

# Spare parts 2024/2025

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# Sanitary and Heating Fittings



Plant 1  
Production with administration and training centre



Plant 2  
Production with logistics centre

## Quality and Innovation.

SCHELL - reliable partner for sanitary and heating - can look back over more than 90 years of experience in the design and manufacture of practical sanitary and heating fittings. High-quality basic materials and automated manufacturing processes are the foundation for quality fittings »Made by SCHELL in Germany«.

Furthermore, SCHELL continuously tackles new topics and turns them into innovative products which genuinely benefit to users and processors. This includes the economical use of resources such as drinking water, as well as high demands on design, uncompromising quality, easy installation and a comprehensive service tailored to the requirements of this professional trade. SCHELL fittings fulfil many national and international approvals and have been awarded several prizes.

This - together with the development of a customer-oriented product policy - is a further reason why our customers repeatedly choose SCHELL for decades. They have made the company successful.

With over 450 employees at its Olpe site, SCHELL is today a leading manufacturer of angle valves and appliance connection fittings and enjoys an excellent reputation throughout Europe and in many non-European countries. In addition, SCHELL is regarded as a Specialist for networked fittings and drinking water hygiene in public and commercial sanitary rooms. Our partners include planners and investors.

As a globally active family-owned company, we live the balance between tradition, change and the future every day. We use the major trends of our time, such as digitization or sustainability, as opportunities for further development - for us and our customers.

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| 48 054 06 99   | 19  | 433  | 4021163159387 | 77 705 00 99   | 19  | 429  | 4021163161786 |                |     |      |           |
| 48 055 06 99   | 19  | 430  | 4021163159394 | 77 709 00 99   | 19  | 372  | 4021163163247 |                |     |      |           |
| 48 069 06 99   | 19  | 433  | 4021163159400 | 77 734 00 99   | 19  | 399  | 4021163165227 |                |     |      |           |
| 50 752 00 99   | 29  | 468  | 4021163163407 | 77 756 00 99   | 29  | 458  | 4021163170511 |                |     |      |           |
| 51 021 00 99   | 29  | 458  | 4021163170498 | 77 757 00 99   | 29  | 458  | 4021163170528 |                |     |      |           |
| 60 544 06 99   | 19  | 430  | 4021163162158 | 78 230 03 99   | 39  | 486  | 4021163139624 |                |     |      |           |
| 61 822 06 99   | 39  | 488  | 4021163147360 | 78 241 00 99   | 19  | 402  | 4021163161366 |                |     |      |           |
| 62 100 06 99   | 29  | 467  | 4021163160604 |                |     |      |               |                |     |      |           |
| 62 506 06 99   | 29  | 457  | 4021163143676 |                |     |      |               |                |     |      |           |
| 62 507 06 99   | 29  | 483  | 4021163143768 |                |     |      |               |                |     |      |           |
| 62 521 06 99   | 39  | 488  | 4021163149104 |                |     |      |               |                |     |      |           |
| 62 805 00 99   | 19  | 375  | 4021163144116 |                |     |      |               |                |     |      |           |
| 63 011 00 99   | 19  | 429  | 4021163159943 |                |     |      |               |                |     |      |           |
| 63 014 00 99   | 19  | 435  | 4021163165920 |                |     |      |               |                |     |      |           |
| 64 755 00 99   | 19  | 433  | 4021163159417 |                |     |      |               |                |     |      |           |
| 64 756 00 99   | 19  | 430  | 4021163159424 |                |     |      |               |                |     |      |           |
| 66 083 00 99   | 29  | 480  | 4021163132281 |                |     |      |               |                |     |      |           |
| 66 190 00 99   | 19  | 429  | 4021163159950 |                |     |      |               |                |     |      |           |
| 66 211 00 99   | 19  | 435  | 4021163170863 |                |     |      |               |                |     |      |           |
| 69 945 03 99   | 39  | 486  | 4021163154535 |                |     |      |               |                |     |      |           |
| 69 946 03 99   | 39  | 486  | 4021163154528 |                |     |      |               |                |     |      |           |
| 69 956 06 99   | 19  | 418  | 4021163157468 |                |     |      |               |                |     |      |           |
| 69 967 06 99   | 19  | 402  | 4021163160062 |                |     |      |               |                |     |      |           |
| 69 968 06 99   | 19  | 404  | 4021163160055 |                |     |      |               |                |     |      |           |
| 69 982 03 99   | 39  | 486  | 4021163159066 |                |     |      |               |                |     |      |           |





## Spare parts

### ▪ Wash basin taps

|                           |           |
|---------------------------|-----------|
| - XERIS E-T / XERIS E     | 372 - 373 |
| - PURIS E / VENUS E       | 374 - 375 |
| - CELIS E                 | 376 - 377 |
| - MODUS E / MODUS Trend E | 378 - 383 |
| - TIPUS P                 | 384       |
| - XERIS SC                | 385       |
| - PURIS SC                | 386 - 387 |
| - PETIT SC, HD-K, HD-M    | 388 - 389 |
| - PURIS Line              | 390       |
| - MODUS EH-T / EH         | 392 - 393 |
| - MODUS EH, K             | 394 - 395 |

### ▪ Exposed wash basin taps

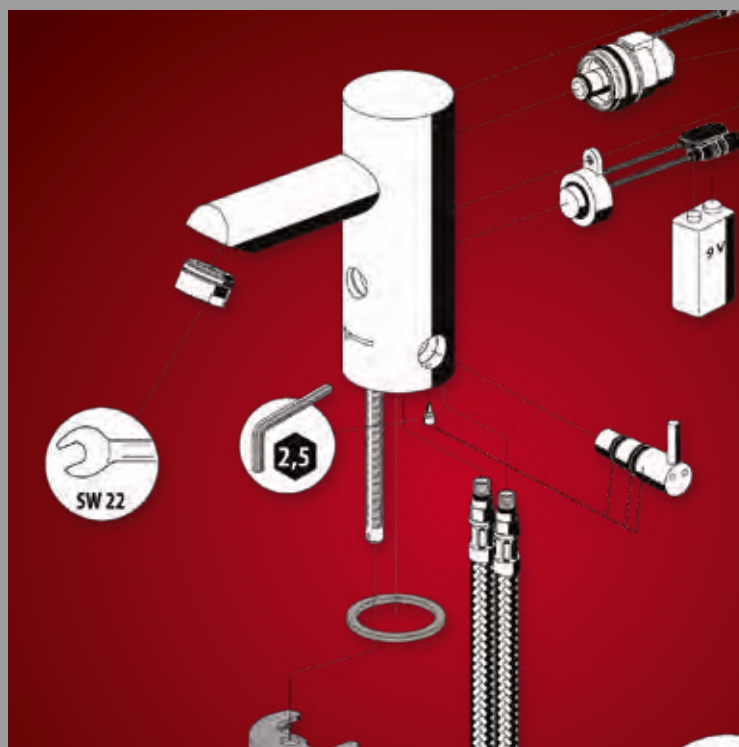
|                         |           |
|-------------------------|-----------|
| - LINUS W-E-V / W-E-M   | 398 - 399 |
| - LINUS W-SC-V / W-SC-M | 400 - 401 |

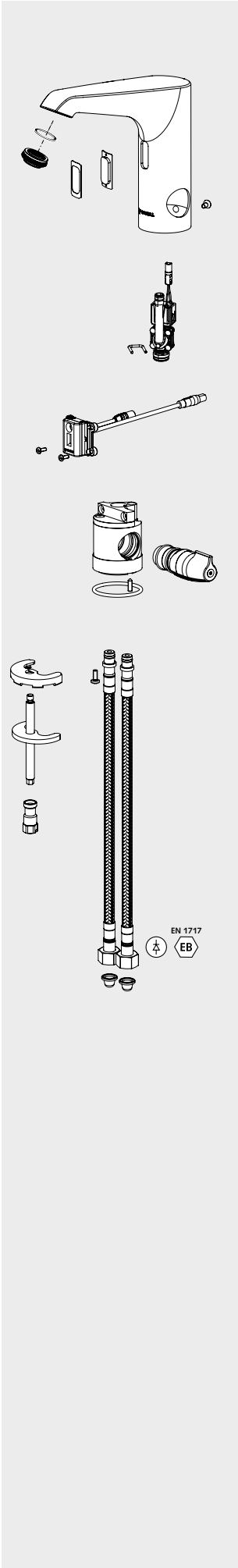
### ▪ Concealed wash basin taps

|                     |           |
|---------------------|-----------|
| - VITUS Mixed water | 402 - 403 |
| - VITUS Thermostat  | 404 - 405 |
| - WALIS E           | 406 - 407 |
| - LINUS W-EH-M      | 408       |
| - PETIT SC          | 409       |
| - MODUS E           | 410 - 411 |

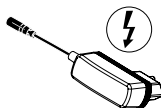
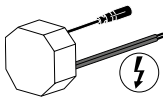
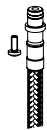
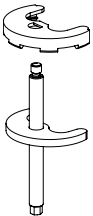
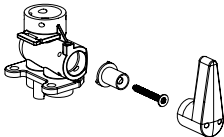
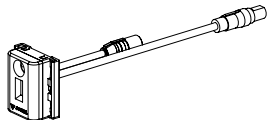
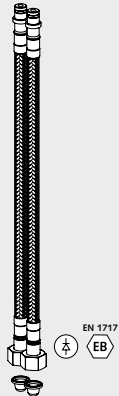
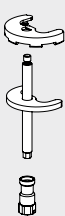
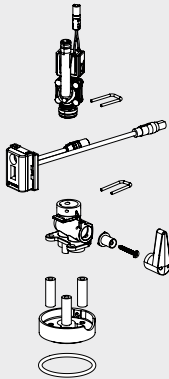
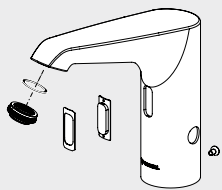
### ▪ Kitchen taps

|             |           |
|-------------|-----------|
| - GRANDIS E | 396 - 397 |
|-------------|-----------|





| Product description   | Article number |
|---|----------------|
| <b>Flow regulator max. 5,0 l/min pressure-independent</b><br><b>Aerated jet</b><br>For all SCHELL wash basin taps XERIS.<br><b>Scope of delivery</b> <ul style="list-style-type: none"> <li>Flow regulator</li> </ul> <b>Technical data</b> <ul style="list-style-type: none"> <li>Flow: max. 5 l/min pressure-independent</li> <li>Connection: M24 X 1 AG</li> </ul> |                |
| PU 1, W: 0,02 kg/Piece  | 02 161 00 99   |
| <b>Axial solenoid valve 6 V</b><br>with mounting bracket  |                |
| PU 1, W: 0,06 kg/Piece  | 00 910 00 99   |
| <b>Sensor window XERIS E</b><br>incl adhesive tape  |                |
| PU 1, , W: 0,014 kg/Piece   | 77 709 00 99   |
| <b>Elektronic XERIS E-T</b><br>with mounting screws   |                |
| PU 1, W: 0,05 kg/Piece  | 29 700 00 99   |
| <b>Thermostat cartridge</b><br>complete with turning handle and locking screw   |                |
| PU 1, W: 0,146 kg/Piece   | 29 701 06 99   |
| <b>Fastening set for wash basin draw off taps</b><br><b>XERIS E small u. mid.</b><br>Threaded rod length M6/M8 x 92 mm  |                |
| PU 1, W: 0,08 kg/Piece  | 29 694 00 99   |
| <b>Flexible hose Clean-Fix S G 3/8 IG x 400 mm</b><br>with filter and backflow preventer  |                |
| PU 1, W: 0,074 kg/Piece   | 10 258 06 99   |
| <b>Excerpt from product group 13</b><br><b>Concealed transformer 100 - 240 V / 50 - 60 Hz / 9 V</b><br>For 1 - 12 CVD-Touch electronics and infrared-sensor electronics XERIS E and PURIS E, VENUS E, CELIS E from 08/2015, plug connect. for electronic three poles  |                |
| PU 1, W: 0,14 kg/Piece  | 01 315 00 99   |
| <b>Transformer with plug 100 - 240 V / 50 - 60 Hz / 9 V</b><br>suitable for wash basin fittings GRANDIS E and XERIS E, PURIS E, VENUS E, CELIS E from 09/2016 and for SWS Wireless manager FM plug connect for electronic three poles   |                |
| PU 1, W: 0,07 kg/pc.  | 00 912 00 99   |



Product description

Article  
number

Flow regulator max. 5,0 l/min pressure-independent

**Aerated jet**  
For all SCHELL wash basin taps XERIS.

**Scope of delivery**  
• Flow regulator

**Technical data**  
• Flow: max. 5 l/min pressure-independent  
• Connection: M24 X 1 AG

PU 1, W: 0,02 kg/Piece

02 161 00 99

**Axial solenoid valve 6 V**  
with mounting bracket

PU 1, W: 0,06 kg/Piece

00 910 00 99

**Sensor window XERIS E**  
incl adhesive tape

PU 1, , W: 0,014 kg/Piece

77 709 00 99

**Elektronic XERIS E**  
with clamping fixture  
for XERIS E wash basin mixer small, PU 1, W: 0,06 kg/pc.  
for XERIS E wash basin mixer mid., PU 1, W: 0,06 kg/pc.  
for XERIS E wash basin mixer large, PU 1, W: 0,06 kg/pc.

29 690 00 99

29 691 00 99

29 692 00 99

**Mixing block HD-K**  
with 2 clamping brackets  
PU 1, W: 0,06 kg/pc.

29 693 00 99

**Mixing block HD-M**  
with 2 clamping brackets, adapter and mixing lever  
PU 1, W: 0,09 kg/pc.

29 689 00 99

**Fastening set for wash basin draw off taps  
XERIS E small u. mid.**  
Threaded rod length M6/M8 x 92 mm

PU 1, W: 0,08 kg/pc.

29 694 00 99

**Fastening set for wash basin draw off taps  
XERIS E large**  
Threaded rod length M6/M8 x 202 mm

PU 1, W: 0,11 kg/pc.

29 695 00 99

**Flexible hose Clean-Fix S G 3/8 IG x 400 mm**  
for XERIS E wash basin fittings small / mid.,  
with filter and backflow preventer  
PU 1, W: 0,07 kg/pc.

10 258 06 99

**Flexible hose Clean-Fix S G 3/8 IG x 500 mm**  
für XERIS E wash basin fitting large,  
with filter and backflow preventer  
PU 1, W: 0,08 kg/pc.

10 257 06 99

Excerpt from product group 13

**Concealed transformer 100 - 240 V / 50 - 60 Hz / 9 V**  
For 1 - 12 CVD-Touch electronics and infrared-sensor electronics XERIS E and PURIS E,  
VENUS E, CELIS E from 08/2015, plug connect. for electronic three poles  
PU 1, W: 0,14 kg/Piece

01 315 00 99

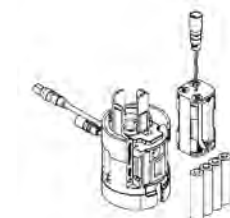
**Transformer with plug 100 - 240 V / 50 - 60 Hz / 9 V**  
suitable for wash basin fittings GRANDIS E and XERIS E, PURIS E, VENUS E,  
CELIS E from 09/2016 and for SWS Wireless manager FM plug connect  
for electronic three poles  
PU 1, W: 0,07 kg/pc.

