</p> </div> <div> <p>On request also available with brass body - Price and delivery time on request! Design and logo possible on request!</p> </div> | <p>P-W-3361H-V2 P-C-3361H-V2</p> |

| BUTTON | Order No. |
|---|---|
| <p>Multi button with display 9 functions in the body swivelling 3361A</p> <p>symbol: air, plus, minus, jet, light, disinfection, refill disinfection liquid, real time clock, room temperature / bath water temperature</p>  <p>material: plastic cable length: 2 m with tin-plated line ends fitting length: 25 mm without cable wall thickness: 2 - 12 mm drill Ø: 35 mm system of protection: IP 55 weight: 268 g</p> <p>suitable for: electronic control panel: 230-8014A-S01</p> <p>ATTENTION! Temperature sensor (012-1021B) absolutely necessary! Mind the installation variation (body, immersion sleeve). On request also available with brass body - Price and delivery time on request! Design and logo possible on request!</p> | <p>P-W-3361A P-C-3361A</p> |
| <p>Comfort button for build in 012-3010A</p> <p>symbol: air, plus, minus, variation, interval, disinfection, refill disinfection liquid, heating, jet, plus, minus, variation, interval, light, interval, temperature / plus, temperature / minus</p>  <p>material: cover: brass body: plastic cable length: 2 m with tin-plated line ends fitting length: 75 mm without cable wall thickness: 2 - 50 mm system of protection: IP 55 weight: 370 g</p> <p>suitable for: electronic control panel set: X-230-9015B</p> | <p>C-012-3010A B-012-3010A GP-012-3010A W-012-3010A</p> |
| <p>Comfort button swivelling 012-3010B</p> <p>symbol: air, plus, minus, variation, interval, disinfection, refill disinfection liquid, heating, jet, plus, minus, variation, interval, light, interval, temperature / plus, temperature / minus</p>  <p>material: cover: brass body: brass cable length: 2 m with tin-plated line ends fitting length: 25 mm without cable wall thickness: 2 - 12 mm drill Ø: 35 mm system of protection: IP 55 weight: 1.5 kg</p> <p>suitable for: electronic control panel set: X-230-9015B</p> | <p>C-012-3010B B-012-3010B GP-012-3010B W-012-3010B</p> |

SPA LIGHT

15

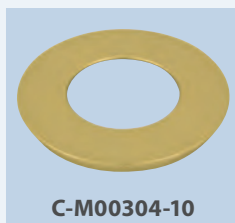


Features - Spa Light

- Wide choice of various designs, materials and light colors
- Various covers
- LED technology products and suitable controls
- Lighting of jets, air controls, buttons, etc...
- Transformers of various performance/power and versions
- Also available in flatline versions



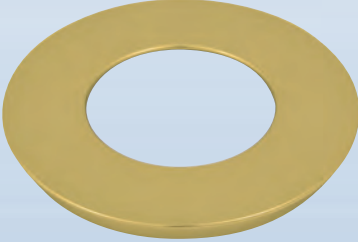
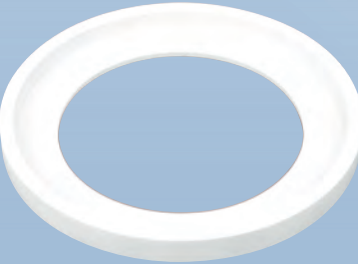
Mini LED/Mini LED RGB spa light Flatline - structure



ATTENTION!

The spacer washer needs to be used to ensure that the part is tightened well.



| SPA LIGHT | Order No. |
|--|-------------|
|  <p>Flatline ring for spa light M00304-10</p> <p>material: brass cover Ø: 53 mm drill Ø: 48 mm weight: 24 g</p> <p>suitable for: mini LED spa light: 5141-A, 5141-B, 5141-C, 5141-D, 5141-E mini LED spa light with transformer: 240-5261A, 240-5261B, 240-5261C, 240-5261D, 240-5261E mini RGB LED spa light: 012-5161A-S01, 012-5161A-S02, 012-5162A-S03, 012-5162A-S04 mini RGB LED spa light with transformer: 240-5261F-S01, 240-5261F-S02</p> | C-M00304-10 |
|  <p>Flatline spacer washer M00304-1</p> <p>material: plastic outside Ø: 55 mm thickness: 5.5 mm weight: 6 g</p> <p>suitable for: air controller lower part: P-0049-BVD, P-1049-BVD turbo air controller lower part: P-0049-10-BVD push button lower part: P-0111-BVD electronic temperature indicator: 3701A-S01, 3701B-S01 electronic temperature control device: 3701C-S01 button body: P-325XX, P-341XX, R-346XX mini LED spa light: 5141-A, 5141-B, 5141-C, 5141-D, 5141-E mini LED spa light with transformer: 240-5261A, 240-5261B, 240-5261C, 240-5261D, 240-5261E mini RGB LED spa light: 012-5161A-S01, 012-5161A-S02, 012-5162A-S03, 012-5162A-S04 mini RGB LED spa light with transformer: 240-5261F-S01, 240-5261F-S02</p> | P-M00304-1 |

Mini LED/Mini LED RGB spa light - structure



Please replace the X by the desired color code shown on the inside front cover legend!



Main Catalogue system components for whirlpool tubs
Technical specifications and printing errors are subject to change
without prior notification. EN2122 © Copyright reserved.

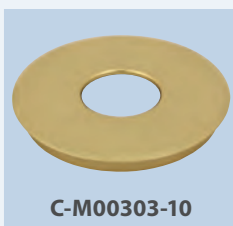
| SPA LIGHT | Order No. | | | | | | | | | | | | |
|---|-----------|--|-----------------------|-----------|-------------------------|-----------|------------------------|-----------|--------------------------|-----------|-------------------------|-----------|--|
| <div> </div> <div> </div> <div> Mini LED spa light series 5141 </div> <div> <p> material: plastic free cable end: 1.8 m with tin-plated line ends fitting length: 90 mm wall thickness: 2 - 10 mm drill Ø: 37 mm line voltage: 12V AC/DC nominal power: 3 W system of protection: IP 55 / IP X7 back side / front side weight: 93 g </p> </div> <div> <p> suitable for: ring for spa light: X-514-1, P-X-514-2 Flatline ring for spa light: C-M00304-10 </p> </div> <div> </div> <div> <table> <tr> <th>variant</th><th></th></tr> <tr> <td>fixed light color red</td><td>5141-A</td></tr> <tr> <td>fixed light color green</td><td>5141-B</td></tr> <tr> <td>fixed light color blue</td><td>5141-C</td></tr> <tr> <td>fixed light color yellow</td><td>5141-D</td></tr> <tr> <td>fixed light color white</td><td>5141-E</td></tr> </table> </div> | variant | | fixed light color red | 5141-A | fixed light color green | 5141-B | fixed light color blue | 5141-C | fixed light color yellow | 5141-D | fixed light color white | 5141-E | |
| variant | | | | | | | | | | | | | |
| fixed light color red | 5141-A | | | | | | | | | | | | |
| fixed light color green | 5141-B | | | | | | | | | | | | |
| fixed light color blue | 5141-C | | | | | | | | | | | | |
| fixed light color yellow | 5141-D | | | | | | | | | | | | |
| fixed light color white | 5141-E | | | | | | | | | | | | |
| <div> </div> <div> </div> <div> Mini LED spa light with transformer series 5261 </div> <div> <p> material: plastic free cable end: 2.8 m (1 m up to transformer then 1,8 m up to spa light) fitting length: 90 mm wall thickness: 2 - 10 mm drill Ø: 37 mm line voltage: 220 - 240V 50/60Hz nominal power: 1.5 W system of protection: IP 55 / IP X7 back side / front side weight: 233 g </p> </div> <div> <p> suitable for: ring for spa light: X-514-1, P-X-514-2 Flatline ring for spa light: C-M00304-10 </p> </div> <div> </div> <div> <table> <tr> <th>variant</th><th></th></tr> <tr> <td>fixed light color red</td><td>240-5261A</td></tr> <tr> <td>fixed light color green</td><td>240-5261B</td></tr> <tr> <td>fixed light color blue</td><td>240-5261C</td></tr> <tr> <td>fixed light color yellow</td><td>240-5261D</td></tr> <tr> <td>fixed light color white</td><td>240-5261E</td></tr> </table> </div> | variant | | fixed light color red | 240-5261A | fixed light color green | 240-5261B | fixed light color blue | 240-5261C | fixed light color yellow | 240-5261D | fixed light color white | 240-5261E | |
| variant | | | | | | | | | | | | | |
| fixed light color red | 240-5261A | | | | | | | | | | | | |
| fixed light color green | 240-5261B | | | | | | | | | | | | |
| fixed light color blue | 240-5261C | | | | | | | | | | | | |
| fixed light color yellow | 240-5261D | | | | | | | | | | | | |
| fixed light color white | 240-5261E | | | | | | | | | | | | |

| SPA LIGHT | Order No. |
|---|--------------------------------|
|   <p>Mini RGB LED spa light series 5161A-SXX</p> <p>material: plastic free cable end: 1.8 m with tin-plated line ends fitting length: 90 mm wall thickness: 2 - 10 mm drill Ø: 37 mm line voltage: 12V AC/DC nominal power: 2 W system of protection: IP 55 / IP X7 back side / front side weight: 71 g</p> <p>variant color wheel switching 7 colors are displayed behind each other color wheel changing the color wheel is passed through continuously</p> <p>suitable for: ring for spa light: X-514-1, P-X-514-2 Flatline ring for spa light: C-M00304-10</p> <p>CE</p> | 012-5161A-S01 012-5161A-S02 |
|   <p>Mini RGB LED spa light with transformer series 5261F-SXX</p> <p>material: plastic free cable end: 2.8 m (1 m up to transformer then 1,8 m up to spa light) fitting length: 90 mm wall thickness: 2 - 10 mm drill Ø: 37 mm line voltage: 220 - 240V 50/60Hz nominal power: 1.5 W system of protection: IP 55 / IP X7 back side / front side weight: 211 g</p> <p>variant color wheel switching 7 colors are displayed behind each other color wheel changing the color wheel is passed through continuously</p> <p>suitable for: ring for spa light: X-514-1, P-X-514-2 Flatline ring for spa light: C-M00304-10</p> <p>CE</p> | 240-5261F-S01 240-5261F-S02 |