00 912 00 99

Spare parts  
wash basin, kitchen taps



Until October 2015



## Product description

Article  
number**Electronic spare part set, battery version**

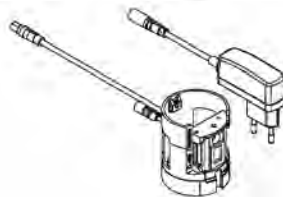
for conversion to SCHELL electronic

for PURIS E / VENUS E, PU 1, W: 0,17 kg/Piece

for PURIS E with extended outlet, PU 1

01 022 00 99

01 023 00 99

**Electronic spare part set, mains adapter version**

for conversion to SCHELL electronic

for PURIS E / VENUS E, PU 1, W: 0,22 kg/Piece

for PURIS E with extended outlet, PU 1

01 024 00 99

01 025 00 99

**Sensor window PURIS E / VENUS E**

PU 1, W: 0,01 kg/Piece

77 610 00 99

**Cartridge valve with integrated pre-filter 6 V**  
(Silencer)

PU 1, W: 0,05 kg/Piece

01 451 00 99

**Temperaturregler komplett**

chrom, PU 1, W: 0,09 kg/Piece, PURIS HD-M

chrom, PU 1, W: 0,10 kg/Piece, VENUS HD-M

01 381 06 99

01 382 06 99

**Mounting screw incl. hex key**

PURIS / VENUS

PU 1, W: 0,01 kg/Piece

01 383 00 99

**Pre-filter mixed water with backflow preventer HD-M**

(RV, DIN EN 1717: EB), filter, mesh size: 500 µm

chrome, PU 1, W: 0,05 kg/Piece, HD-M

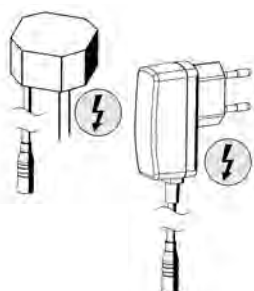
28 511 06 99

**Pre-filter with flow restrictor ND-M**

filter, mesh size: 500 µm

chrome, PU 1, W: 0,04 kg/Piece, ND-M

28 512 06 99

**Concealed transformer 100 - 240 V / 50 - 60 Hz / 12 V**

suitable for wash basin fittings PURIS E, VENUS E and CELIS E

PU 1, W: 0,12 kg/Piece

01 312 00 99

**Transformer with plug 100 - 240 V / 50 - 60 Hz / 12 V**

suitable for wash basin fittings PURIS E, VENUS E, CELIS E and MODUS E

PU 1, W: 0,10 kg/Piece

01 313 00 99

**Flow regulator max. 5,0 l/min pressure-independent****Aerated jet**

For all SCHELL wash basin taps PURIS E, PURIS SC until 05/2024, VENUS, CELIS, MODUS and PETIT. Not suitable for low pressure taps.

**Scope of delivery**

- Flow regulator with chrome sleeve
- Seal

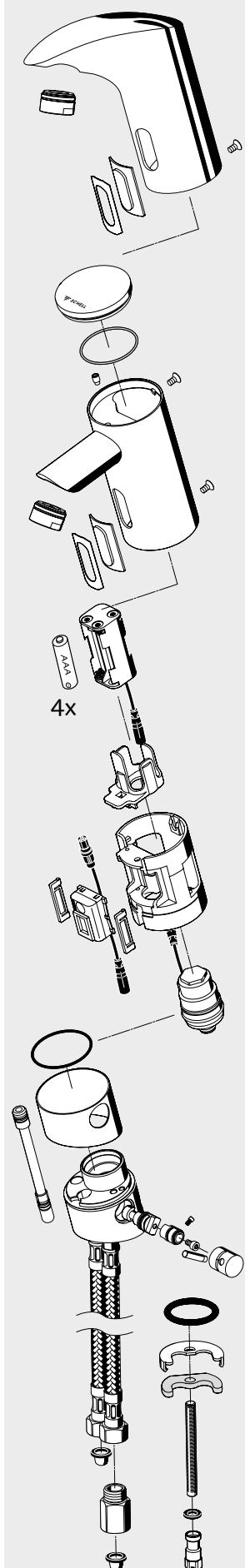
**Technical data**

- Flow max. 5 l/min pressure-independent
- Surface: Chrome
- Connection: M24 X 1 AG

PU 1, W: 0,02 kg/Piece

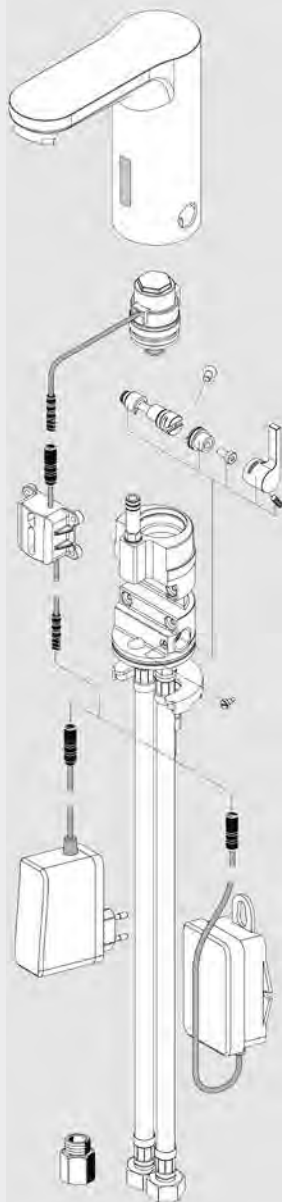
28 922 06 99

From October 2015



| Product description  | Article number               |
|--|------------------------------|
| <b>Electronic module for PURIS E and VENUS E</b><br>with programme structure from 10/2015, incl. adapter cable<br><u>battery version</u> , cable length mains supply 140 mm, PU 1  | 21 702 00 99                 |
| <u>mains adapter version</u> , cable length mains supply 290 mm, PU 1  | 21 701 00 99                 |
| <b>For PURIS E fittings with extended outlet (140 mm)</b><br><u>battery version</u> , cable length mains supply 140 mm, PU 1   | 21 703 00 99                 |
| <u>mains adapter version</u> , cable length mains supply 290 mm, PU 1  | 21 704 00 99                 |
| <b>Sensorfenster PURIS E / VENUS E</b><br>PU 1, W: 0,01 kg/Piece   | 77 610 00 99                 |
| <b>Cartridge valve with integrated pre-filter 6 V</b><br>(Silencer)<br>PU 1, W: 0,05 kg/Piece  | 01 451 00 99                 |
| <b>Temperature controller, complete</b><br>chrome, PU 1, W: 0,09 kg/Piece, PURIS HD-M<br>chrome, PU 1, W: 0,10 kg/Piece, VENUS HD-M  | 01 381 06 99<br>01 382 06 99 |
| <b>Battery compartment PURIS E / VENUS E</b><br>incl. 4 x 1,5 V batteries Typ AAA<br>PU 1  | 01 597 00 99                 |
| <b>Mounting screw for fitting body</b><br>PURIS E / VENUS E / CELIS E, incl. hex key<br>PU 1   | 71 506 00 99                 |
| <b>Battery compartment holder PURIS E / VENUS E</b><br>PU 1  | 77 690 00 99                 |
| <b>Cage filter, filter, mesh size: 500 µm</b><br>PU 1, W: 0,001 kg/Piece   | 62 805 00 99                 |
| <b>Pre-filter with flow restrictor ND-M</b><br>filter, mesh size: 500 µm<br>chrome, PU 1, W: 0,04 kg/Piece, ND-M   | 28 512 06 99                 |
| <b>Excerpt from product group 13</b><br><b>Concealed transformer 100 - 240 V / 50 - 60 Hz / 9 V</b><br>For 1 - 12 CVD-Touch electronics and infrared-sensor electronics XERIS E and PURIS E, VENUS E, CELIS E from 08/2015, plug connect. for electronic three poles<br>PU 1, W: 0,14 kg/Piece   | 01 315 00 99                 |
| <b>Transformer with plug 100 - 240 V / 50 - 60 Hz / 9 V</b><br>suitable for wash basin fittings GRANDIS E and XERIS E, PURIS E, VENUS E, CELIS E from 09/2016 and for SWS Wireless manager FM plug connect. for electronic three poles<br>PU 1, W: 0,07 kg/Piece   | 00 912 00 99                 |
| <b>Flow regulator max. 5.7 l/min pressure-independent, theft-proof</b><br><b>Aerated jet</b><br>For all SCHELL wash basin taps PURIS E, PURIS SC until 05/2024, VENUS, CELIS, MODUS and PETIT. Not suitable for low pressure taps.<br><b>Scope of delivery</b><br>• Flow regulator with chrome sleeve, • Seal, • Flow regulator key<br><b>Technical data</b><br>• Flow: max. 1,5 gpm ≈ 5,7 l/min, • Surface: Chrome, • Connection: M 24 x 1 AG<br>PU 1, W: 0,02 kg/Piece | 02 121 06 99                 |
| <b>Flow regulator max. 5,0 l/min pressure-independent</b><br><b>Aerated jet</b><br>For all SCHELL wash basin taps PURIS E, PURIS SC until 05/2024, VENUS, CELIS, MODUS and PETIT. Not suitable for low pressure taps.<br><b>Scope of delivery</b><br>• Flow regulator with chrome sleeve, • Seal<br><b>Technical data</b><br>• Flow max. 5 l/min pressure-independent<br>• Surface: Chrome, • Connection: M24 X 1 AG<br>PU 1, W: 0,02 kg/Piece                           | 28 922 06 99                 |
| <b>Flexible hose Clean-Fix S with backflow preventer</b><br>Union nut G 3/8 int. thread x M 8 x 1<br>Length 380 mm, PU 1, W: 0,06 kg/st.   | 10 250 06 99                 |

Until August 2015



## Product description

Article  
number**Sensor window CELIS E**

with nano coating and adhesive tap

PU 1, W: 0,01 kg/Piece

77 623 00 99

**Electronic module CELIS E**for CELIS fittings till August 2015  
as replacement for electronic module 01 518 00 99

PU 1, W: 0,15 kg/Piece

21 700 00 99

**Ordering information:**

Please observe by the electronic module CELIS E 21 700 00 99 the respective power supply see article 01 557 00 99 or 00 912 00 99 page 377 must also ordered. This is important for fittings until production 08/2015.

**Cartridge valve with integrated pre-filter 6 V**  
(Silencer)

PU 1, W: 0,05 kg/Piece

01 451 00 99

**Mounting screw CELIS E**

for fitting body

PU 1, W: 0,005 kg/Piece

71 506 00 99

**Temperature controller CELIS E, complete**  
with handle, adapter and regulation arbor

chrome, PU 1, W: 0,05 kg/Piece

01 521 06 99

**Battery module CELIS E / TIPUS P**

incl. 9 V alkaline block battery

PU 1, W: 0,14 kg/Piece

01 519 00 99

**Concealed transformer 100 - 240 V / 50 - 60 Hz / 12 V**suitable for shower panel LINUS DP-P-T,  
concealed shower LINUS Basic D-P-T,  
wash basin fittings PURIS E, VENUS E and CELIS E

PU 1, W: 0,12 kg/Piece

01 312 00 99

**Transformer with plug 100 - 240 V / 50 - 60 Hz / 12 V**suitable for wash basin fittings PURIS E, VENUS E,  
CELIS E und MODUS E

PU 1, W: 0,10 kg/Piece

01 313 00 99

**Pre-filter mixed water with backflow preventer HD-M**

(RV, DIN EN 1717: EB), filter, mesh size: 500 µm

chrome, PU 1, W: 0,05 kg/Piece, HD-M

28 511 06 99

From August 2015

## Product description

Article  
number**Sensor window CELIS E**

with nano coating and adhesive tap

PU 1, W: 0,01 kg/Piece

77 623 00 99

**Electronic module CELIS E**

for wash basin fittings CELIS from August 2015

PU 1, W: 0,15 kg/Piece

21 700 00 99

**Cartridge valve with integrated pre-filter 6 V**  
(Silencer)

PU 1, W: 0,05 kg/Piece

01 451 00 99

**Mounting screw CELIS E**

for fitting body

PU 1, W: 0,005 kg/Piece

71 506 00 99

**Temperature controller CELIS E, complete**  
with handle, adapter and regulation arbor

chrome, PU 1, W: 0,05 kg/Piece

01 521 06 99

**Excerpt from product group 13****Battery compartment universal 6 V**for electronic wash basin fittings  
incl. 4 alkaline batteries type AA

PU 1, W: 0,20 kg/Piece

01 557 00 99

**Excerpt from product group 13****Concealed transformer 100 - 240 V / 50 - 60 Hz / 9 V**For 1 - 12 CVD-Touch electronics and infrared-sensor electronics  
XERIS E and PURIS E, VENUS E, CELIS E from 08/2015,  
plug connect for electronic three poles

PU 1, W: 0,14 kg/Piece

01 315 00 99

**Transformer with plug 100 - 240 V / 50 - 60 Hz / 9 V**suitable for wash basin fittings GRANDIS E and XERIS E, PURIS E, VENUS E,  
CELIS E from 09/2016 and for SWS Wireless manager FM plug connect.  
for electronic three poles

PU 1, W: 0,07 kg/Piece

00 912 00 99

**Cage filter, filter, mesh size: 500 µm**

PU 1, W: 0,001 kg/Piece

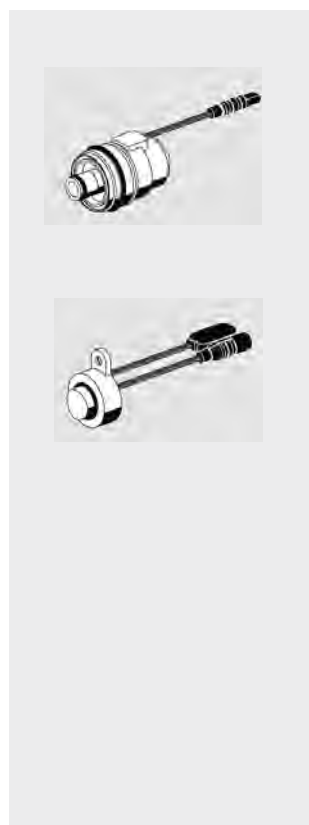
62 805 00 99

**Flexible hose Clean-Fix S with backflow preventer**

Union nut G 3/8 int. thread x M 8 x 1

Length 380 mm, PU 1, W: 0,06 kg/st.

10 250 06 99



| Product description   | Article number      |
|---|---------------------|
| <b>Cartridge valve with integrated pre-filter 6 V</b><br>(Silencer) |                     |
| <b>PU 1, W: 0,05 kg/Piece</b>                                       | <b>01 451 00 99</b> |
| <b>Electronic module MODUS E</b>                                    |                     |
| <b>PU 1, W: 0,17 kg/Piece</b>                                       | <b>01 544 00 99</b> |

| Product description | Article number |
|---------------------|----------------|
|---------------------|----------------|

**Cover battery compartment MODUS E**

chrome, PU 1, W: 0,03 kg/Piece

77 412 06 99

**Flow regulator max. 5,0 l/min pressure-independent**

**Aerated jet**

For all SCHELL wash basin taps PURIS E, PURIS SC until 05/2024, VENUS, CELIS, MODUS and PETIT. Not suitable for low pressure taps.