| SPA LIGHT | Order No. |
|--|---|
| <div> </div> <div> </div> <div> Mini RGB LED spa light series 5162A-SXX </div> <div> <p> material: plastic free cable end: 1,8 m with tin-plated line ends fitting length: 90 mm wall thickness: 2 - 10 mm drill Ø: 37 mm line voltage: 12V AC/DC nominal power: 2 W system of protection: IP 55 / IP X7 back side / front side weight: 71 g </p> </div> <div> variant </div> <div> color wheel switching with stop function </div> <div> 7 colors are displayed behind each other </div> <div> color wheel changing with stop function </div> <div> the color wheel is passed through continuously </div> <div> 012-5162A-S03 </div> <div> 012-5162A-S04 </div> <div> suitable for: </div> <div> <p> ring for spa light: X-514-1, P-X-514-2 Flatline ring for spa light: C-M00304-10 power supply: 240-7114A </p> </div> <div> <p> Start and stop functions are operated via a 1-function button, light without LED (P-3251C). Automatic OFF-timer after 20 min. </p> </div> <div> </div> | |
| <div> </div> <div> Ring for spa light 514-2 </div> <div> <p> material: plastic cover Ø: 52 mm height: 6 mm mounting method: screw on (M 45x1,5 mm) weight: 6 g </p> </div> <div> suitable for: </div> <div> <p> mini LED spa light: series 5141, 5261 mini RGB LED spa light: series 5161A-SXX, 5162A-SXX, 5261F-SXX double LED spot: 5301A, 5301B, 5311A, 5311B </p> </div> | P-W-514-2 P-C-514-2 |
| <div> </div> <div> Ring for spa light 514-1 </div> <div> <p> material: brass cover Ø: 52 mm height: 6 mm mounting method: screw on (M 45x1,5 mm) weight: 37 g </p> </div> <div> suitable for: </div> <div> <p> mini LED spa light: series 5141, 5261 mini RGB LED spa light: series 5161A-SXX, 5162A-SXX, 5261F-SXX double LED spot: 5301A, 5301B, 5311A, 5311B </p> </div> | C-514-1 B-514-1 GP-514-1 W-514-1 |

| SPA LIGHT | Order No. |
|---|------------------------|
|  <p>LED spa light series P-T-1000X</p> <p>material: plastic free cable end: 1.8 m with tin-plated line ends fitting length: 70 mm wall thickness: 2 - 14 mm drill Ø: 51 mm line voltage: 9 - 12V AC 12V DC nominal power: 2 W 1 W system of protection: IP 45 / IP 68 back side / front side weight: 112 g</p> <p style="text-align: right;">variant fixed light color white light color RGB</p> | P-T-10001 P-T-10002 |
|  <p>LED spa light with transformer series P-T-1000X</p> <p>material: plastic free cable end: 3.3 m (1,5 m up to transformer then 1,8 m up to spa light) fitting length: 70 mm wall thickness: 2 - 14 mm drill Ø: 51 mm line voltage: 220 - 240V 50/60Hz nominal power: 1.5 W system of protection: IP 45 / IP 68 back side / front side weight: 250 g</p> <p style="text-align: right;">variant fixed light color white light color RGB</p> | P-T-10004 P-T-10005 |
|  <p>LED spa light series P-C-1000X</p> <p>material: body: plastic ring for spa light: plastic free cable end: 1.8 m with tin-plated line ends fitting length: 70 mm wall thickness: 2 - 8 mm drill Ø: 51 mm line voltage: 9 - 12V AC 12V DC nominal power: 2 W 1 W system of protection: IP 45 / IP 68 back side / front side weight: 112 g</p> <p style="text-align: right;">variant fixed light color white light color RGB</p> | P-C-10001 P-C-10002 |
|  <p>LED spa light with transformer series P-C-1000X</p> <p>material: plastic free cable end: 3.3 m (1,5 m up to transformer then 1,8 m up to spa light) fitting length: 70 mm wall thickness: 2 - 14 mm drill Ø: 51 mm line voltage: 220 - 240V 50/60Hz nominal power: 1.5 W system of protection: IP 45 / IP 68 back side / front side weight: 250 g</p> <p style="text-align: right;">variant fixed light color white light color RGB</p> | P-C-10004 P-C-10005 |

power LED spot Flatline - structure



ATTENTION!

The spacer washer needs to be used to ensure that the part is tightened well.

| SPA LIGHT | Order No. |
|---|-------------|
| <div>WILL BE DISCONTINUED</div> <div>Flatline ring for spa light M00303-10</div> <div> <p>material: brass cover Ø: 70 mm drill Ø: 64 mm weight: 72 g</p> </div> <div> <p>inclusive: teflon disc (57 x 37 x 0,5 mm)</p> </div> <div> <p>suitable for: power LED spot: 010-5201A</p> </div> <div> </div> | C-M00303-10 |
| <div>WILL BE DISCONTINUED</div> <div>Flatline spacer washer M00303-1</div> <div> <p>material: plastic outside Ø: 75 mm thickness: 9 mm weight: 21 g</p> </div> <div> <p>suitable for: power LED spot: 010-5201A</p> </div> <div> </div> | P-M00303-1 |

Power LED spot structure



X-5201-1

X-5201-2

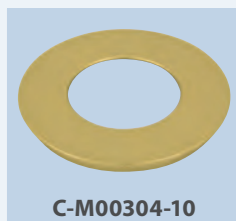


010 5201A

Please replace the X by the desired color code shown on the inside front cover legend!

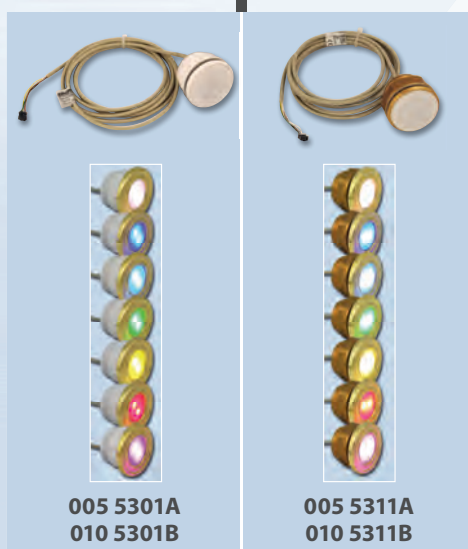
| SPA LIGHT | Order No. |
|---|---|
|  <p>Power LED Spot 5201A for color-light therapy</p> <p>material: brass free cable end: 1.8 m with connector fitting length: 62 mm wall thickness: 2 - 10 mm drill Ø: 51 mm line voltage: 10V DC nominal power: 10 W system of protection: IP 55 / IP X7 back side / front side light angle of emersion: 100° weight: 610 g</p> <p>suitable for: ring for spa light: X-5201-1, X-5201-2 Flatline ring for spa light: C-M00303-10 electronic control panel: 240-8132A-S01</p> <p>ATTENTION! Only to use under water! Dry-running protection sensor absolutely necessary!</p> <p>CE</p>  | 010-5201A |
|  <p>Ring for spa light 5201-1</p> <p>material: brass cover Ø: 64 mm height: 8 mm mounting method: screw on (M 60x1,5 mm) weight: 70 g</p> <p>inclusive: teflon disc (57 x 37 x 0,5 mm)</p> <p>suitable for: power LED spot: 5201A</p> | C-5201-1 B-5201-1 GP-5201-1 W-5201-1 |
|  <p>Ring for spa light 5201-2</p> <p>material: brass cover Ø: 64 mm height: 8 mm mounting method: screw on (M 60x1,5 mm) weight: 58 g</p> <p>inclusive: teflon disc (57 x 37 x 0,5 mm)</p> <p>suitable for: power LED spot: 5201A</p> | C-5201-2 B-5201-2 GP-5201-2 W-5201-2 |

Double LED Spot Flatline - structure

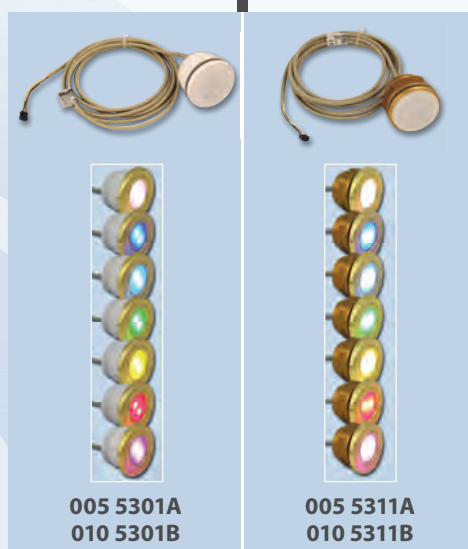


ATTENTION!

The spacer washer needs to be used to ensure that the part is tightened well.



Double LED Spot - structure



Please replace the X by the desired color code shown on the inside front cover legend!



Main Catalogue system components for whirlpool tubs
 Technical specifications and printing errors are subject to change
 without prior notification. EN2122 © Copyright reserved.

| SPA LIGHT | Order No. |
|---|-----------|
|  <p>Double LED spot 5311A for color light therapy</p> <p>material: brass free cable end: 1.8 m with connector fitting length: 29 mm without cable wall thickness: 2 - 12 mm drill Ø: 37 mm line voltage: 5V DC nominal power: 3 W system of protection: IP 55 / IP X7 back side / front side weight: 270 g</p> <p>suitable for: ring for spa light: X-514-1, P-X-514-2</p> <p>CE</p> | 005-5311A |
|  <p>Double LED spot 5311B for color light therapy</p> <p>material: brass free cable end: 1.8 m with connector fitting length: 29 mm without cable wall thickness: 2 - 12 mm drill Ø: 37 mm line voltage: 10V DC nominal power: 3 W system of protection: IP 55 / IP X7 back side / front side weight: 270 g</p> <p>suitable for: ring for spa light: X-514-1, P-X-514-2</p> <p>CE</p> | 010-5311B |
|  <p>Double LED spot 5301A for color light therapy</p> <p>material: plastic free cable end: 1.8 m with connector fitting length: 29 mm without cable wall thickness: 2 - 12 mm drill Ø: 37 mm line voltage: 5V DC nominal power: 1.5 W system of protection: IP 55 / IP X7 back side / front side weight: 70 g</p> <p>suitable for: ring for spa light: X-514-1, P-X-514-2</p> <p>CE</p> | 005-5301A |
|  <p>Double LED spot 5301B for color light therapy</p> <p>material: plastic free cable end: 1.8 m with connector fitting length: 29 mm without cable wall thickness: 2 - 12 mm drill Ø: 37 mm line voltage: 10V DC nominal power: 1.5 W system of protection: IP 55 / IP X7 back side / front side weight: 70 g</p> <p>suitable for: ring for spa light: X-514-1, P-X-514-2</p> <p>CE</p> | 010-5301B |