**Scope of delivery**

- Flow regulator with chrome sleeve
- Seal

**Technical data**

- Flow max. 5 l/min pressure-independent
- Surface: Chrome
- Connection: M24 X 1 AG

PU 1, W: 0,02 kg/Piece

28 922 06 99

**Temperature controller MODUS E, complete**

chrome, PU 1, W: 0,07 kg/Piece

25 838 06 99

**Cage filter**

filter, mesh size: 500 µm

PU 1, W: 0,001 kg/Piece

62 805 00 99

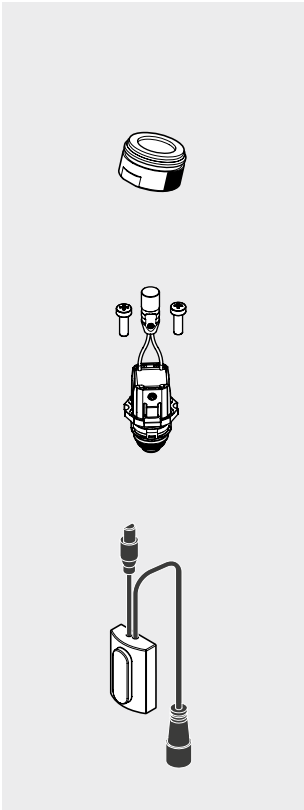
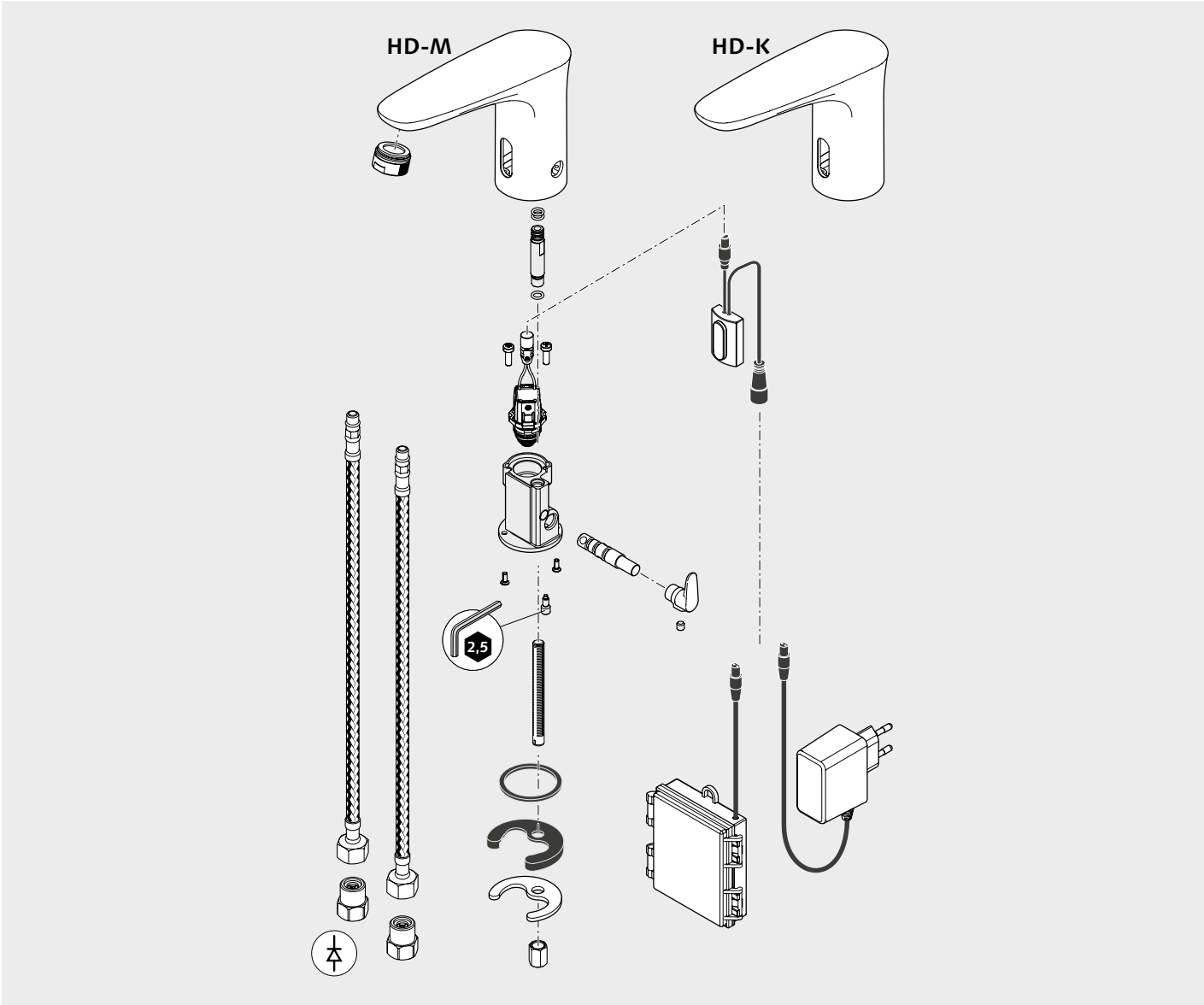
**Transformer with plug 100 - 240 V / 50 - 60 Hz / 12 V**

suitable for wash basin fittings PURIS E, VENUS E, CELIS E und MODUS E

PU 1, W: 0,10 kg/Piece

01 313 00 99





Product description

Article number

**Flow regulator**

without sleeve, for reducing the flow rate with the same level of comfort.

1,32 l/min pressure independent, 0,35 GPM, PU 1 / 10 pieces

28 931 06 99

3,0 l/min pressure independent, 0,79 GPM, PU 1 / 10 pieces

28 932 06 99

3,8 l/min pressure independent, 1,0 GPM, PU 1

28 936 06 99

5,0 l/min pressure independent, 1,32 GPM, PU 1

28 922 06 99

**Solenoid valve, bistable**

6 V, DN 5

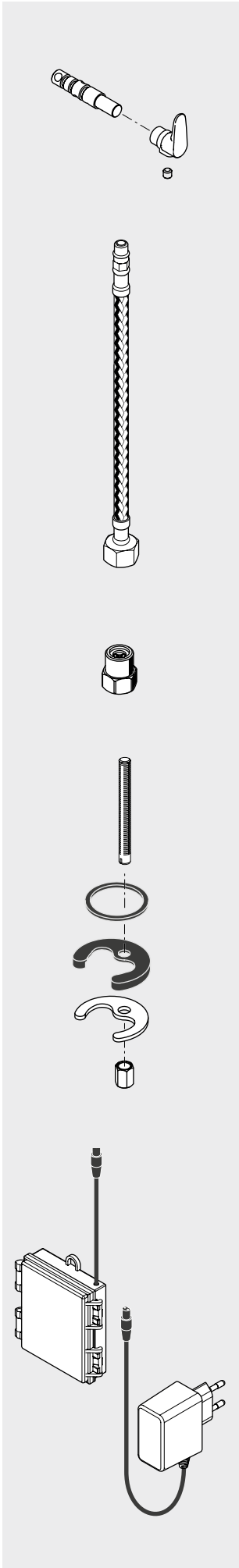
PU 1

00 923 00 99

**Electronic module MODUS E**

PU 1

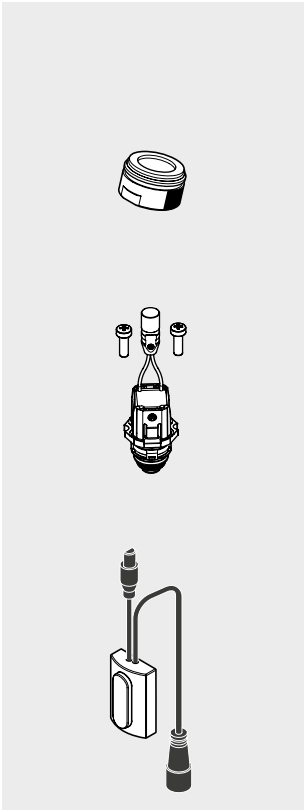
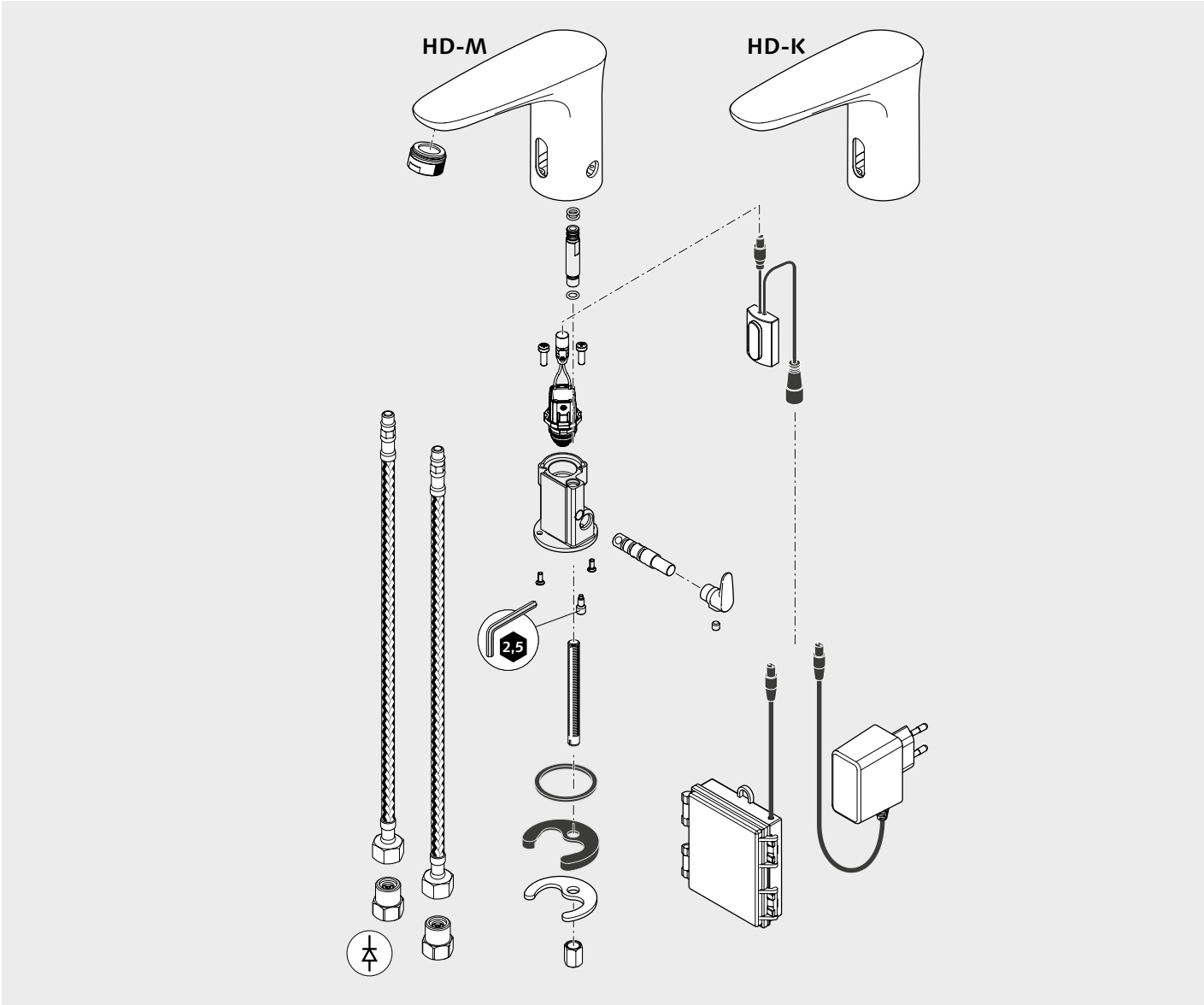
29 744 00 99



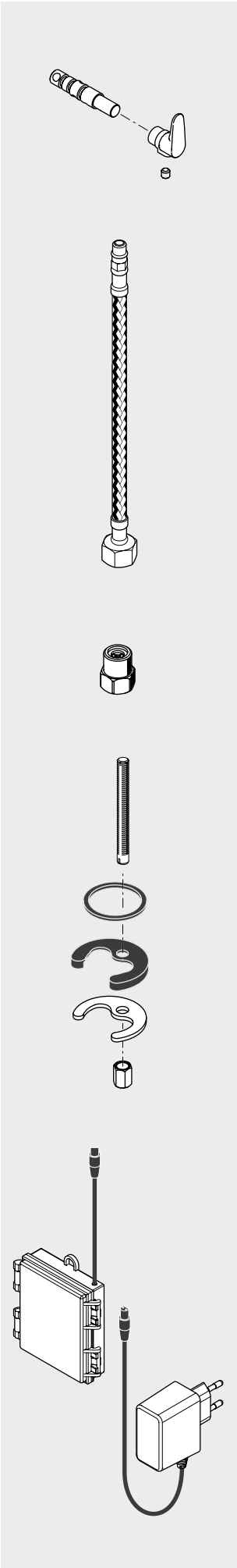
| Product description  | Article number               |
|--|------------------------------|
| <b>Temperature controller MODUS E, complete</b><br>incl. screw<br>PU 1   | 29 749 06 99                 |
| <b>Flexible hose</b><br>with stainless steel wire braiding<br>PU 1, 450 mm, G 3/8 Union nut, M8x1<br>For DZR versions 02 176 06 99 and 02 177 06 99<br>PU 1, 450 mm, G 1/2 Union nut, M8x1                 | 10 266 06 99<br>10 267 06 99 |
| <b>Pre-filter mixed water MODUS E</b><br>with backflow preventer and sieve<br>PU 1, G 3/8 IG/AG, mesh size 250 µm<br>For DZR versions 02 176 06 99 and 02 177 06 99<br>PU 1, G 1/2 IG/AG, mesh size 250 µm | 29 753 06 99<br>29 755 06 99 |
| <b>Fastening set for wash basin draw off taps</b><br>Threaded rod length M 8 x 85 mm<br>PU 1, W: 0,08 kg/Piece   | 25 988 00 99                 |
| <b>Battery compartment universal 6 V</b><br>suitable for electronic wash basin fitting MODUS E from 10/2020<br>PU 1  | 29 742 00 99                 |
| <b>Transformer with plug 100 - 240 V / 50 - 60 Hz / 6 V</b><br>suitable for electronic wash basin fitting MODUS E from 10/2020<br>PU 1   | 00 925 00 99                 |

Spare parts  
wash basin, kitchen taps



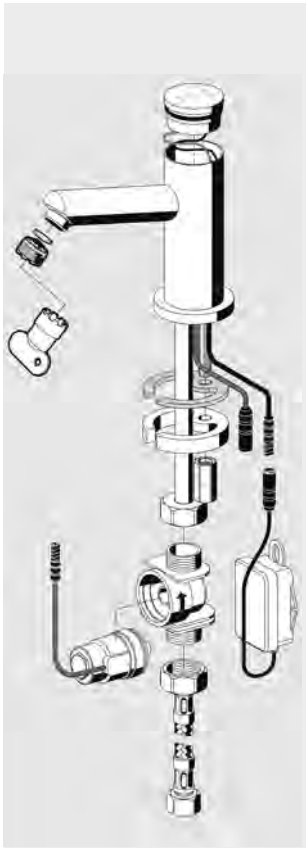


| Product description  | Article number  |
|--|---|
| <b>Flow regulator</b><br>without sleeve, for reducing the flow rate<br>with the same level of comfort.<br><b>1,32 l/min pressure independent, 0,35 GPM, PU 1</b><br><b>3,0 l/min pressure independent, 0,79 GPM, PU 1</b><br><b>5,0 l/min pressure independent, 1,32 GPM, PU 1</b> | <b>28 931 00 99</b><br><b>28 932 00 99</b><br><b>28 933 00 99</b> |
| <b>Solenoid valve, bistable</b><br>6 V, DN 5<br>PU 1   | <b>00 923 00 99</b>   |
| <b>Electronic module for MODUS Trend E</b><br>UE 1   | <b>29 741 00 99</b>   |



| Product description  | Article number |
|--|----------------|
| <b>Temperature controller MODUS Trend E, complete</b><br>incl. screw<br>PU 1   | 29 748 06 99   |
| <b>Flexible hose</b><br>PU 1, 450 mm, G 3/8 Union nut, M 8x1   | 10 266 06 99   |
| <b>Pre-filter mixed water MODUS E</b><br>with backflow preventer and sieve<br>PU 1, G 3/8 IG/AG, mesh size 250 µm                      | 29 753 06 99   |
| <b>Fastening set for wash basin draw off taps</b><br>Threaded rod length M 8 x 85 mm<br>PU 1, W: 0,08 kg/Piece                         | 25 988 00 99   |
| <b>Battery compartment universal 6 V</b><br>suitable for electronic wash basin fitting MODUS E from 10/2020<br>PU 1                    | 29 742 00 99   |
| <b>Transformer with plug 100 - 240 V / 50 - 60 Hz / 6 V</b><br>suitable for electronic wash basin fitting MODUS E from 10/2020<br>PU 1 | 00 925 00 99   |

Spare parts  
wash basin, kitchen taps



| Product description | Article number |
|---------------------|----------------|
|---------------------|----------------|

|  |              |
|--|--------------|
| <b>Electronic module with cover TIPUS P</b><br>ON/OFF/time limit<br><b>Use / Technical Data:</b><br>Electronic for adjustment of low time 4 to 120 S<br>chrome, PU 1, W: 0,09 kg/Piece | 01 301 06 99 |
|--|--------------|



|   |              |
|---|--------------|
| <b>Flow regulator TIPUS P</b><br><b>Use / Technical Data:</b><br>Flow rate: 6l/min at 3 bar flow pressure<br>Discontinued item, available while stocks last<br>chrome, PU 1, W: 0,01 kg/Piece | 28 918 06 99 |
|---|--------------|



|   |              |
|---|--------------|
| <b>Cartridge valve with integrated prefilter 6 V</b><br>incl. adapter cable<br>(Silencer)<br>PU 1, W: 0,05 kg/Piece | 01 451 00 99 |
|---|--------------|



|   |              |
|---|--------------|
| <b>Supporting housing TIPUS P</b><br>for cartridge solenoid valve<br>PU 1, W: 0,04 kg/Piece | 01 522 00 99 |
|---|--------------|



|   |              |
|---|--------------|
| <b>Battery module CELIS E / TIPUS P</b><br>incl. 9 V alkaline block battery<br>PU 1, W: 0,14 kg/Piece | 01 519 00 99 |
|---|--------------|

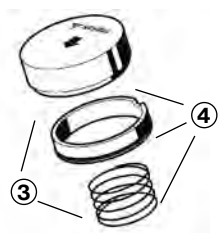
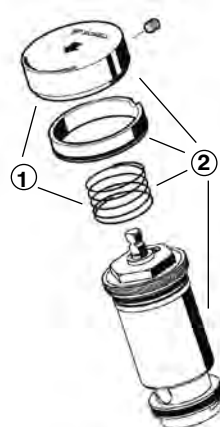




| Product description   | Article number |
|---|----------------|
| <b>Operating handle XERIS SC-M</b><br>with pressure spring<br>chrome, PU 1  | 23 107 06 99   |
| <b>Operating handle XERIS SC-K</b><br>with pressure spring<br>chrome, PU 1  | 23 108 06 99   |
| <b>2 Limiting pins with discharge ring</b><br>for XERIS SC-M / SC-K<br>chrome, PU 1   | 02 160 06 99   |
| <b>Flow regulator max. 5,0 l/min pressure-independent</b><br><b>Aerated jet</b><br>For all SCHELL wash basin taps XERIS.<br><b>Scope of delivery</b><br>• Flow regulator<br><b>Technical data</b><br>• Flow max. 5 l/min pressure-independent<br>• Connection: M24 X 1 AG<br>PU 1, W: 0,02 kg/Piece | 02 161 00 99   |
| <b>Cage filter</b><br>filter, mesh size: 500 µm<br>PU 1, W: 0,001 kg/Piece  | 62 805 00 99   |
| <b>Self-closing cartridge</b><br><b>PETIT SC, XERIS SC, PURIS SC</b><br><u>mixed water</u><br><u>for taps from october Oktober 2006</u><br>PU 1, replaced cartridge 29 637 00 99, 29 716 00 99  | 29 736 00 99   |
| <u>cold water/premixed water</u><br><u>for taps from october Oktober 2006</u><br>PU 1, replaced cartridge 29 638 00 99, 29 651 00 99, 29 721 00 99  | 29 733 00 99   |
| <b>Valve disc</b><br>for self-closing taps, mixed water<br>PU 1, W: 0,02 kg/Piece   | 29 600 06 99   |
| <b>Fastening set for wash basin draw off taps</b><br>Threaded rod length M 8 x 85 mm<br>PU 1, W: 0,08 kg/Piece  | 25 988 00 99   |
| <b>Fastening set for wash basin draw off taps XERIS mid.</b><br>Threaded rod length M 8 x 110 mm<br>PU 1, W: 0,08 kg/Piece  | 25 992 00 99   |
| <b>Flexible hose Clean-Fix S with backflow preventer</b><br>Union nut G 3/8 int. thread x M 8 x 1<br>Length 380 mm, PU 1, W: 0,06 kg/st.  | 10 250 06 99   |

Spare parts  
wash basin, kitchen taps

Until May 2024



## Product description

Article  
number

## ① Operating handle PURIS SC-M

mixed water  
for fittings from October 2006  
with pressure spring

chrome, PU 1, W: 0,15 kg/Piece

02 135 06 99



Can not be used for taps  
before October 2006

## ② Conversion set PURIS SC-M

mixed water  
for taps before October 2006  
with operating handle, slit ring, pressure spring and cartridge  
chrome, PU 1, W: 0,28 kg/Piece

02 129 06 99

## ③ Operating handle PURIS SC-K

cold water / premixed water  
for taps from October 2006  
with pressure spring

chrome, PU 1, W: 0,15 kg/Piece

02 116 06 99



Can not be used for taps  
before October 2006

## ④ Conversion set PURIS SC-K

cold water / premixed water  
for taps before October 2006  
with operating handle, slit ring, pressure spring

chrome, PU 1, W: 0,13 kg/Piece

02 134 06 99

**Self-closing cartridge**  
**PETIT SC, XERIS SC, PURIS SC**

mixed water  
for taps from October 2006  
PU 1, replaced cartridge 29 637 00 99, 29 716 00 99

29 736 00 99

cold water/premixed water  
for taps from October 2006  
PU 1, replaced cartridge 29 638 00 99, 29 651 00 99, 29 721 00 99

29 733 00 99

**Valve disc**

for self-closing taps, mixed water

PU 1, W: 0,02 kg/Piece

29 600 06 99

**Flow regulator max. 5.7 l/min pressure-independent, theft-proof**  
**Aerated jet**

For all SCHELL wash basin taps PURIS E, PURIS SC until 05/2024,  
VENUS, CELIS, MODUS and PETIT. Not suitable for low pressure taps.

**Scope of delivery**

• Flow regulator with chrome sleeve, • Seal, • Flow regulator key

**Technical data**

• Flow: max. 1,5 gpm ≈ 5,7 l/min  
• Surface: Chrome  
• Connection: M 24 x 1 AG

PU 1, W: 0,02 kg/Piece

02 121 06 99

**Flow regulator max. 5,0 l/min pressure-independent****Aerated jet**

For all SCHELL wash basin taps PURIS E, PURIS SC until 05/2024,  
VENUS, CELIS, MODUS and PETIT. Not suitable for low pressure taps.

**Scope of delivery**

• Flow regulator with chrome sleeve  
• Seal

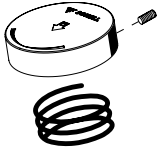
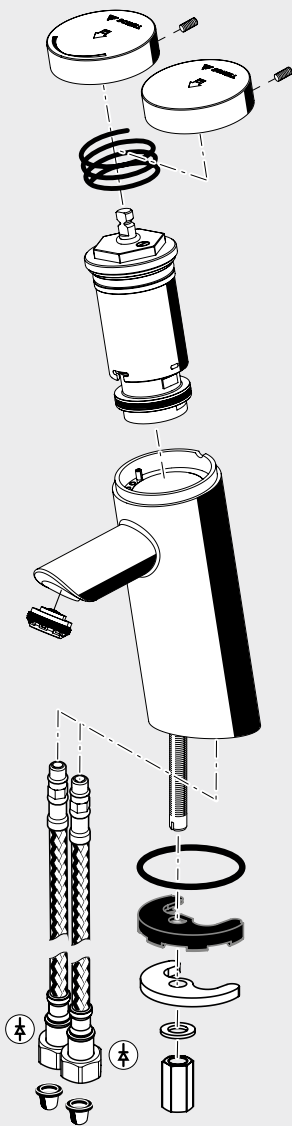
**Technical data**

• Flow max. 5 l/min pressure-independent  
• Surface: Chrome  
• Connection: M24 X 1 AG

PU 1, W: 0,02 kg/Piece

28 922 06 99

From May 2024



**Operating handle PURIS SC-M**  
mixed water  
for fittings from October 2006  
with pressure spring

chrome, PU 1, W: 0,15 kg/Piece

02 135 06 99



Can not be used for taps  
before October 2006



**Operating handle PURIS SC-K**  
cold water / premixed water  
for taps from October 2006  
with pressure spring

chrome, PU 1, W: 0,15 kg/Piece

02 116 06 99



Can not be used for taps  
before October 2006



**Self-closing cartridge**  
PETIT SC, XERIS SC, PURIS SC

mixed water

for taps from October 2006

PU 1, replaced cartridge 29 637 00 99, 29 716 00 99

29 736 00 99

cold water/premixed water

for taps from October 2006

PU 1, replaced cartridge 29 638 00 99, 29 651 00 99, 29 721 00 99

29 733 00 99



**Valve disc**

for self-closing taps, mixed water

PU 1, W: 0,02 kg/Piece

29 600 06 99



**Cage filter**

filter, mesh size: 500 µm

PU 1, W: 0,001 kg/Piece

62 805 00 99



**Recessed aerator max. 5 l/min pressure independent, theft-protected**

**Aerated jet**

For wash basin taps PURIS SC from 05/2024.

**Scope of delivery**

- Recessed aerator (theft-protected)

**Technical data**

- Flow: max. 5 l/min pressure independent
- Connection: M 24 x 1 AG

PU 1

28 940 00 99



**Flexible hose Clean-Fix S, PWC**

with stainless steel wire braiding,  
integrated backflow preventer and filter

PU 1, 410 mm, G 3/8 int. thread

10 269 06 99



**Flexible hose Clean-Fix S, PWH**

with stainless steel wire braiding,  
integrated backflow preventer and filter

PU 1, 410 mm, G 3/8 int. thread

10 270 06 99

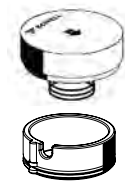


**Fastening set for wash basin taps**

- Threaded rod length M 8 x 70 mm

PU 1

25 907 00 99



Product description

Article  
number

**Betätigungsgriff PETIT SC**

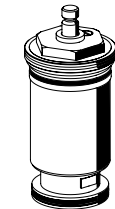
Betätigungsgriff mit Druckfeder und Blendring

chrom, PU 1, W: 0,13 kg/Piece

Version DZR, PU 1

25 883 06 99

25 849 06 99



**Self-closing cartridge**

PETIT SC, XERIS SC, PURIS SC

cold water/pre-mixed water

for taps from October 2006

PU 1, replaced cartridge 29 638 00 99, 29 651 00 99, 29 721 00 99

29 733 00 99



**Discharge ring PETIT SC**

discharge ring with O-Ring

plastic gray, PU 1, W: 0,007 kg/Piece

77 646 00 99



**Flow regulator max. 5.7 l/min pressure-independent, theft-proof**

**Aerated jet**

For all SCHELL wash basin taps PURIS E, PURIS SC until 05/2024, VENUS, CELIS, MODUS and PETIT. Not suitable for low pressure taps.

**Scope of delivery**

• Flow regulator with chrome sleeve, • Seal, • Flow regulator key

**Technical data**

• Flow: max. 1,5 gpm ≈ 5,7 l/min•

• Surface: Chrome

• Connection: M 24 x 1 AG

PU 1, W: 0,02 kg/Piece

02 121 06 99



**Flow regulator max. 5,0 l/min pressure-independent**

**Aerated jet**

For all SCHELL wash basin taps PURIS E, PURIS SC until 05/2024, VENUS, CELIS, MODUS and PETIT. Not suitable for low pressure taps.

**Scope of delivery**

• Flow regulator with chrome sleeve

• Seal

**Technical data**

• Flow max. 5 l/min pressure-independent

• Surface: Chrome

• Connection: M24 X 1 AG

PU 1, W: 0,02 kg/Piece

28 922 06 99

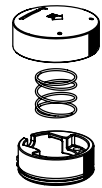
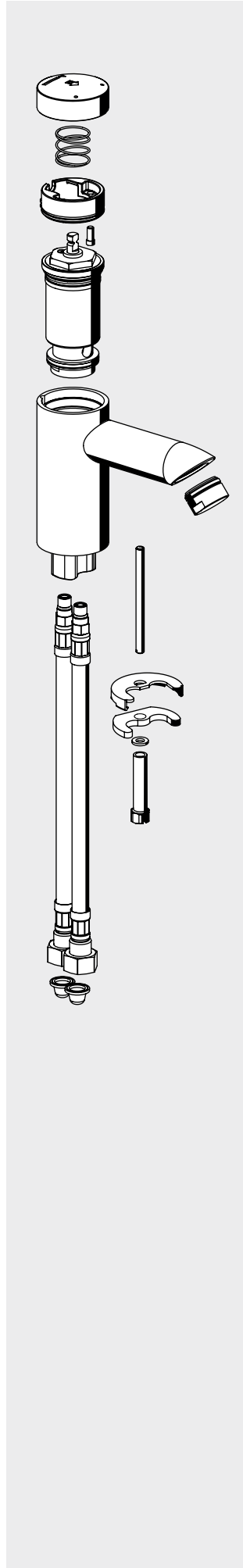


**Fastening set PETIT SC**

for wash basin connection

PU 1, W: 0,026 kg/Piece

25 944 00 99



**Operating handle PETIT SC-M**  
Operating handle with pressure spring and discharge ring  
chrome, PU 1, W: 0,12 kg/Piece

Article  
number  
  
  
  
  
  
  
  
  
  
**02 152 06 99**



**Self-closing cartridge  
PETIT SC, XERIS SC, PURIS SC**  
mixed water  
for taps from october Oktober 2006  
PU 1, replaced cartridge 29 637 00 99, 29 716 00 99

**29 736 00 99**



**Valve disc**  
for self-closing taps, mixed water  
PU 1, W: 0,02 kg/Piece

**29 600 06 99**



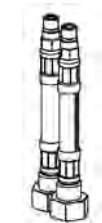
**Flow regulator max. 5.7 l/min pressure-independent, theft-proof  
Aerated jet**  
For all SCHELL wash basin taps PURIS E, PURIS SC until 05/2024,  
VENUS, CELIS, MODUS and PETIT. Not suitable for low pressure taps.  
**Scope of delivery**  
• Flow regulator with chrome sleeve, • Seal, • Flow regulator key  
**Technical data**  
• Flow: max. 1,5 gpm ≈ 5,7 l/min•  
• Surface: Chrome  
• Connection: M 24 x 1 AG  
PU 1, W: 0,02 kg/Piece

**02 121 06 99**



**Flow regulator max. 5,0 l/min pressure-independent  
Aerated jet**  
For all SCHELL wash basin taps PURIS E, PURIS SC until 05/2024,  
VENUS, CELIS, MODUS and PETIT. Not suitable for low pressure  
taps.  
**Scope of delivery**  
• Flow regulator with chrome sleeve  
• Seal  
**Technical data**  
• Flow max. 5 l/min pressure-independent  
• Surface: Chrome  
• Connection: M24 X 1 AG  
PU 1, W: 0,02 kg/Piece

**28 922 06 99**



**Flexible hose Clean-Fix-S with backflow preventer**  
Union nut G 3/8 IG x M 8 x 1  
length 380 mm, PU 1, W: 0,06 kg/Piece

**10 250 06 99**



**Cage filter**  
filter, mesh size: 500 µm  
PU 1, W: 0,001 kg/Piece

**62 805 00 99**

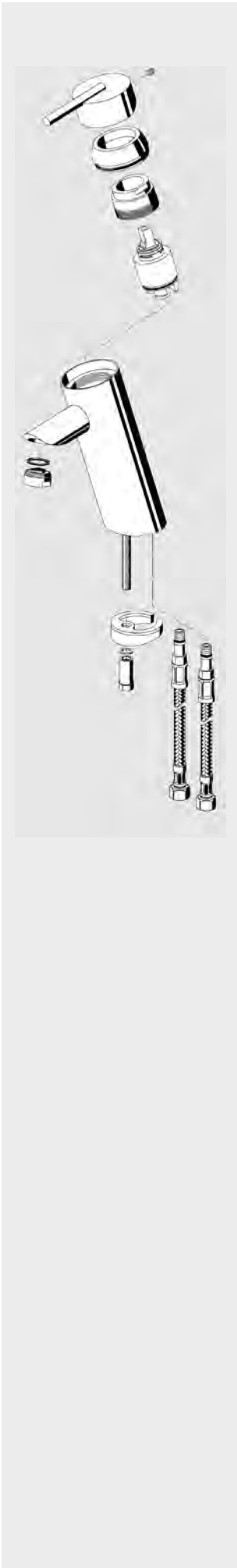


**Fastening set PETIT SC-M**  
PU 1, W: 0,073 kg/Piece

**25 990 00 99**

Spare parts  
wash basin, kitchen taps





| Product description | Article number |
|---------------------|----------------|
|---------------------|----------------|