| SPA LIGHT | Order No. |
|---|---|
|  <p>Ring for spa light 514-2</p> <p>material: plastic cover Ø: 52 mm height: 6 mm mounting method: screw on (M 45x1,5 mm) weight: 6 g</p> <p>suitable for: mini LED spa light: series 5141, 5261 mini RGB LED spa light: series 5161A-SXX, 5162A-SXX, 5261F-SXX double LED spot: 5301A, 5301B, 5311A, 5311B</p> | P-W-514-2 P-C-514-2 |
|  <p>Ring for spa light 514-1</p> <p>material: brass cover Ø: 52 mm height: 6 mm mounting method: screw on (M 45x1,5 mm) weight: 37 g</p> <p>suitable for: mini LED spa light: series 5141, 5261 mini RGB LED spa light: series 5161A-SXX, 5162A-SXX, 5261F-SXX double LED spot: 5301A, 5301B, 5311A, 5311B</p> | C-514-1 B-514-1 GP-514-1 W-514-1 |
|  <p>B-Style RGB LED Spot 5321A</p> <p>material: plastic free cable end: 1.8 m with connector fitting length: 70 mm without cable wall thickness: 2 - 7 mm drill Ø: 43 mm line voltage: 5V DC nominal power: 5 W system of protection: IP 55 / IP X7 back side / front side weight: 135 g</p> <p>suitable for: electronic control panel: 240-8201A-S01, 240-8132A-S01, 240-9043A-SXX, 240-9043C-SXX, 240-9036A-SXX, 240-9036B-SXX</p> <p>CE </p> | 005-5321A |

| SPA LIGHT | Order No. |
|---|--------------------------------|
|  <p>B-Style RGB LED Spot 5324A</p> <p>material: plastic free cable end: 1.8 m with connector fitting length: 70 mm wall thickness: 2 - 7 mm drill Ø: 43 mm line voltage: 5V DC nominal power: 2 W system of protection: IP 55 / IP X7 back side / front side weight: 135 g</p> <p>suitable for: electronic control panel: 240-8201A-S01, 240-8132A-S01, 240-9043A-SXX, 240-9043C-SXX, 240-9036A-SXX, 240-9036B-SXX</p> <p>CE</p> | 005-5324A |
|  <p>B-Style RGB LED Spot with electronic 8216E-001</p> <p>feed cable from the electronic up to the spot: 2 m</p> <p>material: plastic line voltage: 220 - 240V 50/60Hz nominal power: 6.5 W system of protection: IP 55 cable length: 1.5 m (power) 1.5 m (free cable end for button)</p> <p>variant weight 005-5324A 490 g</p> <p>Special design on inquiry!</p> <p>CE</p> | 240-8216E-001 |
|  <p>B-Style RGB LED Spot with electronic and short stroke button with plug connector 8215E-001</p> <p>feed cable from the electronic up to the spot: 2 m</p> <p>material: plastic / stainless steel line voltage: 220 - 240V 50/60Hz nominal power: 6.5 W system of protection: IP 55 cable length: 1.5 m (power) 1.5 m (button)</p> <p>variant weight 005-5324A 570 g 005-5325A 570 g</p> <p>Special design on inquiry!</p> <p>CE</p> | 240-8215E-001 240-8215F-001 |

Order No.



feed cable from the electronic up to the spot: 2 m

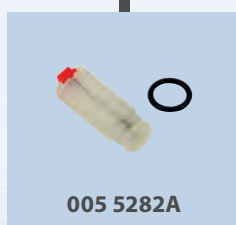
| | |
|-----------------------|---------------------------------|
| material: | plastic |
| line voltage: | 220 - 240V 50/60Hz |
| nominal power: | 6.5 W |
| system of protection: | IP 55 |
| cable length: | 1.5 m (power) 1.5 m (button) |

Special design on inquiry!



| variant | weight | |
|-----------|--------|---------------|
| 005-5324A | 560 g | 240-8213E-001 |
| 005-5325A | 560 g | 240-8213F-001 |

Effect light chain - structure



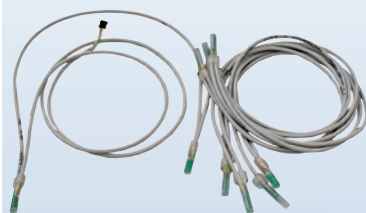
front-side exchange-
able



| SPA LIGHT | | | Order No. | | | | | | | | |
|---|--|------------|-----------|--------|-------|----|-------|-----|----|-------|--------------------------------|
|  | <p>Lens 5282-8</p> <p>material: plastic outside Ø: 17 mm mounting method: screw on (M 14x1,5 mm) key: P-M00130-50 weight: 1 g</p> <p>inclusive: o-ring (12x1,5 mm transparent)</p> <p>suitable for: lens casing: C-5282-10</p> | P-T-5282-8 | | | | | | | | | |
|  | <p>Lens casing 5282-10</p> <p>material: brass / plastic outside Ø: 27 mm fitting length: 34 mm with chain of effect lights wall thickness: 2,5 - 10 mm drill Ø: 21 mm key: N-5282-20 weight: 26 g</p> <p>consists of: body: X-5281-4 plastic nut: P-0002-2</p> <p>suitable for: chain of effect lights: 005-5282A-003, 005-5282A-004</p> | C-5282-10 | | | | | | | | | |
|  | <p>LED Individual lamp 5282A</p> <p>material: plastic line voltage: 5V DC nominal power: 250 mW weight: 2 g</p> <p>inclusive: o-ring (8x1,5 mm)</p> <p>suitable for: chain of effect lights: 005-5282A-003, 005-5282A-004</p> <p>CE</p> | 005-5282A | | | | | | | | | |
|  | <p>Effect light chain series 5282A-XXX</p> <p>feed cable with connector: 2 m up to the first light source distance between the light sources: 0,3 m</p> <p>material: plastic line voltage: 5V DC system of protection: IP 68</p> <table><tr><td>output</td><td>slot</td><td>weight</td></tr><tr><td>2.5 W</td><td>10</td><td>100 g</td></tr><tr><td>3 W</td><td>12</td><td>112 g</td></tr></table> <p>suitable for: electronic control panel: 240-8201A-S01, 240-8132A-S01, 240-9043A-SXX, 240-9043C-SXX, 240-9036A-SXX, 240-9036B-SXX</p> <p>CE</p> | output | slot | weight | 2.5 W | 10 | 100 g | 3 W | 12 | 112 g | 005-5282A-003 005-5282A-004 |
| output | slot | weight | | | | | | | | | |
| 2.5 W | 10 | 100 g | | | | | | | | | |
| 3 W | 12 | 112 g | | | | | | | | | |

SPA LIGHT
Order No.
Effect light chain series 5191

light delivery straight

feed cable with connector: 2 m up to the first light source
distance between the light sources: 0,3 m


material: plastic
line voltage: 5V DC
nominal power: 250 mW per light source
system of protection: IP 68
weight: 85 g

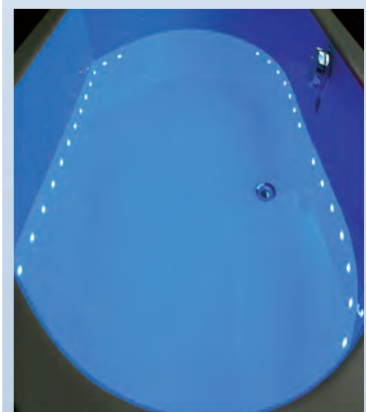
| length of the element | light sources | suitable for: | weight |
|-----------------------|---------------|----------------------|--------|
| 33 mm | 10 pcs. | lens casing click in | 100 g |
| 33 mm | 12 pcs. | lens casing click in | 118 g |

005-5191A
005-5191A-003

suitable for:

electronic control panel: 240-8201A-S01, 240-8132A-S01, 240-9043A-SXX,
240-9043C-SXX, 240-9036A-SXX, 240-9036B-SXX

Special design on inquiry!



WILL BE DISCONTINUED

Effect light chain for jets series 5192

light delivery bent

feed cable with connector: 2 m up to the first light source, distance between the
light sources: 0,6 m cable, between the 3. and 4. light source: 1,5 m cable

material: plastic
line voltage: 5V DC
nominal power: 250 mW per light source
system of protection: IP 68

| length of the element | light sources | suitable for: | weight |
|-----------------------|---------------|-------------------------------|--------|
| 40 mm | 6 pcs. | jets: P-0006-6 P-0017-6 | 45 g |

005-5192B

suitable for:

electronic control panel: 240-8201A-S01, 240-8132A-S01, 240-9043A-SXX,
240-9043C-SXX, 240-9036A-SXX, 240-9036B-SXX

Special design on inquiry!



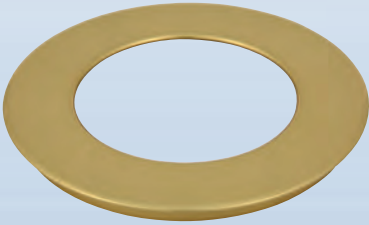
| SPA LIGHT | Order No. |
|--|---------------|
|   <p>Lighting casing with color-light therapy 005-5191</p> <p>material: plastic free cable end: 1.8 m with connector fitting length: 70 mm wall thickness: 2 - 45 mm drill Ø: 48 mm line voltage: 5V DC nominal power: 500 mW system of protection: IP 68 weight: 110 g</p> <p>suitable for: electronic control panel: 240-8201A-S01, 240-8132A-S01, 240-9043A-SXX, 240-9043C-SXX, 240-9036A-SXX, 240-9036B-SXX air controller lower part: P-X-0049-XX, X-0049-XX button lower part: P-0111-BVD, P-1111-BVD temperature indicators temperature indicators with 1 function temperature control device button body: P-325XX, P-341XX, R-346XX</p> <p>CE</p> <p>variant light color RGB</p> | 005-5191D |
|  <p>Electronic control panel type 240-8132A</p> <p>connection possibility for: different color light products (e.g. power LED spot, double LED spot, effect light, lighting casing) dry-running protection sensor button (e.g. P-3252C, P-3255I, P-3256R)</p> <p>line voltage: 220 - 240V 50/60Hz nominal power: 15 W x 2 color range: 16.777.216 colors system of protection: IP 55 weight: 1.2 kg</p> <p>variant: continuous automatic color change or 7 colors particular to choose with stop function</p> <p>CE</p> | 240-8132A-S01 |

| SPA LIGHT | | Order No. | | | | | | | | | | | | | | | |
|--|---|-----------------------|---------------|---------------|--------|-------|--------|----------------------|-------|-------|---------|----------------------|-------|-------|---------|----------------------|-------|
| <div><div></div><div><p>Electronic control panel type 240-8201A</p><p>connection possibility for: up to 4 pcs. B-Style RGB LED Spot 532XX button (z. B. P-3251C, 005-3641A)</p><p>line voltage: 100 - 240V 50/60Hz nominal power: 5 W x 4 system of protection: IP 55 weight: 415 g</p><div><div></div></div></div></div> <div><p>240-8201A-S01</p></div> | | | | | | | | | | | | | | | | | |
| <div><div></div></div> | <div><p>Effect light chain with electronic and button Ø 40 mm with plug connector 8213C-001</p><p>light delivery straight</p><p>feed cable from the electronic up to the first light source: 2 m distance between the light sources: 0,3 m, after the half amount of light sources: 1,5 m</p><p>material: plastic line voltage: 220 - 240V 50/60Hz nominal power: 6.5 W system of protection: IP 55 cable length: 1.5 m (power) 1.5 m (button)</p><table><tr><th>length of the element</th><th>light sources</th><th>suitable for:</th><th>weight</th></tr><tr><td>33 mm</td><td>8 pcs.</td><td>lens casing click in</td><td>440 g</td></tr><tr><td>33 mm</td><td>10 pcs.</td><td>lens casing click in</td><td>445 g</td></tr><tr><td>33 mm</td><td>12 pcs.</td><td>lens casing click in</td><td>450 g</td></tr></table><p>Special design on inquiry!</p><div><div></div></div></div> <div><p>240-8213C-001 240-8213C-002 240-8213C-003</p></div> | length of the element | light sources | suitable for: | weight | 33 mm | 8 pcs. | lens casing click in | 440 g | 33 mm | 10 pcs. | lens casing click in | 445 g | 33 mm | 12 pcs. | lens casing click in | 450 g |
| length of the element | light sources | suitable for: | weight | | | | | | | | | | | | | | |
| 33 mm | 8 pcs. | lens casing click in | 440 g | | | | | | | | | | | | | | |
| 33 mm | 10 pcs. | lens casing click in | 445 g | | | | | | | | | | | | | | |
| 33 mm | 12 pcs. | lens casing click in | 450 g | | | | | | | | | | | | | | |



| SPA LIGHT | | Order No. | | | | | | | | | | | | |
|---|---|---|-----------------------|---------------|--------|-------|---------|---|-------|---------------|---------|----------------------|-------|--------------------------------|
|  | Effect light chain with electronic 8216C-002 light delivery straight feed cable from the electronic up to the first light source: 2 m distance between the light sources: 0,3 m, after the half amount of light sources: 1,5 m material: plastic line voltage: 220 - 240V 50/60Hz nominal power: 6,5 W system of protection: IP 55 cable length: 1,5 m (power) 1,5 m (free cable end for infrared receiver 012 3551B) <table><tr><th>length of the element</th><th>light sources</th><th>suitable for:</th><th>weight</th></tr><tr><td>33 mm</td><td>10 pcs.</td><td>lens casing click in</td><td>440 g</td></tr><tr><td>33 mm</td><td>12 pcs.</td><td>lens casing click in</td><td>445 g</td></tr></table> Special design on inquiry! CE | length of the element | light sources | suitable for: | weight | 33 mm | 10 pcs. | lens casing click in | 440 g | 33 mm | 12 pcs. | lens casing click in | 445 g | 240-8216C-002 240-8216C-003 |
| | length of the element | light sources | suitable for: | weight | | | | | | | | | | |
| 33 mm | 10 pcs. | lens casing click in | 440 g | | | | | | | | | | | |
| 33 mm | 12 pcs. | lens casing click in | 445 g | | | | | | | | | | | |
|  | Effect light chain with electronic 8216C-004 light delivery straight feed cable from the electronic up to the first pair of light sources: 2 m distance between the light sources pairs: 0,7 m, after the half amount of light sources pairs: 1,5 m material: plastic line voltage: 220 - 240V 50/60Hz nominal power: 6,5 W system of protection: IP 55 cable length: 1,5 m (power) 1,5 m (free cable end for button) <table><tr><th>length of the element</th><th>pair of light sources</th><th>suitable for:</th><th>weight</th></tr><tr><td>33 mm</td><td>6 pcs.</td><td>lens casing click in through jet: P-0017-7</td><td>453 g</td></tr></table> Special design on inquiry! CE | length of the element | pair of light sources | suitable for: | weight | 33 mm | 6 pcs. | lens casing click in through jet: P-0017-7 | 453 g | 240-8216C-004 | | | | |
| length of the element | pair of light sources | suitable for: | weight | | | | | | | | | | | |
| 33 mm | 6 pcs. | lens casing click in through jet: P-0017-7 | 453 g | | | | | | | | | | | |

| SPA LIGHT | Order No. |
|--|--|
| <div> </div> <p>Flatline lens casing click in M00305</p> <p>material: brass / plastic outside Ø: 20 mm drill Ø: 16 mm weight: 33 g</p> <p>consists of:</p> <p>lens casing o-ring (10x1 mm) transparent lens body nut</p> <p>suitable for:</p> <p>light source for chain of effect lights: 005 5191A, 005 5191A 003</p> | <p>C-M00305</p> |
| <div> </div> <p>Lens click in 15191</p> <p>material: plastic fitting length: 25 mm without chain of effect lights wall thickness: 2,5 - 10 mm drill Ø: 10 mm weight: 3 g</p> <p>consists of:</p> <p>lens casing, plastic nut, o-ring (10x1 mm) transparent</p> <p>suitable for:</p> <p>light source for chain of effect lights: 005 5191A, 005 5191A 003</p> | <p>P-15191</p> |

| SPA LIGHT | Order No. |
|--|-----------|
|  <p>Flatline multicolor spa light with color-light therapy M00300</p> <p>material: ring for spa light: brass body: brass</p> <p>free cable end: 1.8 m with tin-plated line ends</p> <p>cover Ø: 99.5 mm</p> <p>fitting length: 85 mm</p> <p>wall thickness: 2 - 10 mm</p> <p>drill Ø: 92 mm</p> <p>line voltage: 12V AC</p> <p>nominal power: 15 W</p> <p>color range: 256 colors</p> <p>system of protection: IP 55 / IP X7 back side / front side</p> <p>weight: 821 g</p> <p>inclusive: Flatline ring for spa light C-M00300-10 Flatline spacer washer P-M00300-1</p> <p>CE</p> | C-M00300 |
|  <p>Flatline multicolor spa light with color-light therapy and stop function M00306</p> <p>material: ring for spa light: brass body: brass</p> <p>free cable end: 1.8 m with tin-plated line ends</p> <p>cover Ø: 99.5 mm</p> <p>fitting length: 85 mm</p> <p>wall thickness: 2 - 10 mm</p> <p>drill Ø: 92 mm</p> <p>line voltage: 12V AC</p> <p>nominal power: 15 W</p> <p>color range: 256 colors</p> <p>system of protection: IP 55 / IP X7 back side / front side</p> <p>weight: 839 g</p> <p>inclusive: Flatline ring for spa light C-M00300-10 Flatline spacer washer P-M00300-1</p> <p>suitable for: control panel: 230-8112A-S10</p> <p>CE</p> | C-M00306 |

| SPA LIGHT | Order No. |
|---|-------------|
|  <p>Flatline ring for spa light M00300-10</p> <p>material: brass cover Ø: 99,5 mm drill Ø: 92 mm weight: 107 g</p> <p>suitable for: Flatline multicolor spa light: C-M00300, C-M00306</p> | C-M00300-10 |
|  <p>Flatline spacer washer M00300-1</p> <p>material: plastic outside Ø: 100 mm thickness: 9 mm weight: 29 g</p> <p>suitable for: Flatline multicolor spa light: C-M00300, C-M00306</p> | P-M00300-1 |

| SPA LIGHT | Order No. |
|--|---|
|  <p>Multicolor spa light with color-light therapy 800-K</p> <p>material: ring for spa light: brass body: brass</p> <p>free cable end: 1.8 m with tin-plated line ends</p> <p>cover Ø: 90 mm</p> <p>fitting length: 85 mm</p> <p>wall thickness: 2 - 10 mm</p> <p>drill Ø: 68 mm</p> <p>line voltage: 12V AC</p> <p>nominal power: 15 W</p> <p>color range: 256 colors</p> <p>system of protection: IP 55 / IP X7 back side / front side</p> <p>weight: 786 g</p> <p>CE</p> | <p>C-800-K B-800-K GP-800-K W-800-K</p> |
|  <p>Multicolor spa light with color-light therapy and stop function 012-5131B-S01</p> <p>material: ring for spa light: brass body: brass</p> <p>free cable end: 1.8 m with tin-plated line ends</p> <p>cover Ø: 90 mm</p> <p>fitting length: 85 mm</p> <p>wall thickness: 2 - 10 mm</p> <p>drill Ø: 68 mm</p> <p>line voltage: 12V AC</p> <p>nominal power: 15 W</p> <p>color range: 256 colors</p> <p>system of protection: IP 55 / IP X7 back side / front side</p> <p>weight: 804 g</p> <p>suitable for: control panel: 230-8112A-S10</p> <p>CE</p> | <p>C-012-5131B-S01 B-012-5131B-S01 GP-012-5131B-S01 W-012-5131B-S01</p> |
|  <p>Ring for spa light 800-1</p> <p>material: brass</p> <p>cover Ø: 90 mm</p> <p>height: 10 mm</p> <p>mounting method: screw on (M 85x1,5 mm)</p> <p>weight: 101 g</p> <p>suitable for: multicolor spa light: 800-K, 012-5131B-S01</p> | <p>C-800-1 B-800-1 GP-800-1 W-800-1</p> |

| SPA LIGHT | Order No. |
|--|----------------------|
| <p>Electronic control panel type 230-8112A-SXX</p> <p>connection possibility for: dry-running protection sensor 1 pc. multicolor spa light with color-light therapy and stop function 012-5131B-S01</p> <p>line voltage: 230V 50Hz nominal power: 20 W system of protection: IP 55 weight: 1.3 kg</p> <p></p> <p></p> <p>CE</p> <p style="text-align: right;">variant operation by 2 buttons (e.g. P-3255I, P-3256R,...)</p> | <p>230-8112A-S10</p> |

Spa light - structure



Please replace the X by the desired color code shown on the inside front cover legend!