**Operating handle**  
solid brass  
chrome, PU 1, W: 0,23 kg/Piece

02 102 06 99



**Cap and screw fitting**  
chrome, PU 1, W: 0,20 kg/Piece

02 103 06 99



**Cartridge**  
with hot water limiter and adjustable volume control  
PU 1, W: 0,06 kg/Piece

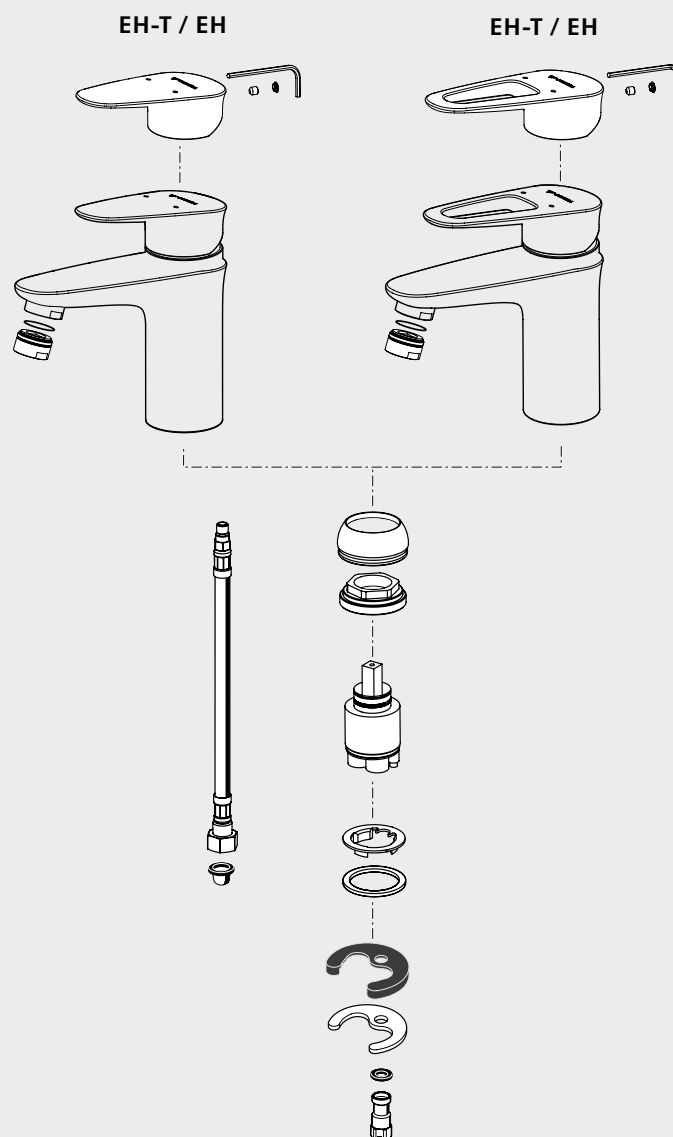
02 104 00 99



**Flow regulator max. 5,0 l/min pressure-independent**  
**Aerated jet**  
For all SCHELL wash basin taps PURIS E, PURIS SC until 05/2024, VENUS, CELIS, MODUS and PETIT. Not suitable for low pressure taps.  
**Scope of delivery**  
• Flow regulator with chrome sleeve  
• Seal  
**Technical data**  
• Flow max. 5 l/min pressure-independent  
• Surface: Chrome  
• Connection: M24 X 1 AG  
PU 1, W: 0,02 kg/Piece

28 922 06 99





## Product description

Article  
number**Operating handle MODUS EH-T / EH**

short, incl. cap, screw an key

chrome, PU 1

69 997 06 99

**Bracket handle MODUS EH-T / EH**

incl. cap, screw an key

chrome, PU 1

69 996 06 99

**Flow regulator max. 5,0 l/min pressure-independent****Aerated jet**

For all SCHELL wash basin taps PURIS E, PURIS SC until 05/2024, VENUS, CELIS, MODUS and PETIT. Not suitable for low pressure taps.

**Scope of delivery**

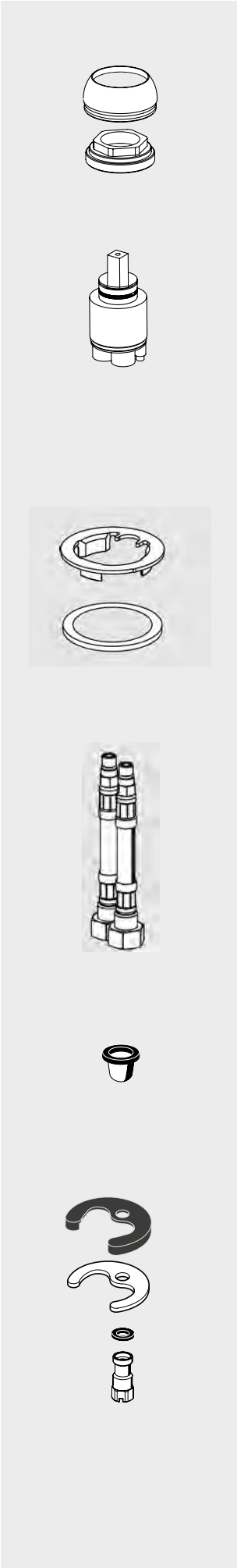
- Flow regulator with chrome sleeve
- Seal

**Technical data**

- Flow max. 5 l/min pressure-independent
- Surface: Chrome
- Connection: M24 X 1 AG

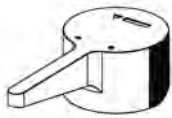
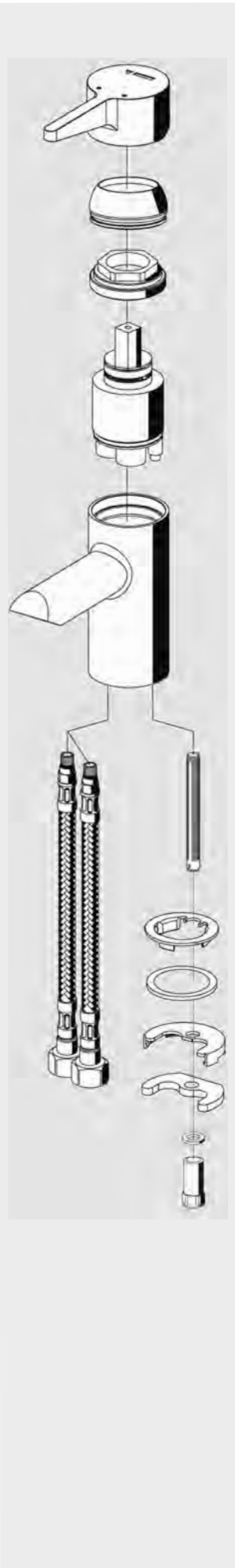
PU 1, W: 0,02 kg/Piece

28 922 06 99



| Product description  | Article number |
|--|----------------|
| <b>Wall cover plate MODUS</b><br>mit screw connection piece<br>chrome, PU 1, W: 0,01 kg/Piece  | 02 144 00 99   |
| <b>Cartridge for MODUS EH</b><br>with hot water limiter and adjustable volume control<br>for article 02 181 06 99 and 02 183 06 99<br>PU 1, W: 0,06 kg/Piece | 02 104 00 99   |
| <b>Cartridge for MODUS EH-T</b><br>with thermostat max. 38 °C<br>for article 02 180 06 99 and 02 182 06 99<br>PU 1, W: 0,06 kg/Piece                         | 02 184 00 99   |
| <b>Seal disc MODUS</b><br>with rubber gasket<br>PU 1, W: 0,004 kg/Piece  | 77 662 00 99   |
| <b>Flexible hose Clean-Fix DN 6 with backflow preventer</b><br>Union nut G 3/8 IG x M 8 x 1<br>length 440 mm, PU 1   | 10 268 06 99   |
| <b>Cage filter</b><br>filter, mesh size: 500 µm<br>PU 1, W: 0,001 kg/Piece   | 62 805 00 99   |
| <b>Fastening set for wash basin draw off taps</b><br>PU 1  | 25 998 00 99   |

Spare parts  
wash basin, kitchen taps



Product description

Article  
number

**Operating handle MODUS EH**  
chrome, PU 1, W: 0,13 kg/Piece

25 983 06 99



**Wall cover plate MODUS**  
mit screw connection piece  
chrome, PU 1, W: 0,01 kg/Piece

02 144 06 99



**Cartridge**  
with hot water limiter and adjustable volume control  
PU 1, W: 0,06 kg/Piece

02 104 00 99



**Flow regulator max. 5,0 l/min pressure-independent**  
**Aerated jet**  
For all SCHELL wash basin taps PURIS E, PURIS SC until 05/2024, VENUS, CELIS, MODUS and PETIT. Not suitable for low pressure taps.  
**Scope of delivery**  
• Flow regulator with chrome sleeve  
• Seal  
**Technical data**  
• Flow max. 5 l/min pressure-independent  
• Surface: Chrome  
• Connection: M24 X 1 AG

PU 1, W: 0,02 kg/Piece

28 922 06 99

**6 l/min regulated**  
chrome, PU 1, W: 0,02 kg/Piece

28 919 06 99



**Seal disc MODUS**  
with rubber gasket  
PU 1, W: 0,004 kg/Piece

77 662 00 99



**Fastening set for wash basin draw off taps**  
PU 1, W: 0,08 kg/Piece

25 988 00 99

| Product description | Article number |
|---------------------|----------------|
|---------------------|----------------|

|   |              |
|---|--------------|
| <b>Wall cover plate MODUS K, HD-K</b><br>mit screw connection piece<br>chrome, PU 1 | 02 145 06 99 |
|---|--------------|

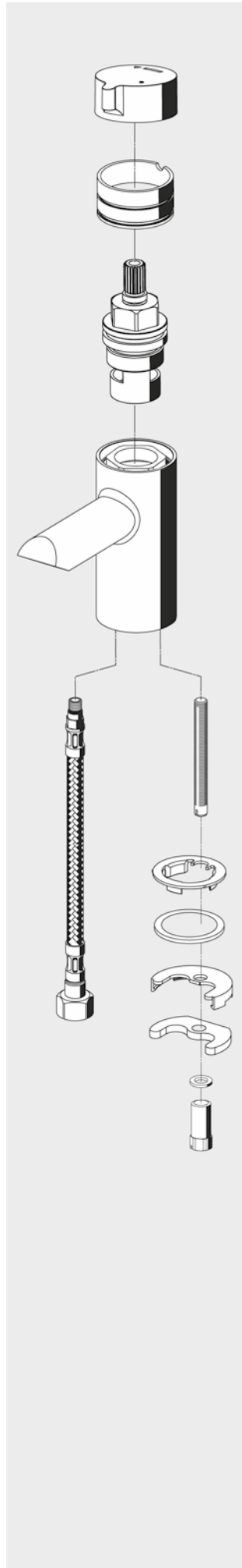
|  |              |
|--|--------------|
| <b>Ceramic head part MODUS K</b><br>PU 1, W: 0,07 kg/Piece | 22 165 00 99 |
|--|--------------|

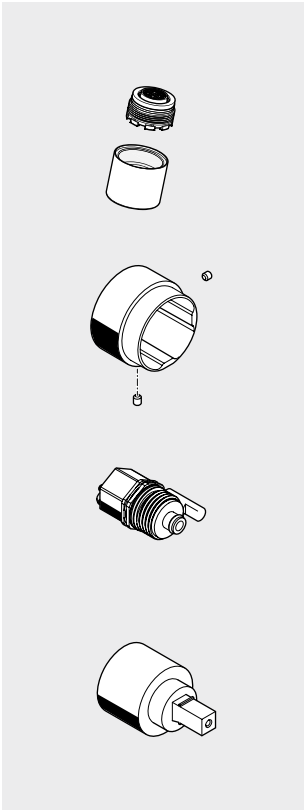
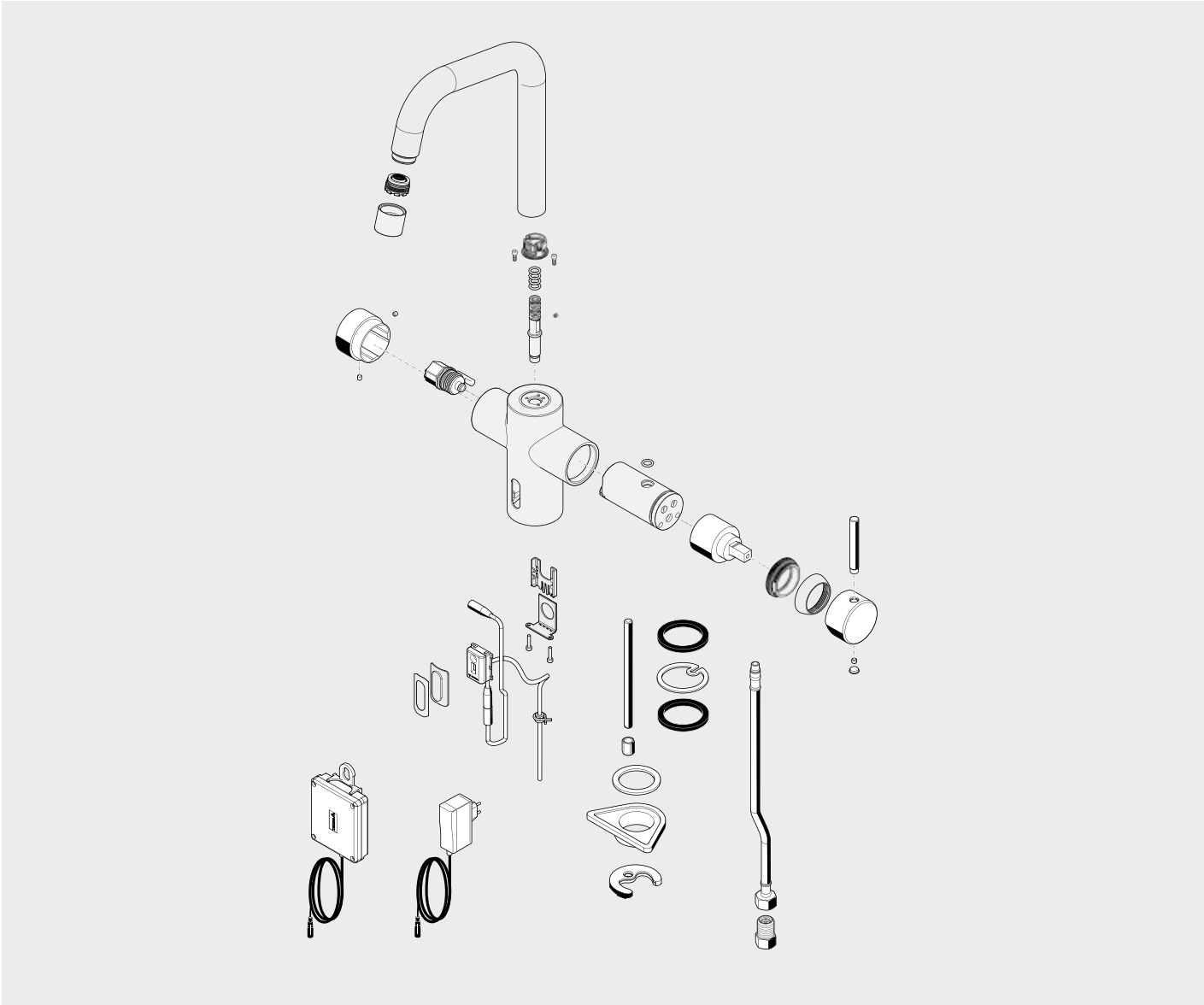
|  |                              |
|--|------------------------------|
| <b>Flow regulator max. 5,0 l/min pressure-independent</b><br><b>Aerated jet</b><br>For all SCHELL wash basin taps PURIS E, PURIS SC until 05/2024, VENUS, CELIS, MODUS and PETIT. Not suitable for low pressure taps.<br><b>Scope of delivery</b> <ul style="list-style-type: none"><li>Flow regulator with chrome sleeve</li><li>Seal</li></ul> <b>Technical data</b> <ul style="list-style-type: none"><li>Flow max. 5 l/min pressure-independent</li><li>Surface: Chrome</li><li>Connection: M24 X 1 AG</li></ul> <b>PU 1, W: 0,02 kg/Piece</b><br><b>6 l/min regulated</b><br>chrome, PU 1, W: 0,02 kg/Piece | 28 922 06 99<br>28 919 06 99 |
|--|------------------------------|

|   |              |
|---|--------------|
| <b>Seal disc MODUS</b><br>with rubber gasket<br>PU 1, W: 0,004 kg/Piece | 77 662 00 99 |
|---|--------------|