Main Catalogue system components for whirlpool tubs
Technical specifications and printing errors are subject to change
without prior notification. EN2122 © Copyright reserved.

| SPA LIGHT | | Order No. | | | | | |
|--|---|-----------|--------|--------|----------|------|-------|
|  | Spa light 5111A material: brass free cable end: 1.8 m with wire end ferrules fitting length: 60 mm wall thickness: 2 - 10 mm drill Ø: 51 mm line voltage: 12V AC system of protection: IP 55 / IP X7 back side / front side | | | | | | |
| | <table><tr><th>variant</th><th>output</th><th>weight</th></tr><tr><td>standard</td><td>20 W</td><td>710 g</td></tr></table> suitable for: ring for spa light: X-511-1, X-511-2 ATTENTION! Only to use under water! Dry-running protection sensor absolutely necessary! CE | variant | output | weight | standard | 20 W | 710 g |
| variant | output | weight | | | | | |
| standard | 20 W | 710 g | | | | | |
|  | Spa light 5113A material: brass free cable end: 1.8 m with wire end ferrules fitting length: 65 mm wall thickness: 2 - 14 mm drill Ø: 51 mm line voltage: 12V AC system of protection: IP 55 / IP X7 back side / front side | | | | | | |
| | <table><tr><th>variant</th><th>output</th><th>weight</th></tr><tr><td>standard</td><td>50 W</td><td>675 g</td></tr></table> suitable for: ring for spa light: X-700-1 ATTENTION! Only to use under water! Dry-running protection sensor absolutely necessary! CE | variant | output | weight | standard | 50 W | 675 g |
| variant | output | weight | | | | | |
| standard | 50 W | 675 g | | | | | |

| SPA LIGHT | Order No. |
|--|---|
| <div>WILL BE DISCONTINUED</div> <div> </div> <div> <p>Ring for spa light 511-1</p> <p>material: brass cover Ø: 64 mm height: 8 mm mounting method: screw on (M 60x1,5 mm) weight: 53 g</p> <p>inclusive: teflon disc (57 x 37 x 0,5 mm)</p> <p>suitable for: spa light: 012-5111A</p> </div> | C-511-1 B-511-1 GP-511-1 W-511-1 |
| <div> </div> <div> <p>Ring for spa light 511-2</p> <p>material: brass cover Ø: 64 mm height: 8 mm mounting method: screw on (M 60x1,5 mm) weight: 66 g</p> <p>inclusive: teflon disc (57 x 37 x 0,5 mm)</p> <p>suitable for: spa light: 012-5111A</p> </div> | C-511-2 B-511-2 GP-511-2 W-511-2 |
| <div> </div> <div> <p>Ring for spa light 700-1</p> <p>material: brass cover Ø: 72 mm height: 12 mm mounting method: screw on (M 65x1,5 mm) weight: 93 g</p> <p>inclusive: teflon disc (63 x 51 x 0,3 mm)</p> <p>suitable for: spa light: 012-5113A</p> </div> | C-700-1 B-700-1 GP-700-1 W-700-1 |

| SPA LIGHT | | | Order No. | | | | | | | | | | | | |
|--|--|---|-----------|--------|--------|-----------|-------|--------|-----------------------------------|------|------|-----------|------|------|--|
|  | <p>Lamp exchange set 511X-10</p> <p>consists of: glass pane, gluing seal, individual lamp, cleaning paper and instructions</p> | <table><thead><tr><th>variant</th><th>output</th><th>weight</th></tr></thead><tbody><tr><td>012-5111X</td><td>20 W</td><td>58 g</td></tr><tr><td>012-5112X</td><td>35 W</td><td>62 g</td></tr><tr><td>012-5113X</td><td>50 W</td><td>74 g</td></tr></tbody></table> | variant | output | weight | 012-5111X | 20 W | 58 g | 012-5112X | 35 W | 62 g | 012-5113X | 50 W | 74 g | <p>5111-10</p> <p>5112-10</p> <p>5113-10</p> |
| variant | output | weight | | | | | | | | | | | | | |
| 012-5111X | 20 W | 58 g | | | | | | | | | | | | | |
| 012-5112X | 35 W | 62 g | | | | | | | | | | | | | |
| 012-5113X | 50 W | 74 g | | | | | | | | | | | | | |
|  | <p>Transformer series 512XA electroplating separated safety transformer</p> <p>free cable end: 1 m at every side with wire end ferrules line voltage: 230V 50/60Hz system of protection: IP 45 output voltage: 12V AC</p> <p> </p> | <table><thead><tr><th>output</th><th>weight</th></tr></thead><tbody><tr><td>20 VA</td><td>690 g</td></tr><tr><td>50 VA</td><td>1.1 kg</td></tr></tbody></table> | output | weight | 20 VA | 690 g | 50 VA | 1.1 kg | <p>230-5121A</p> <p>230-5122A</p> | | | | | | |
| output | weight | | | | | | | | | | | | | | |
| 20 VA | 690 g | | | | | | | | | | | | | | |
| 50 VA | 1.1 kg | | | | | | | | | | | | | | |
|  | <p>Transformer series 512XB electroplating separated safety transformer</p> <p>It is possible to connect the spa light directly in the box on the transformer.</p> <p>free cable end: 1 m with wire end ferrules line voltage: 230V 50/60Hz system of protection: IP 45 output voltage: 12V AC</p> <p> </p> | <table><thead><tr><th>output</th><th>weight</th></tr></thead><tbody><tr><td>20 VA</td><td>690 g</td></tr><tr><td>50 VA</td><td>1.1 kg</td></tr></tbody></table> | output | weight | 20 VA | 690 g | 50 VA | 1.1 kg | <p>230-5121B</p> <p>230-5122B</p> | | | | | | |
| output | weight | | | | | | | | | | | | | | |
| 20 VA | 690 g | | | | | | | | | | | | | | |
| 50 VA | 1.1 kg | | | | | | | | | | | | | | |

ACCESSORY

16



whirl.rkoller.com

KOLLER *WHIRL-SYSTEMS*



Features - Accessory

- Wide range of special tools and milling cutters
- PeViCol glue – various trading units/sizes
- Wooden packing cases for whirlpools (made to measure)
- Inspection flaps
- Water inlets in various designs and materials.
- Shower partially and completely retractable.
- Deck mounted fittings.



| ACCESSORY | Order No. |
|--|------------------------|
|  <p>Flatline Water inlet 10031</p> <p>material: plastic fitting length: 50 mm wall thickness: 2 - 6 mm width: 24 mm length: 170 mm water intake: 2 x 1/2" outside thread outlet for water: free in the tub weight: 104 g</p> <p>consists of: cover (P-X-10031-2), body (P-10031-1), 2 pcs. holding bow (P-10030-4), sealing and screws</p> <p>ATTENTION! Parts are not preassembled.</p> | P-W-10031 P-C-10031 |
|  <p>Flatline water inlet M00400</p> <p>material: brass fitting length: 44 mm wall thickness: 2 - 6 mm width: 24 mm length: 170 mm water intake: 2 x 1/2" outside thread outlet for water: free in the tub weight: 570 g</p> <p>consists of: cover (C-M00400-10), body (N-M00400-11) holding bow (VZ-M00400-1), double nipple asymmetric 1/2" - 2 pcs. (N-M00400-12), various sealings and assembling auxiliaries</p> <p>ATTENTION! Parts are not preassembled.</p> | C-M00400 |
|  <p>Flatline water inlet with overflow M00401</p> <p>material: brass fitting length: 60 mm wall thickness: 2 - 8 mm width: 33 mm length: 170 mm water intake: 2 x 1/2" outside thread outlet for water: free in the tub drain thread: 5/4" outside thread with nut and sealing ring weight: 1.1 kg</p> <p>consists of: cover (C-M00401-10), body (N-M00401-11) holding bow (VZ-M00401-1), double nipple asymmetric 1/2" - 2 pcs. (N-M00400-12), threaded connection piece 5/4" (N-M00401-12), various sealings and assembling auxiliaries</p> <p>ATTENTION! Parts are not preassembled.</p> | C-M00401 |

| ACCESSORY | Order No. |
|---|----------------|
| <p>Flatline Completely retractable shower 10022 for installation at the edge of the tub</p> <p>Functional description: Completely retractable hand shower with 1,6m shower hose. By means of a locking mechanism, the hand shower can be solved from the holder or be sunk.</p>  | <p>10022</p> |
| <p>Flatline Completely retractable shower with drain of the remaining water 10022-0 for installation at the edge of the tub</p> <p>Functional description: Completely retractable hand shower with 1,6m shower hose. By means of a locking mechanism, the hand shower can be solved from the holder or be sunk.</p> <p>The delivered parts (collecting elbow, hose, evacuation connection) allow a drainage of the residual water into the overflow of the drain and overflow set.</p>  | <p>10022-0</p> |

| ACCESSORY | Order No. |
|---|-----------|
| <p>Partially retractable shower 10023 for installation at the edge of the tub</p> <p>Functional description: Partially retractable hand shower with 1,6m shower hose. The height (position of the hand shower in the holder) is adjustable when mounting.</p>  | 10023 |
| <p>Hand shower 11007 anti lime</p> <p>outside Ø: 30 mm connection: 1/2" outside thread overall length: 205 mm weight: 77 g</p> <p>symbol photo</p>  | P-C-11007 |

| ACCESSORY | Order No. |
|--|-----------|
|  <p>Deck mounted fitting – Single mixer 10025</p> <p>material: brass / plastic fitting length: 56 mm without reinforced hoses wall thickness: 2 - 24 mm drill Ø: 41 mm cover Ø: 51 mm connection: M 10x1 mm inside thread (hot water) M 10x1 mm inside thread (cold water) 3/8" inside thread (mixed water outlet) weight: 530 g</p> <p>Design and logo possible on request!</p> | C-10025 |
|  <p>Deck mounted fitting – Combi mixer 10028</p> <p>material: brass / plastic fitting length: 67 mm without reinforced hoses wall thickness: 2 - 32 mm drill Ø: 48 mm cover Ø: 58 mm connection: M 10x1 mm inside thread (hot water) M 10x1 mm inside thread (cold water) M 10x1 mm inside thread (filling) M 15x1 mm inside thread (shower) weight: 950 g</p> <p>Design and logo possible on request!</p> | C-10028 |
|  <p>Deck mounted fitting – 2 Way diverter 10027</p> <p>symbol: filling / shower</p> <p>material: brass / plastic fitting length: 56 mm without reinforced hoses wall thickness: 2 - 24 mm drill Ø: 41 mm cover Ø: 51 mm connection: M 10x1 mm inside thread (input) M 10x1 mm inside thread (filling) M 15x1 mm inside thread (shower) weight: 555 g</p> <p>Design and logo possible on request!</p> | C-10027 |