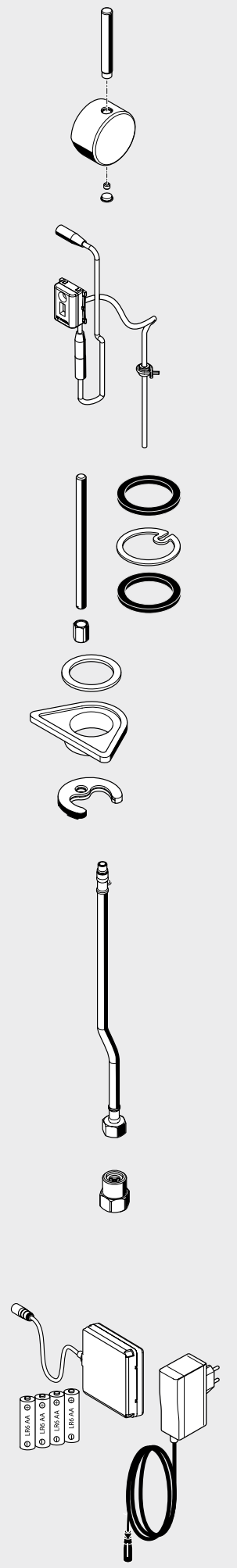
|   |              |
|---|--------------|
| <b>Fastening set for wash basin draw off taps</b><br>PU 1, W: 0,08 kg/Piece | 25 988 00 99 |
|---|--------------|

Spare parts  
wash basin, kitchen taps





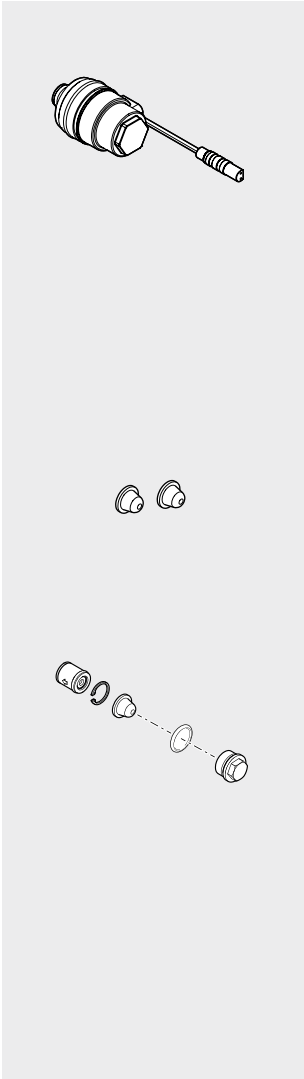
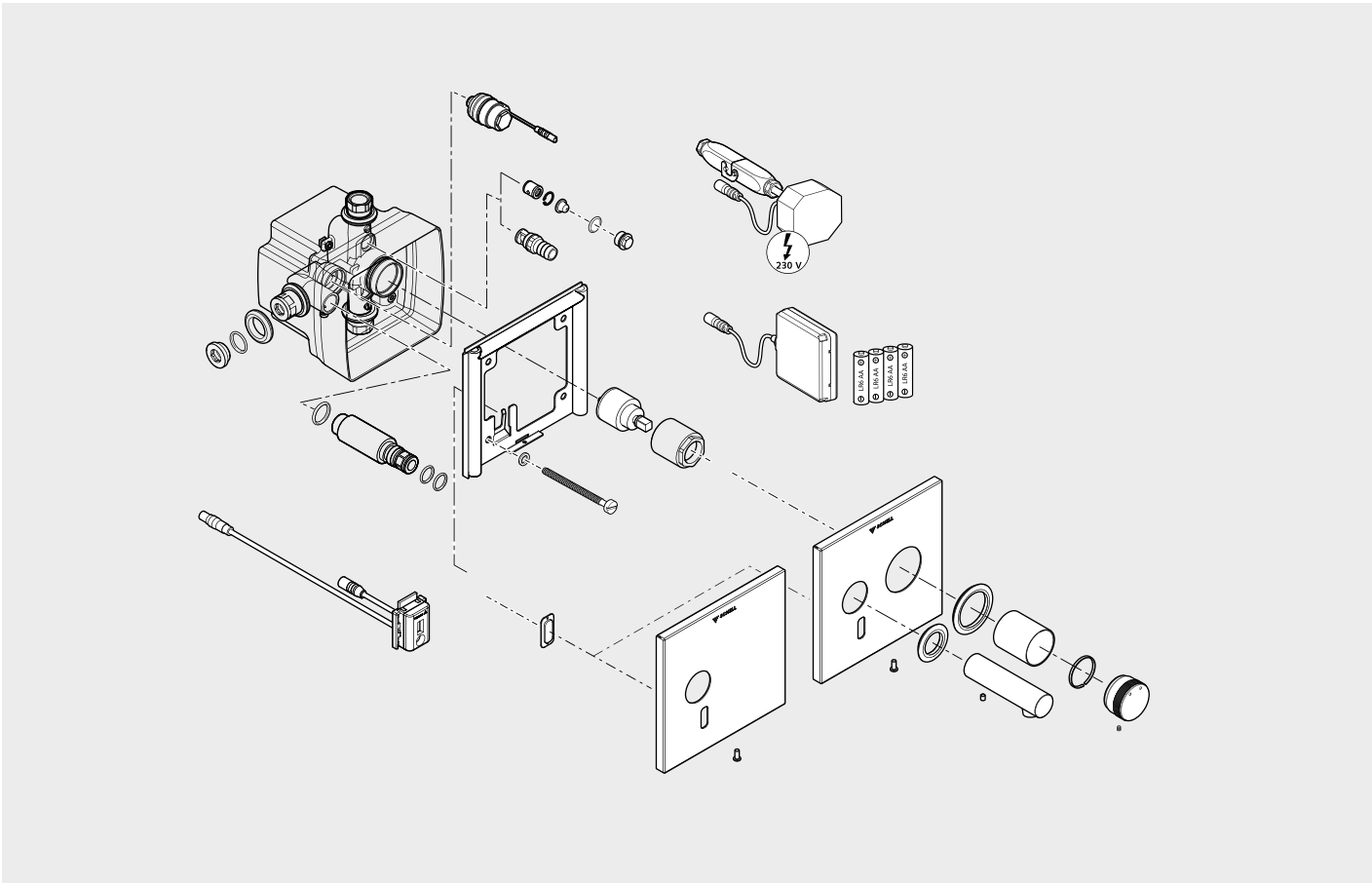
| Product description  | Article number               |
|--|------------------------------|
| <b>Flow regulator GRANDIS E</b><br>without sleeve<br>max. 4,5 l/min, PU 1<br>max. 10,0 l/min, PU 1 | 28 934 06 99<br>28 935 06 99 |
| <b>Cover GRANDIS E</b><br>incl. screws<br>chrome, PU 1   | 29 751 06 99                 |
| <b>Cartridge valve GRANDIS E, 6 V</b><br>PU 1  | 00 924 00 99                 |
| <b>Ceramic cartridge GRANDIS E</b><br>PU 1   | 29 747 00 99                 |



| Product description   | Article number |
|---|----------------|
| <b>Operating handle GRANDIS E</b><br>incl. cap and screw<br>PU 1  | 29 752 06 99   |
| <b>Electronic module GRANDIS E</b><br>PU 1  | 29 730 00 99   |
| <b>Fastening set GRANDIS E</b><br>PU 1  | 29 754 00 99   |
| <b>Flexible hose</b><br>PU 1, 450 mm, G 3/8 union nut, M8x1   | 10 266 06 99   |
| <b>Pre-filter mixed water MODUS E</b><br>with backflow preventer and strainer<br>PU 1, G 3/8 IG/AG, mesh size 250 µm  | 29 753 06 99   |
| <b>Excerpt from product group 13</b><br><b>Battery compartment universal 6 V</b><br>for electronic wash basin fittings<br>incl. 4 Alkaline batteriesTyp AA<br>PU 1, W: 0,20 kg/Piece  | 01 557 00 99   |
| <b>Transformer with plug 100 - 240 V / 50 - 60 Hz / 9 V</b><br>suitable for wash basin fittings GRANDIS E and XERIS E, PURIS E,VENUS E, CELIS E from 09/2016 and for SWS Wireless manager FM plug connect. for electronic three poles<br>PU 1, W: 0,07 kg/Piece | 00 912 00 99   |

Spare parts  
wash basin, kitchen taps





Product description

Article  
number

Excerpt from product group 29

**Cartridge valve 6 V with integrated pre-filter**

for SCHELLTRONIC / SCHELLMATIC / COMPACT HF /  
RETROFIT HF / EDITION E MANUAL /  
COMPACT EDITION E / COMPACT LC / RETROFIT LC /  
LINUS D-E-T / LINUS D-E-T ECO / LINUS D-E-V /  
LINUS D-E-V ECO / LINUS D-P-T / LINUS BASIC D-P-T /  
LINUS D-C-T / LINUS BASIC D-C-T / LINUS D-C-M /  
LINUS BASIC D-C-M / shower panel DP-P-T, DP-C-T /  
DP-C-T-H, DP-C-T-D-H / VITUS VW-C-T / VITUS VD-C-T  
Model with circular connection

PU 1, W: 0,04 kg/Piece

01 442 00 99

**Cage filter-Set LINUS**

filter, mesh size: 500 µm

PU 1, W: 0,01 kg/Piece

02 004 00 99

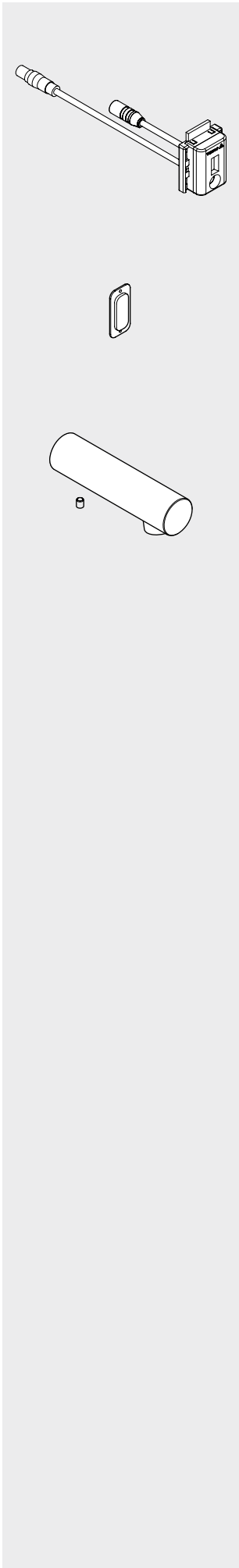
**Filter-Set LINUS**

**Comprises:**

- backflow preventer
- cage filter, mesh size: 500 µm
- locking ring
- plug

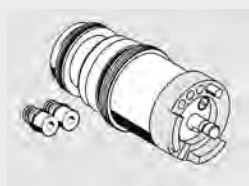
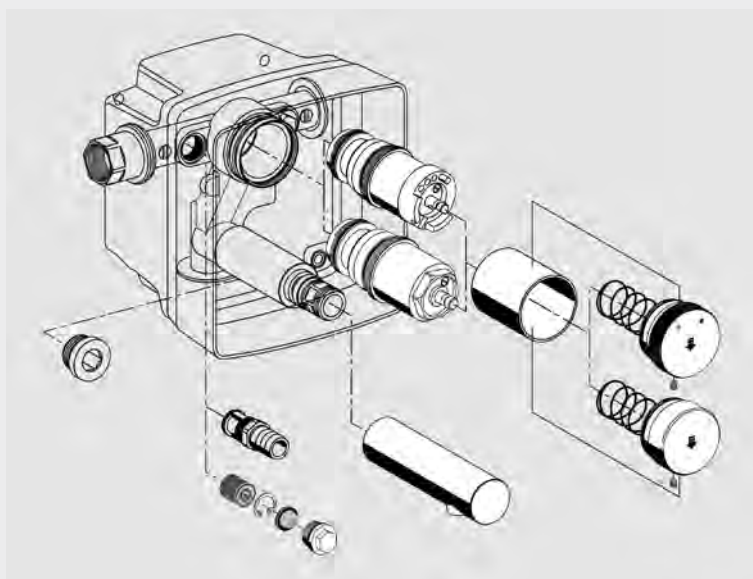
chrome, PU 1, W: 0,02 kg/Piece

02 005 00 99



| Product description   | Article number           |
|---|--------------------------|
| <b>Universal electronic LINUS E</b>   |                          |
| <u>110 mm outreach</u><br>PU 1  | 21 705 00 99             |
| <u>170 mm outreach</u><br>PU 1  | 21 706 00 99             |
| <u>230 mm outreach</u><br>PU 1  | 21 707 00 99             |
| <br><b>Sensor window VITUS / LINUS</b><br>incl adhesive tape<br>PU 1, W: 0,014 kg/Piece | <br><br><br>77 734 00 99 |
| <br><b>Wall-mounted faucets LINUS / VITUS</b><br>for W-SCM, W-SC-V and W-EH-M           |                          |
| end section 110 mm, 5 l/min, chrome, PU 1, W: 0,34 kg/Piece                             | 24 746 06 99             |
| end section 170 mm, 5 l/min, chrome, PU 1, W: 0,53 kg/Piece                             | 24 747 06 99             |
| end section 230 mm, 5 l/min, chrome, PU 1, W: 0,70 kg/Piece                             | 24 748 06 99             |

Spare parts  
wash basin, kitchen taps



## Product description

Article  
number**Self-closing cartridge LINUS SC II-M**

model 2010

self-closing - mixed water

PU 1, W: 0,23 kg/Piece

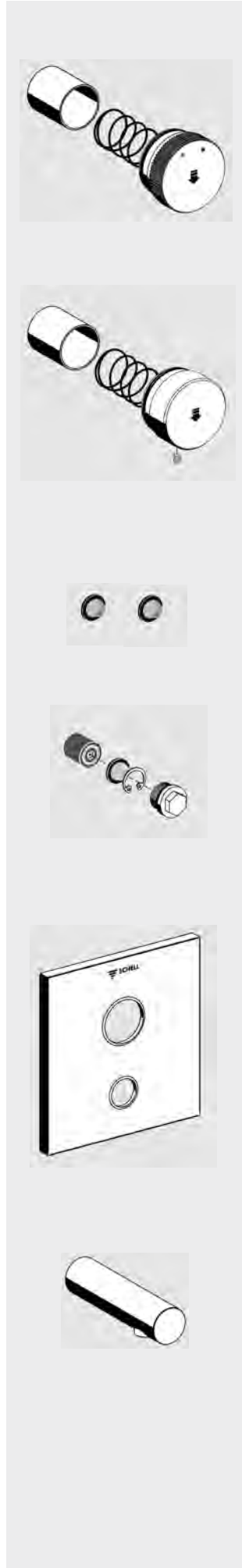
**29 652 00 99****Self-closing cartridge LINUS SC II-V**

model 2010

self-closing - cold water / premixed water

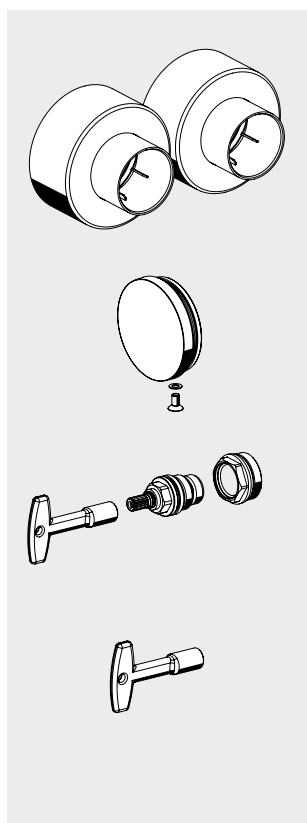
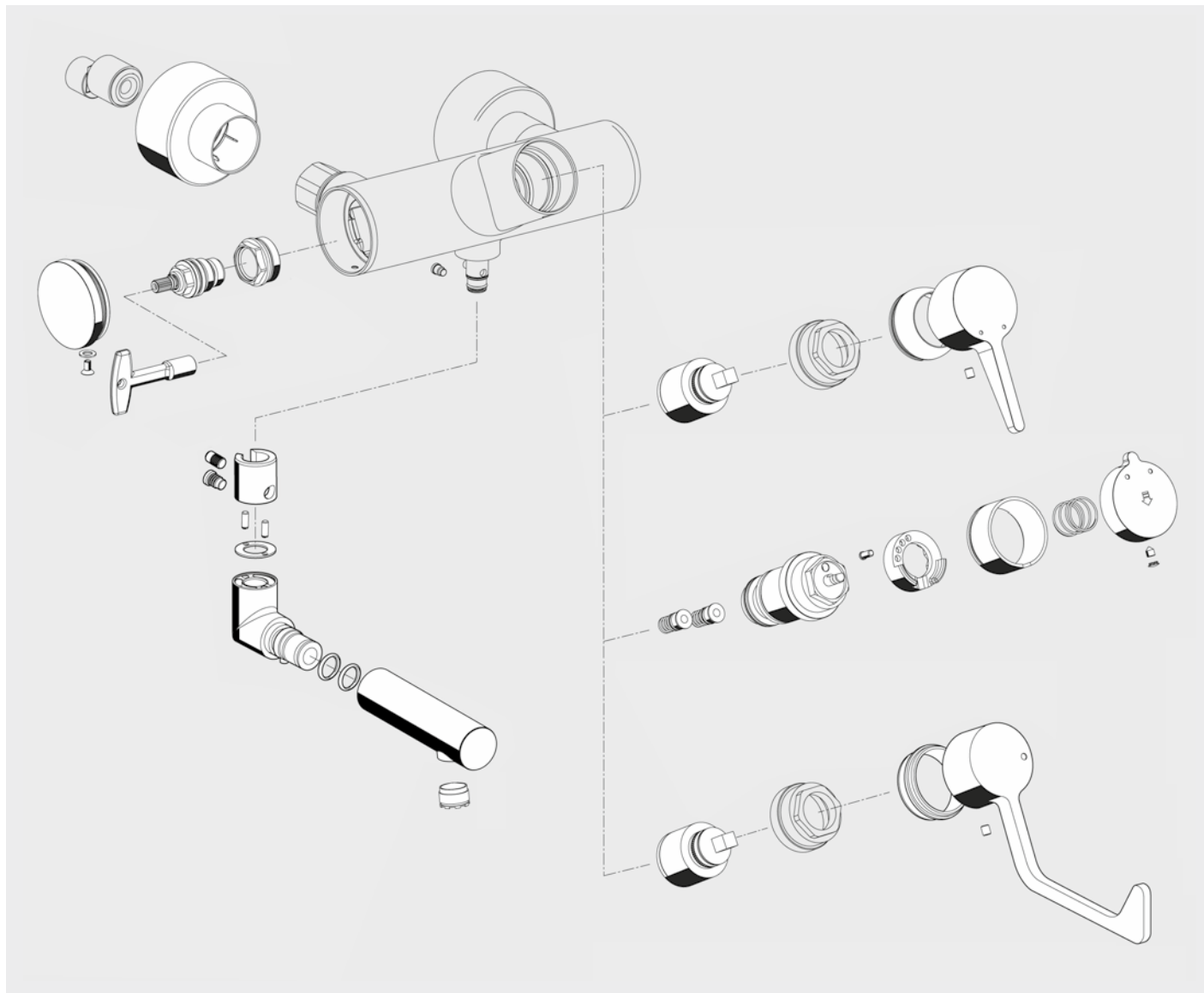
PU 1, W: 0,23 kg/Piece

**29 653 00 99**



| Product description  | Article number                               |
|--|--|
| <b>Operating button LINUS SC-M</b><br>self-closing - mixed water<br>chrome, PU 1, W: 0,22 kg/Piece   | 29 545 06 99                                 |
| <b>Operating button LINUS SC-V</b><br>self-closing - cold water / premixed water<br>chrome, PU 1, W: 0,22 kg/Piece   | 29 517 06 99                                 |
| <b>Cage filter-Set LINUS</b><br>filter, mesh size: 500 µm<br>PU 1, W: 0,01 kg/Piece  | 02 004 00 99                                 |
| <b>Filter-Set LINUS</b><br>Comprises:<br>-backflow preventer<br>- cage filter, mesh size: 500 µm<br>- locking ring<br>- plug<br>chrome, PU 1, W: 0,02 kg/Piece   | 02 005 00 99                                 |
| <b>Front panel LINUS W-SC-M / W-SC-V</b><br>with frame and fastening material<br>chrome, PU 1, W: 0,96 kg/Piece<br>stainless steel, PU 1, W: 0,96 kg/Piece   | 25 231 06 99<br>25 231 28 99                 |
| <b>Wall-mounted faucets LINUS / VITUS</b><br>for W-SCM, W-SC-V and W-EH-M<br>end section 110 mm, 5 l/min, chrome, PU 1, W: 0,34 kg/Piece<br>end section 170 mm, 5 l/min, chrome, PU 1, W: 0,53 kg/Piece<br>end section 230 mm, 5 l/min, chrome, PU 1, W: 0,70 kg/Piece | 24 746 06 99<br>24 747 06 99<br>24 748 06 99 |

Spare parts  
wash basin, kitchen taps



## Product description

Article  
number**Wall cover plate-Set VITUS**

chrome, PU 1, W: 0,12 kg/Piece

**27 830 06 99****Cap VITUS**

chrome, PU 1, W: 0,09 kg/Piece

**69 967 06 99****Head part with bleed key**

for performance of thermal disinfection

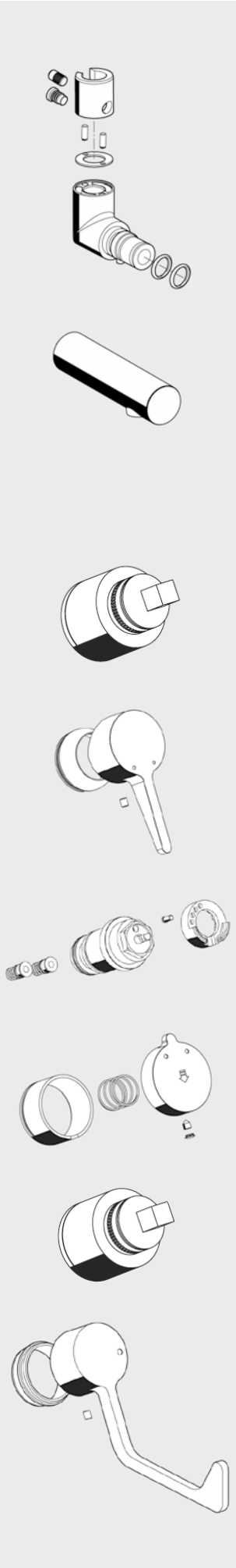
chrome, PU 1, W: 0,11 kg/Piece

**22 168 00 99****Bleed Key VITUS**

for performance of thermal disinfection

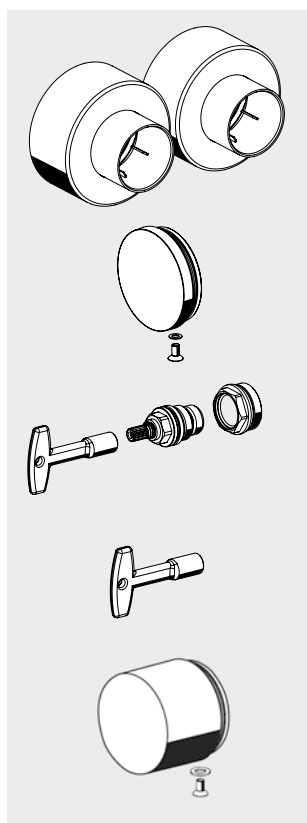
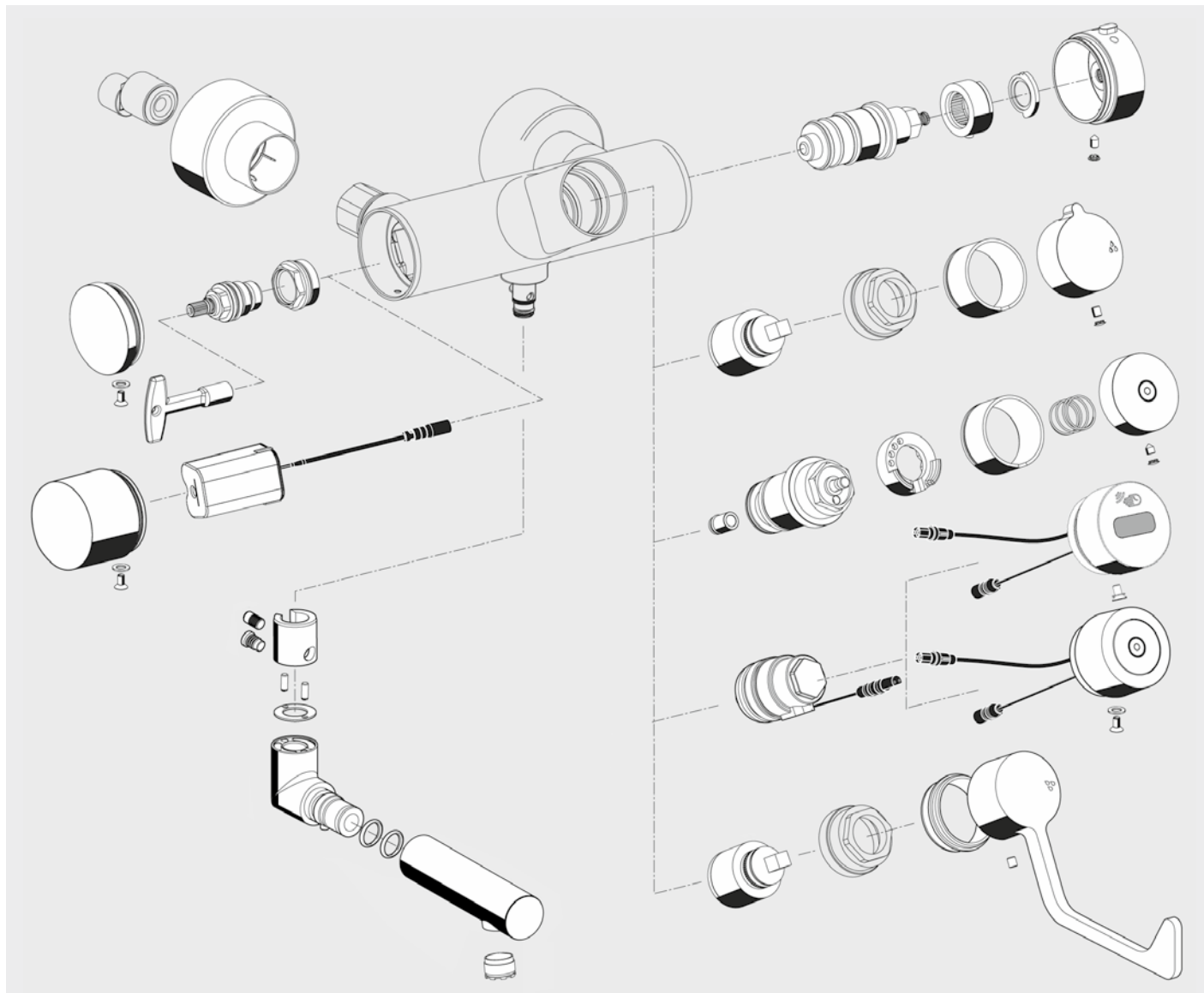
PU 1, W: 0,01 kg/Piece

**78 241 00 99**



| Product description   | Article number  |
|---|---|
| <b>Cover valve VITUS</b><br>chrome, PU 1, W: 0,27 kg/Piece  | 24 768 06 99  |
| <b>Wall-mounted faucet LINUS / VITUS / WALIS*</b><br>end section 110 mm, 5 l/min, chrome, PU 1, W: 0,34 kg/Piece<br>end section 170 mm, 5 l/min, chrome, PU 1, W: 0,53 kg/Piece<br>end section 230 mm, 5 l/min, chrome, PU 1, W: 0,70 kg/Piece<br><br>end section 110 mm, 7,5-9 l/min, chrome, PU 1, W: 0,34 kg/Piece<br>end section 170 mm, 7,5-9 l/min, chrome, PU 1, W: 0,53 kg/Piece<br>end section 230 mm, 7,5-9 l/min, chrome, PU 1, W: 0,70 kg/Piece | 24 746 06 99*<br>24 747 06 99*<br>24 748 06 99*<br><br>24 765 06 99<br>24 766 06 99<br>24 767 06 99 |
| <b>Single-lever cartridge VITUS</b><br>PU 1, W: 0,06 kg/Piece   | 29 634 00 99  |
| <b>Operating handle VITUS EH</b><br>PU 1, W: 0,14 kg/Piece  | 25 989 06 99  |
| <b>Self-closing cartridge VITUS</b><br>PU 1, W: 0,25 kg/Piece   | 29 685 00 99  |
| <b>Operating button VITUS SC-M</b><br>PU 1, W: 0,08 kg/Piece  | 29 680 06 99  |
| <b>Mixed water cartridge VITUS</b><br>PU 1, W: 0,08 kg/Piece  | 29 687 00 99  |
| <b>Arm-lever mixed water VITUS</b><br>chrome, PU 1, W: 0,34 kg/Piece  | 29 686 06 99  |