| ACCESSORY | Order No. |
|--|-------------|
|  <p>Deck mounted fitting - Armoured hose 10027-3 connection: 3/8" outside thread swivelling with sealing M 10x1 mm outside thread with o-ring length: 500 mm weight: 127 g</p> | ST-10027-3 |
|  <p>Deck mounted fitting - Shower hose 10023-3 material: brass / plastic connection: 1/2" union nut with inside thread and sealing (shower handle) M 15x1 mm outside thread turnable with sealing (mounting) length: 1600 mm weight: 230 g</p> <p>symbol photo</p> | P-C-10023-3 |
|  <p>thread reduction N-10023-4 connection: 1/2" outside thread M 15x1 mm inside thread (shower) weight: 38 g</p> | N-10023-4 |
|  <p>Deck mounted fitting - Armoured hose 10025-4 connection: 1/2" union nut with inside thread and sealing M 10x1 mm outside thread with o-ring length: 500 mm weight: 117 g</p> | ST-10025-4 |

| ACCESSORY | Order No. |
|---|-----------|
| <div>WILL BE DISCONTINUED</div>  <p>Water inlet 11501</p> <p>material: brass height: 31 mm wall thickness: 2 - 12 mm drill Ø: 22 mm width: 78 mm length: 140 mm water intake: 1/2" outside thread outlet for water: free in the tub weight: 595 g</p> <p>inclusive: 2 o-rings (21,89 x 2,62 mm) and nut</p> | C-11501 |
|  <p>Packing case for whirlpool</p> <p>Production according measurements. Please tell us the outside measurements of the tub.</p> <p style="text-align: right;">example 1900 mm x 900 mm x 800 mm</p> <p>Price on inquiry!</p> | 2217 |
|  <p>Whirlpool access panel 2227</p> <p>with ventilation screen, covers invisible service openings, with mounting devices and release prevention mechanism</p> <p>dimension: 150 x 450 mm - 500 x 1000 mm weight: 404 g</p> <p>consists of:</p> <ul style="list-style-type: none"> 2 pcs. corner supports with adjustable magnets 2 pcs. contact leaves 2 pair of hanging devices with release prevention mechanism 1 tube special silicon adhesive 2 pcs. support plates (aluminium) à 80 x 300 mm 1 pc. opening cord 1 pc. ventilation grid (80 x 300 mm) 1 pc. assembly | 2227 |
|  <p>Whirlpool access panel 2227-1</p> <p>with ventilation screen, covers invisible service openings, to be used also without frame, taking the magnet-holders - for all tile sizes, special sizes, marble tiles,...</p> <p>dimension: 450 x 450 mm - 500 x 1000 mm weight: 1 kg</p> <p>consists of:</p> <ul style="list-style-type: none"> 4 pcs. plastic angles with mounted magnet-holders - adjustable 4 pcs. plastic strips 4 pcs. stainless-steel fasteners with magnets - adjustable 1 pc. metal plate - slotted 1 pc. ventilation grid white (80 x 300 mm) 1 pc. opening suction gripper 1 pc. assembly instruction | 2227-1 |

| ACCESSORY | Order No. |
|---|---------------------------------------|
|  <p>Aromatherapy container inclusive inside container P-X-2220</p> <p>material: cover: plastic container: plastic</p> <p>variant: safety lock</p> <p>fitting length: 85 mm</p> <p>wall thickness: 2 - 12 mm</p> <p>check valve: integrated (WV-WP-00219)</p> <p>drill Ø: 48 mm</p> <p>weight: 99 g</p> <p>installation: In the air channel, from the air controller at the side in the container. Outlet below leads to the jets.</p> | P-W-2220 P-C-2220 |
|  <p>Aromatherapy container inclusive inside container X-2220</p> <p>material: cover: brass / plastic container: plastic</p> <p>variant: safety lock</p> <p>fitting length: 85 mm</p> <p>wall thickness: 2 - 12 mm</p> <p>check valve: integrated (WV-WP-00219)</p> <p>drill Ø: 48 mm</p> <p>weight: 222 g</p> <p>installation: In the air channel, from the air controller at the side in the container. Outlet below leads to the jets.</p> | C-2220 B-2220 GP-2220 W-2220 |
|  <p>Inside container for aromatherapy container 7023 for pre-filling of the liquids</p> <p>material: plastic</p> <p>variant: screw cap</p> <p>weight: 8 g</p> | P-7023 |
|  <p>Aroma liquid set 7026 with 8 small bottles each 20 ml</p> <p>weight: 521 g</p> <p>consists of: euca-menthol, eucalyptus, jasmine, lavender, rosemary, mixture of grasses, mountain jaw, EnglishRose</p> | 7026 |






| ACCESSORY | Order No. | | | | | | |
|--|---|--------|--------------|--------|--------------|--------|------------------|
|  <p>Therapy jet 0100 length: 1.3 m weight: 670 g</p> <p>suitable for: mini jet body: N-0164-11, N-0166-11</p> | C-0100 B-0100 GP-0100 W-0100 | | | | | | |
|  <p>Therapy jet 0100-1 length: 1.3 m weight: 670 g</p> <p>suitable for: midi jet body: P-0164-13, N-0164-13, P-0164-11, P-0164-2, P-0164-3</p> | C-0100-1 B-0100-1 GP-0100-1 W-0100-1 | | | | | | |
|  <p>Handle Apollo 633-2 material: brass quantity: 2 pieces weight: 1.2 kg</p> <p>inclusive: assembling auxiliaries</p> | C-633-2 B-633-2 GP-633-2 W-633-2 | | | | | | |
| <div>WILL BE DISCONTINUED</div>  <p>Magic tube foot rest series 4862 material: brass / plastic</p> <table> <thead> <tr> <th>length adjustable</th><th>weight</th></tr> </thead> <tbody> <tr> <td>480 - 620 mm</td><td>1.5 kg</td></tr> <tr> <td>630 - 820 mm</td><td>1.6 kg</td></tr> </tbody> </table> <p>Suitable for installation over midi or mini jet balls, but not for roly jet.</p> | length adjustable | weight | 480 - 620 mm | 1.5 kg | 630 - 820 mm | 1.6 kg | C-4862 C-6382 |
| length adjustable | weight | | | | | | |
| 480 - 620 mm | 1.5 kg | | | | | | |
| 630 - 820 mm | 1.6 kg | | | | | | |
| <div>WILL BE DISCONTINUED</div>  <p>Adhesive flange for magic tube 4862-1 to use in tubs without Whirlpool system</p> <p>material: plastic quantity: 2 pieces weight: 36 g</p> <p>Place the adhesive flange at the requested position of the tub and click the foot rest into place.</p> | P-4862-1 | | | | | | |

| ACCESSORY | Order No. |
|---|-------------|
|  <p>Flatline key M00250-50 for: suction: C-M00250, C-M00251, C-M00252, C-M00253</p> <p>weight: 123 g</p> | P-M00250-50 |
|  <p>Flatline key M00260-50 for: micro multi jet: C-M00260, C-M00261</p> <p>weight: 72 g</p> | P-M00260-50 |
|  <p>Flatline key M00130-50 for: micro inner part: C-M00130-21, C-M00130-22 magic inner part: P-X-M00150-1 inner part: C-M00172-20</p> <p>weight: 49 g</p> | P-M00130-50 |
|  <p>Flatline key M00112-50 for: midi inner part ring: C-M00112-20</p> <p>weight: 90 g</p> | P-M00112-50 |

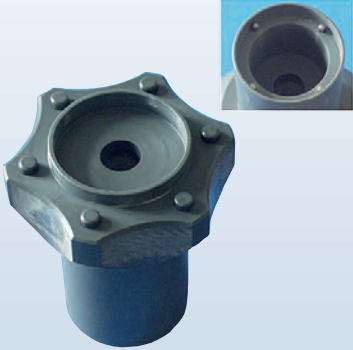


| ACCESSORY | Order No. |
|---|-------------|
|  <p>Flatline key M00111-50 for: midi click in jet body: C-M00111-10 weight: 148 g</p> | P-M00111-50 |
|  <p>Flatline key M00230-50 for: super jet small jet body: C-M00230-10, C-M20230-10 weight: 177 g</p> | P-M00230-50 |
|  <p>Flatline key M00240-50 for: super jet jet body: C-M00240-10 weight: 195 g</p> | P-M00240-50 |
|  <p>Flatline key M00172-50 for: air jet inner part: P-X-M00171-1, C-M00171-20 inner part: P-X-0300-1-1, P-X-0301-1-1, P-X-0305-1-1 inner part: C-M00172-20 inner part shower jet: P-X-M00191-22 weight: 10 g</p> | P-M00172-50 |

| ACCESSORY | Order No. |
|---|-------------|
|  <p>Flatline key M00112-51 for: midi inner part ring: P-X-M00112-21, C-M00112-21</p> <p>weight: 115 g</p> | P-M00112-51 |
|  <p>Flatline key M00130-51 for: micro inner part: C-M00130-23 plastic ring: P-11015-11</p> <p>weight: 45 g</p> | P-M00130-51 |
|  <p>Flatline key M00254-50 for: vacuum body: C-M00254-10, C-M00255-10</p> <p>weight: 195 g</p> | P-M00254-50 |
|  <p>Flatline key M00130-52 for: micro inner part: C-M00130-24 plastic ring: P-1005-23</p> <p>weight: 46 g</p> | P-M00130-52 |



| ACCESSORY | Order No. |
|---|-------------|
|  <p>Key 0143-11 for: micro cover: X-1005-1, P-X-1005-5, P-X-1005-7, P-X-3005-8, P-X-1005-9, P-X-1005-60, P-X-3005-4, P-X-11015, P-X-11015-R, P-X-11016, P-X-11016-R, X-1005-5, P-X-1005-2 midi cover: P-X-0030-30, P-X-0030-10-6, P-X-0030-10-7, P-X-0030-10-9, X-0030-10 mini cover: P-X-0030-10, P-X-0030-10-8, X-0035-10, X-0036-10 future cover micro: P-X-1005-70-4, P-X-1005-70-5, X-1018-D, X-1017-D future cover midi: P-X-0033, X-0032-7 future cover mini: P-X-0032 air jet cap: P-X-0139, P-X-0145, P-X-0137, X-0131, X-0137, X-0132, ST-0139, P-X-0130, X-0130, P-X-0142-2, P-X-0142-2-3, P-X-0142-2-4, P-X-0142-2-5, P-X-0142-2-6 X-0142-2-3, X-0142-2-4, X-0142-2-5, X-0134-1 push button cover: P-X-0111-1-2, P-X-0049-8, X-0111-1-2, X-0049-8 button ring: P-X-0120, X-0120-1, P-X-0121-1, X-0121-1 ring for spa light: P-X-514-2, X-514-1, X-5201-1, X-5201-2, X-511-1, X-511-2</p> <p>weight: 116 g</p> | P-0143-11 |
|  <p>Key 0121-4-20 for button body swivelling</p> <p>weight: 132 g</p> | P-0121-4-20 |
|  <p>Key 0143-1 for: midi jet body: P-0164-13, N-0164-13 mini jet body: P-0164-X, N-0164-11, N-0166-11, N-0166-12 jet: P-X-3018, P-X-3019, X-3618, X-3619 Flatline midi click in cluster jet body: C-M20111-10</p> <p>weight: 241 g</p> | N-0143-1 |
|  <p>Key 0143-10 for: midi jet body: P-0164-13, N-0164-13 mini jet body: P-0164-X, N-0164-11, N-0166-11, N-0166-12 jet: P-X-3018, P-X-3019, X-3618, X-3619</p> <p>weight: 86 g</p> | P-0143-10 |

| ACCESSORY | Order No. |
|---|-----------|
|  <p>Key 0145 for: micro jet body: P-1005-XX, N-1005-XX micro click in jet body: P-0250-20 magic jet body: P-1005-XX, N-1005-XX</p> <p>wrench size: 10 mm weight: 214 g</p> | N-0145 |
|  <p>Key 0144 for: air jet body: P-0139-XX, R-0131-XX, N-0131-XX, P-0130-22, R-0130-XX, N-0130-XX shower jet body: P-1102-X micro jet body: P-2601212-XX, N-2601212-XX double nipple: 11401 magic jet body: N-0028</p> <p>wrench size: 12 mm weight: 297 g</p> | N-0144 |
|  <p>Key 0146 for: air controller: X-0056-2</p> <p>weight: 81 g</p> | N-0146 |
|  <p>Key 0520 for: vacuum connection part: P-5012</p> <p>weight: 136 g</p> | P-0520 |
|  <p>Key 0147 for: vacuum connection part: P-4013, P-5013</p> <p>weight: 119 g</p> | P-0147 |





| ACCESSORY | Order No. |
|---|-----------|
|  <p>Key 0148 for: valve face brass: X-0078-4, X-0078-5</p> <p>weight: 120 g</p> | P-0148 |
|  <p>Key 0149 for: valve face plastic: P-X-0088-24-1, P-X-0088-24-2</p> <p>weight: 116 g</p> | P-0149 |
|  <p>Key 0142 for: sieve: P-W-0075-1, C-0078-XX</p> <p>weight: 137 g</p> | P-0142 |
|  <p>Key 0401-20 for: midi click in jet body: P-0507-4</p> <p>weight: 123 g</p> | P-0401-20 |
|   <p>Key 0504-20 for: super jet body: P-X-0504-6</p> <p>weight: 231 g</p> <p>suitable for installation of the jet inserts P-X-0504-XX, except P-W-0504-34</p> | P-0504-20 |

| ACCESSORY | Order No. |
|--|-----------|
|  <p>Key 0506-20 for: super jet small jet body: P-X-0505-6</p> <p>weight: 238 g</p> <p>suitable for installation of the jet inserts P-X-0504-XX, except P-W-0504-34</p> | P-0506-20 |
|  <p>Key 1012-20 for: optical dry-running protection sensor (d.r.p.s.): 012-1031-X, X-012-1031-X-1</p> <p>weight: 120 g</p> | P-1012-20 |
|  <p>Key 242-20 for: magic covers: P-X-242, P-X-243, P-X-246, X-242, X-244</p> <p>weight: 102 g</p> | P-242-20 |
|  <p>Key 0601-20 for: turbo jet jet insert: P-W-0601-30</p> <p>weight: 130 g</p> | P-0601-20 |
|  <p>Universal key for drain and overflow 0188-20 for: valve face: P-X-0088-24-1, P-X-0088-24-2, X-0078-4, X-0078-5 sieve: P-W-0075-1, C-0078-XX ring and screw: P-X-0089-7-8, X-0078-2 star wheel: P-C-0088-5, P-C-0088-6, C-0088-5 valve face with stopper snap-in mechanism: P-X-0078-23 valve face for stopper with snap-in mechanism: P-X-0078-16, X-0078-16</p> <p>weight: 34 g</p> | P-0188-20 |

| ACCESSORY | Order No. |
|---|--------------|
|  <p>Key WZ-0146-20 for: air jet body: N-0146-XX, N-0134-XX screw: VZ-69121020, VZ-9121020</p> <p>wrench size: 8 mm weight: 102 g</p> | WZ-0146-20 |
|  <p>Key WZ-2017-20 for: Midi C-Tech connection part: P-2017-1</p> <p>wrench size: TX50</p> <p>weight: 152 g</p> | WZ-2017-20 |
|  <p>Dismantling key 0030-10-20 for: midi and mini click in cover with ball P-X-0030-11, X-0161</p> <p>weight: 24 g</p> | P-0030-10-20 |
|  <p>Dismantling key 0250-1-20 for: micro click in cover: P-X-0250-100, P-X-0260-1 except P-X-0251-100</p> <p>weight: 14 g</p> | P-0250-1-20 |
|  <p>Key WZ-1007-20 for: micro c-tech connection part: P-1007-1</p> <p>wrench size: 5 mm weight: 85 g</p> | WZ-1007-20 |

| ACCESSORY | Order No. |
|---|-------------|
|  <p>Key 2017-20 for: Midi C-Tech connection part: P-2017-1 wrench size: TX50 weight: 22 g</p> | P-2017-20 |
|  <p>Key P-0088-5-20 weight: 126 g suitable for: star wheel: P-C-0088-5, P-C-0088-6, C-0088-5</p> | P-0088-5-20 |
|  <p>Key 5282-20 for: lens casing: C-5282-10 weight: 168 g</p> | N-5282-20 |
|  <p>Turner for nuts WZ-1117 for: hose band clip: 1117 weight: 101 g</p> | WZ-1117 |



| ACCESSORY | Order No. |
|--|-----------|
|  <p>Pincers for one ear hose clip WZ-2103 for: one ear hose clip: VZ-11703, VZ-12103, ST-2103, VZ-13303, VZ-12503</p> <p>weight: 321 g</p> | WZ-2103 |
|  <p>Nippers for hose cutting WZ-0010 for: hoses up to Ø 40 mm</p> <p>weight: 442 g</p> <p>ATTENTION! Not suitable for cartridge hoses symbol photo</p> | WZ-0010 |
|  <p>Nippers for hose cutting WZ-0013 for: cartridge hoses up to outside diameter 16 mm</p> <p>weight: 32 g</p> | WZ-0013 |
|  <p>Milling cutter for multi button WZ-300 weight: 709 g</p> | WZ-300 |

| ACCESSORY | Order No. |
|---|---|
| <div>Milling cutter</div> <div> </div> <div> arbor Ø 6 mm cutter Ø 21 mm suitable for: whisper jet body: series 076X-04, 0763-XX nano jet: series 0764-X weight: 45 g </div> <div> arbor Ø 12 mm cutter Ø 32 mm suitable for: air jet body: series 0146-XX, 0134-XX air jet: X-0234-122, X-0234-132 weight: 320 g </div> <div> arbor Ø 16 mm cutter Ø 32 mm suitable for: air jet body: series 0142-1-3, 0138-XX weight: 350 g </div> <div> arbor Ø 21,5 mm cutter Ø 46 mm suitable for: air jet body: series 0139-XX, R-0131-XX, N-0131-XX, R-0130-XX, N-0130-XX, P-0130-22 button body: P-326XXXX air controller lower part: N-0048-5 filling for disinfection shower jet: X-1019-D-15, X-1020-D-06, X-2019-D-15, X-2219-D-15, X-3219-D-15 weight: 405 g </div> <div> arbor Ø 23 mm cutter Ø 46 mm suitable for: micro jet body: series P-1005-XX, N-1005-XX micro click in jet body: P-0250-20 magic jet jet body: series P-1005-XX, N-1005-XX, N-0028 shower jet body: series P-1102 weight: 420 g </div> <div> arbor Ø 26 mm cutter Ø 46 mm suitable for: micro jet body: series P-2601212-XX, N-2601212-XX weight: 450 g </div> <div> arbor Ø 34 mm cutter Ø 46 mm suitable for: button body swivelling: P-X-326XX, X-327XX multi button: P-X-3281H, P-X-3281G, P-X-3281I, P-X-3281V, P-X-3361H-V1, P-X-3361H-V2, P-X-3361A comfort button swivelling: X-012-3010B steam jet: P-W-901 weight: 545 g </div> <div> arbor Ø 36 mm cutter Ø 46 mm suitable for: push button lower part: P-0111-BVD air controller lower part: P-0049-BVD, P-1049-BVD turbo air controller lower part: P-0049-10-BVD button body: P-325XX, P-341XX, R-346XX mini LED spa light: series 5141, 5261, 5161A-SXX, 5261F-SXX, 5162A-SXX weight: 685 g </div> <div> arbor Ø 40,5 mm cutter Ø 68 mm suitable for: midi click in jet body: P-0507-4 midi jet body: P-0164-13, N-0164-13 mini jet body: series 0164-X, 016X-11, 0166-12 weight: 1,3 kg </div> <div> arbor Ø 43 mm cutter Ø 54 mm suitable for: shower jet body: P-1106-2-4, P-1106-1-4, P-1106-210-4 midi clip jet: P-12120 combi button: P-X-0112, P-X-0114, P-X-3092A combi button lower part: P-0112-BVD, P-3091A-BVD, P-3092A-BVD electronic button 7 functions: P-W-3391A, P-W-3391B, X-3421A, X-3421B weight: 935 g </div> <div> arbor Ø 43 mm cutter Ø 68 mm suitable for: midi c-tech jet body: P-2017-11 weight: 1,3 kg </div> | <div>WZ-060</div> <div>WZ-120</div> <div>WZ-160</div> <div>WZ-215</div> <div>WZ-230</div> <div>WZ-260</div> <div>WZ-340</div> <div>WZ-360</div> <div>WZ-405</div> <div>WZ-430</div> <div>WZ-430-1</div> |

| ACCESSORY | Order No. |
|--|--|
|  <p>Nest for hole saw small WZ-A27 suitable up to 30 mm diameter of the hole saw</p> <p>weight: 69 g</p> | WZ-A27 |
|  <p>Hole saw small</p> <p>Ø 16 mm suitable for: Flatline lens casing click in: M00305 air jet body with check valve: series 0138-XX body for temperature sensor: N-1021-10 weight: 22 g</p> <p>Ø 21 mm suitable for: lens casing: C-5282-10 weight: 40 g</p> <p>Ø 22 mm suitable for: air jet body: series P-0130-22, R-0130-XX, N-0130-XX, R-0131-XX, N-0131-XX, P-0139-XX button body: P-326XXXX air controller lower part: N-0048-5 filling for disinfection shower jet: X-1019-D-15, X-1020-D-06, X-2019-D-15, X-2219-D-15, X-3019-D-15, X-3219-D-15 Flatline micro multi jet: C-M00260, C-M00261-X Flatline multi jet body: C-M00172-XX, C-M00175-XX dry-running protection sensor: X-012-1031A, X-012-1031A-1 optical level indicator sensor: X-012-1031B, X-012-1031B-1 piezo button: 005-3631A weight: 58 g</p> <p>Ø 24 mm suitable for: micro jet body: series P-1005-XX, N-1005-XX micro click in jet body: P-0250-20 micro c-tech jet body: P-1007-11 magic jet jet body: series P-1005-XX, N-1005-XX, N-0028 shower jet body: P-1102, P-1102-2, P-1102-1 Flatline magic jet body: C-M00150-XX weight: 65 g</p> <p>Ø 27 mm suitable for: micro jet body: series P-2601212-XX, N-2601212-XX weight: 72 g</p> | <p>WZ-16</p> <p>WZ-21</p> <p>WZ-22</p> <p>WZ-24</p> <p>WZ-27</p> |
|  <p>Nest for hole saw large WZ-A35 suitable from 32 mm diameter of the hole saw</p> <p>weight: 234 g</p> | WZ-A35 |

| ACCESSORY | | Order No. |
|---|---|-----------|
|  | Hole saw large 30 - 43 mm | |
| | Ø 30 mm suitable for: multi button: 3161H, 3161G, 3161I, 3361V, 3351H-V1, 3351H-V2, 3351A weight: 99 g | WZ-30 |
| | Ø 35 mm suitable for: button body swivelling: P-X-326XX, X-327XX multi button: P-X-3281H, P-X-3281G, P-X-3281I, P-X-3281V, P-X-3361H-V1, P-X-3361H-V2, P-X-3361A comfort button swivelling: X-012-3010B steam jet: P-W-901 weight: 92 g | WZ-35 |
| | Ø 37 mm suitable for: push button lower part: P-0111-BVD air controller lower part: P-0049-BVD, P-1049-BVD turbo air controller lower part: P-0049-10-BVD button body: P-325XX, P-341XX, R-346XX mini LED spa light: series 5141, 5261, 5161A-SXX, 5261F-SXX, 5162A-SXX air controller: P-X-0049-13, P-X-0049 electronic temperature indicator: 3321A-S01 electronic temperature indicator with 1 function: 3321B-S01 electronic temperature control device: 3321C-S01 double LED Spot: 010-53X1B, 005-53X1A weight: 101 g | WZ-37 |
| | Ø 40 mm suitable for: comfort button for build in: X-012-3010A Flatline midi click in jet body: C-M10111-10 Flatline midi jet body : C-M10112-10 weight: 99 g | WZ-40 |
| | Ø 41 mm suitable for: midi click in jet body: P-0507-4 midi jet body: P-0164-13, N-0164-13 mini jet body: series 0164-X, 016X-11, 0166-12 Flatline midi click in jet body: C-M00111-10 Flatline midi jet body : C-M00112-10 Flatline midi click in cluster jet body: C-M20111-10 Flatline midi cluster jet body: C-M20112-10 weight: 84 g | WZ-41 |
| | Ø 43 mm suitable for: jet body: P-1106-2-4, P-1106-1-4, P-1106-210-4 midi c-tech jet body: P-2017-11 midi clip jet: P-12120 combi button: P-X-0112, P-X-0114, P-X-3092A combi button lower part: P-0112-BVD, P-3091A-BVD, P-3092A-BVD, P-0112-21-BVD electronic button 7 functions: P-W-3391A, P-W-3391B, X-3421A, X-3421B connection body for pneumatic button : P-0112-24 connection body for electronic button: P-0112-23 B-Style RGB LED Spot: 005-532XA C-Style RGB LED Spot: 012-5341A, 240-5341A weight: 107 g | WZ-43 |
| | | |
| | | |
| | | |

| ACCESSORY | | Order No. |
|---|---|-----------|
|  | Hole saw large 46 - 92 mm | |
| | Ø 46 mm suitable for: Flatline push button cover: C-M00355-10 weight: 101 g | WZ-46 |
| | Ø 48 mm suitable for: flushing system: P-X-230-6031A, X-230-6031A lighting casing: 012-5191E, 012-5191F, 012-5191G, 005-5191D aromatherapy container: P-X-2220, X-2220 Flatline suction: C-M00253, C-M00251 Flatline ring for spa light: C-M00304-10 weight: 126 g | WZ-48 |
| | Ø 51 mm suitable for: vacuum connection part: P-4013 drain and overflow set power LED spot: 010-5201A spa light: series 5111/5112, 5113 LED spa light: P-X-1000X weight: 138 g | WZ-51 |
| | Ø 54 mm suitable for: Flatline lighting casing with color-light therapy: C-M05191H Flatline lighting casing: C-M05191I, C-M05191J, C-M0519K weight: 154 g | WZ-54 |
| | Ø 57 mm suitable for: super jet small jet body: P-X-0505-6 Flatline combi button with electronic button lower part: C-M00370-12 Flatline super jet small jet body: C-M00230-10 Flatline super jet small cluster jet body: C-M20230-10 weight: 175 g | WZ-57 |
| | Ø 60 mm suitable for: Flatline vacuum body: M10254-10 Flatline push button 7 functions: C-M003681B weight: 168 g | WZ-60 |
| | Ø 64 mm suitable for: vacuum connection part: P-5012, P-5013 super jet jet body: P-X-0504-6 Flatline suction: C-M00252, C-M00250 Flatline vacuum body: C-M00254-10, C-M00255-10 Flatline super jet body: C-M00240-10 Flatline ring for spa light: C-M00303-10, C-M00302-10 weight: 206 g | WZ-64 |
| | Ø 68 mm suitable for: multicolor spa light: X-800-K, X-012-5131B-S01 Flatline ring for spa light: C-M00301-10 weight: 232 g | WZ-68 |
| | Ø 92 mm suitable for: Flatline ring for spa light: M00300-10 weight: 345 g | WZ-92 |

| ACCESSORY | | | Order No. | | | | | |
|---|---|-----------|-----------|--------|-------|---------|---------|-------------------------|
|  | <p>PeViCol bottle</p> <table><tr><th>volume</th><th>weight</th></tr><tr><td>120 g</td><td>150 g</td></tr><tr><td>570 g</td><td>600 g</td></tr></table> <p>It is possible to get a technical data sheet on inquiry.</p> | volume | weight | 120 g | 150 g | 570 g | 600 g | P-658-120 P-658-1 |
| volume | weight | | | | | | | |
| 120 g | 150 g | | | | | | | |
| 570 g | 600 g | | | | | | | |
|  | <p>PeViCol tin with enclosed brush</p> <p>volume: 570 g weight: 800 g</p> <p>It is possible to get a technical data sheet on inquiry.</p> | P-657-570 | | | | | | |
|  | <p>PeViCol can</p> <table><tr><th>volume</th><th>weight</th></tr><tr><td>5,5 kg</td><td>6 kg</td></tr><tr><td>24,4 kg</td><td>25.5 kg</td></tr></table> <p>It is possible to get a technical data sheet on inquiry.</p> | volume | weight | 5,5 kg | 6 kg | 24,4 kg | 25.5 kg | P-656-550 P-656-2440 |
| volume | weight | | | | | | | |
| 5,5 kg | 6 kg | | | | | | | |
| 24,4 kg | 25.5 kg | | | | | | | |
|  | <p>Sanitary silicon handling: Advanced adhesive characteristic of acrylic! It is neutral to other materials (free from acetic acid).</p> <p>volume: 300 g color: transparent weight: 340 g</p> <p>Follow the instruction for use! It is possible to get a technical data sheet on inquiry.</p> | 660 | | | | | | |
|  | <p>Fibre cement with hardener ratio of ingredients: ground mass + 2-4% hardener hardness after 30 minutes</p> <p>volume: ground mass: 750 g, hardener: 30 g weight: 950 g</p> <p>Follow the instruction for use! It is possible to get a technical data sheet on inquiry.</p> | 75030 | | | | | | |

| ACCESSORY | Order No. |
|---|-----------|
|  <p>Teflon band width: 12 mm weight: 12 g</p> | 659 |
|  <p>Electronic pistol for hot gluing with exchangeable nozzle weight: 890 g it is possible to take the electronic pistol out of the station - working without cable</p> | WZ-0012 |
|  <p>Cartridges for pistol for hot gluing volume: 2 kg weight: 2.1 kg</p> | WZ-0012-1 |
|  <p>O-ring fat 661 volume: 50 g weight: 60 g</p> | 661 |

At your service, worldwide!

Canada

United States

Europe

U.A.E

Russia

China

Iran

India

Hong Kong

South Africa

You will find all our contact details at whirl.rkoller.com

KOLLER **WHIRL-SYSTEMS**

RUDOLF KOLLER Ges.m.b.H.
A-1210 VIENNA
Brünner Straße 313-315
Tel.: +43 1 604 43 33
office.vienna.at@rkoller.com

A-3902 VITIS
Rudolf-Koller-Straße 1
Tel.: +43 2841 8207
office.vitis.at@rkoller.com

RUDOLF KOLLER spol.s r.o.
CZ-37701 JINDRICHUV HRADEC
Dolní Pena 201
Tel.: +420 384 370 410
office.jhradec.cz@rkoller.com