Spare parts  
wash basin, kitchen taps



## Product description

Article  
number**Wall cover plate-Set VITUS**

chrome, PU 1, W: 0,12 kg/Piece

27 830 06 99

**Cap VITUS**

chrome, PU 1, W: 0,09 kg/Piece

69 967 06 99

**Head part with bleed key**

for performance of thermal disinfection

chrome, PU 1, W: 0,11 kg/Piece

22 168 00 99

**Bleed Key VITUS**

for performance of thermal disinfection

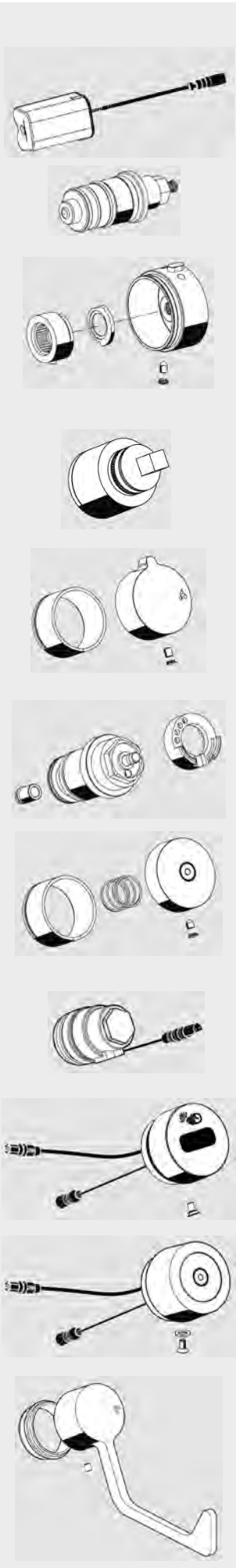
PU 1, W: 0,01 kg/Piece

78 241 00 99

**Cap VITUS for fitting with battery compartment**

chrome, PU 1, W: 0,23 kg/Piece

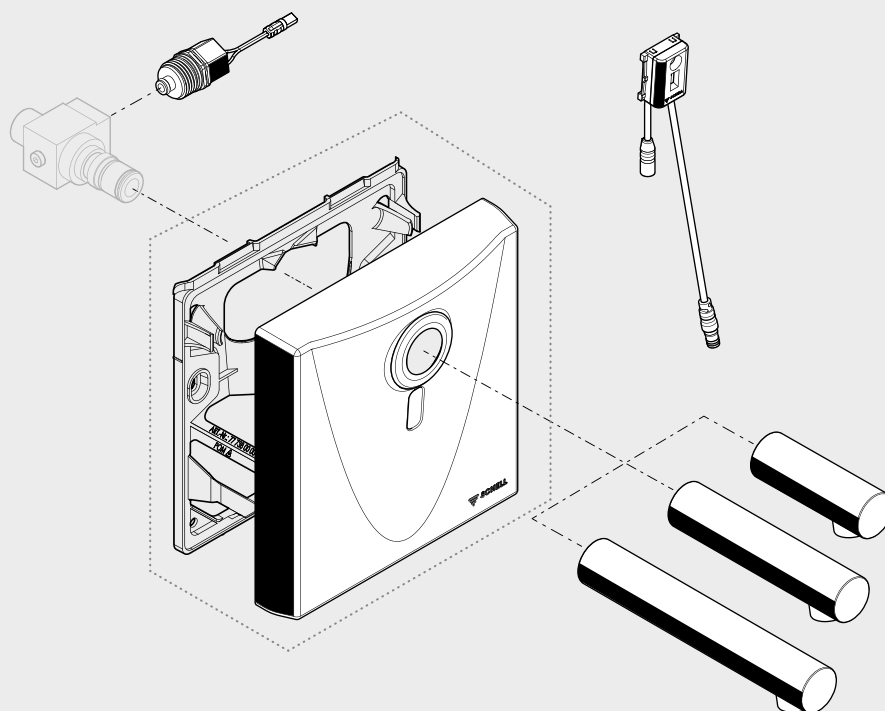
69 968 06 99



| Product description  | Article number |
|--|----------------|
| <b>Battery compartment VITUS incl. batteries</b><br>PU 1, W: 0,11 kg/Piece   | 01 925 00 99   |
| <b>Thermostat cartridge VITUS</b><br>PU 1, W: 0,26 kg/Piece  | 29 676 00 99   |
| <b>Operating button Thermostat VITUS</b><br>chrome, PU 1, W: 0,25 kg/Piece   | 23 103 06 99   |
| <b>Open/Close-cartridge 90° VITUS</b><br>PU 1, W: 0,08 kg/Piece  | 29 677 00 99   |
| <b>Operating button Open/Close 90° VITUS</b><br>chrome, PU 1, W: 0,09 kg/Piece   | 23 104 06 99   |
| <b>Self-closing cartridge VITUS</b><br>PU 1, W: 0,21 kg/Piece  | 29 684 00 99   |
| <b>Operating button VITUS SC-T</b><br>chrome, PU 1, W: 0,08 kg/Piece   | 29 678 06 99   |
| <b>Cartridge valve 6 V with integrated pre-filter</b><br>PU 1, W: 0,04 kg/Piece  | 01 442 00 99   |
| <b>Electronic module VITUS VW E-T</b><br>for exposed wash basin fitting VITUS VW-E-T<br>chrome, PU 1, W: 0,15 kg/Piece | 23 109 06 99   |
| <b>CVD-Touch-Electronic VITUS</b><br>for exposed wash basin fitting VITUS VW-C-T<br>chrome, PU 1, W: 0,18 kg/Piece     | 01 589 06 99   |
| <b>Arm-lever thermostat VITUS</b><br>chrome, PU 1, W: 0,34 kg/Piece  | 29 688 06 99   |

Spare parts  
wash basin, kitchen taps





## Product description

Article  
number**Solenoid valve DN5**for exposed wash basin fittings WALIS  
version with round plug

PU 1

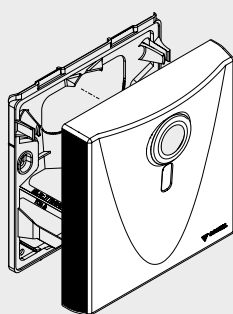
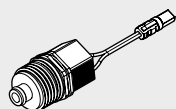
00 918 00 99

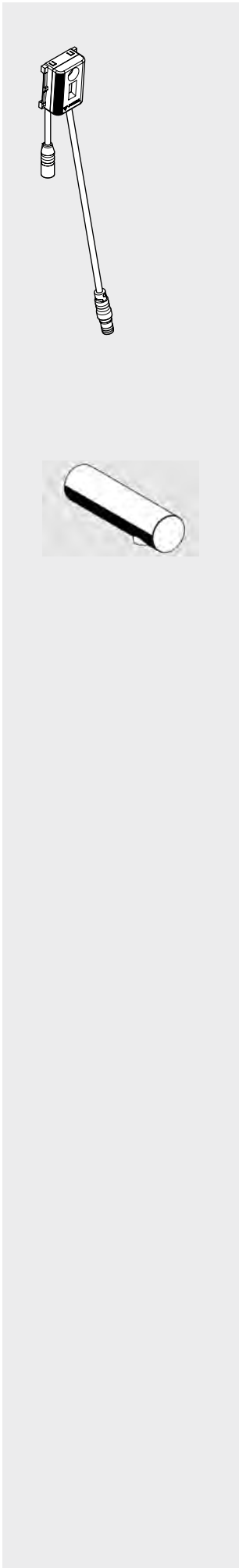
**Front panel WALIS E complete**

with holding frame

Plastic, chrome, PU 1

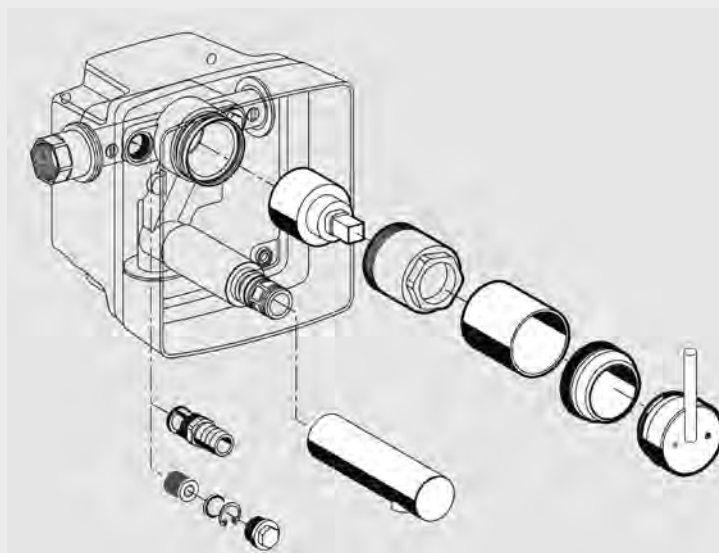
25 995 06 99





| Product description   | Article number |
|---|----------------|
| <b>Electronic module WALIS E</b>                            |                |
| for projection 130 mm, article 01 950 06 99, PU 1           | 29 707 00 99   |
| for projection 190 mm, article 01 951 06 99, PU 1           | 29 708 00 99   |
| for projection 250 mm, article 01 952 06 99, PU 1           | 29 709 00 99   |
| <br><b>Wall-mounted faucet LINUS / VITUS / WALIS</b>        |                |
| for W-SCM, W-SC-V and W-EH-M                                |                |
| end section 110 mm, 5 l/min, chrome, PU 1, W: 0,34 kg/Piece | 24 746 06 99   |
| end section 170 mm, 5 l/min, chrome, PU 1, W: 0,53 kg/Piece | 24 747 06 99   |
| end section 230 mm, 5 l/min, chrome, PU 1, W: 0,70 kg/Piece | 24 748 06 99   |

Spare parts  
wash basin, kitchen taps



## Product description

Article  
number**Lever LINUS W-EH-M**

for wall mounted faucet mixed water

chrome, PU 1, W: 0,17 kg/Piece

**23 069 06 99****Mixed water cartridge LINUS**

for concealed wash basin fitting / shower fitting LINUS

PU 1, W: 0,06 kg/Piece

**29 613 00 99****Push sleeve LINUS with wall cover plate**for concealed wash basin fitting / shower fitting  
LINUS

chrome, PU 1, W: 0,14 kg/Piece

**29 623 06 99****Cage filter-Set LINUS**

filter, mesh size: 500 µm

PU 1, W: 0,01 kg/Piece

**02 004 00 99****Filter-set LINUS****Comprises:**

- backflow preventer
- cage filter, mesh size: 500 µm
- locking ring
- plug

PU 1, W: 0,02 kg/Piece

**02 005 00 99****Wall-mounted faucets LINUS / VITUS**

end section 110 mm, 5 l/min, chrome, PU 1, W: 0,34 kg/Piece

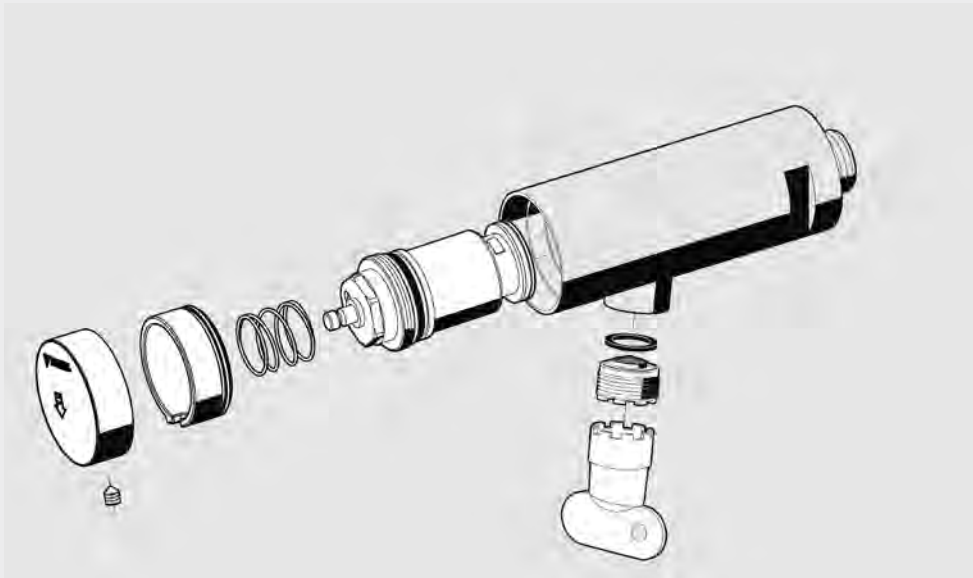
**24 746 06 99**

end section 170 mm, 5 l/min, chrome, PU 1, W: 0,53 kg/Piece

**24 747 06 99**

end section 230 mm, 5 l/min, chrome, PU 1, W: 0,70 kg/Piece

**24 748 06 99**



Product description

Article  
number

**Operating handle PETIT SC**  
self-closing - cold water / premixed water  
with discharge ring, version from 2017  
chrome, PU 1

25 897 06 99

**Self-closing cartridge PETIT SC**

Cold water / premixed water  
for fittings until end 2016  
PU 1, W: 0,20 kg/Piece

29 660 00 99

Cold water / premixed water  
for fittings from 2017

PU 1, replaced cartridge 29 638 00 99, 29 651 00 99, 29 721 00 99

29 733 00 99

**Flow regulator UNIVERSAL**  
theft sale for wash basin fitting LINUS/PETIT

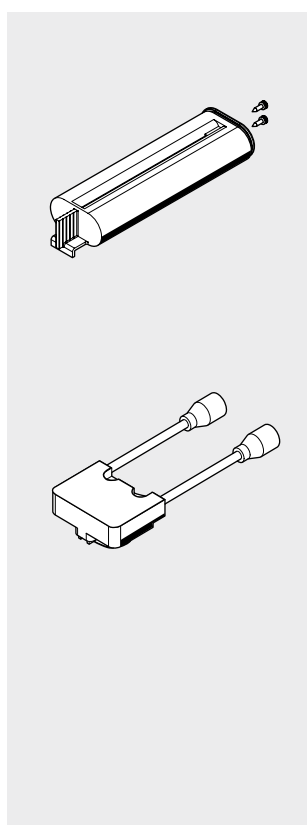
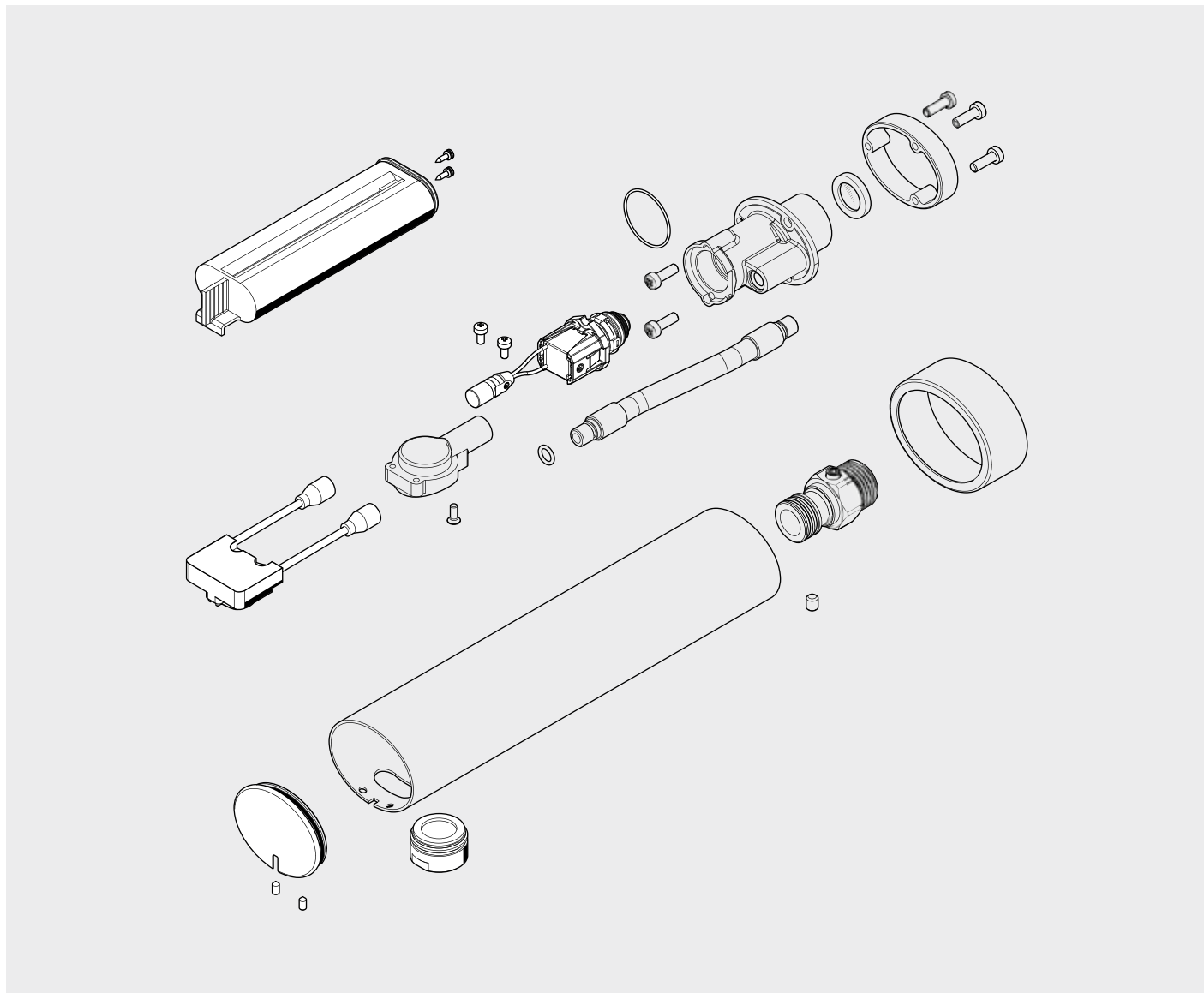
**Comprises:**  
Flow regulator with key

**Use / Technical Data:**  
Flow rate: 5,0 l/min (independent of pressure)

PU 1, W: 0,01 kg/Piece

02 007 00 99





## Product description

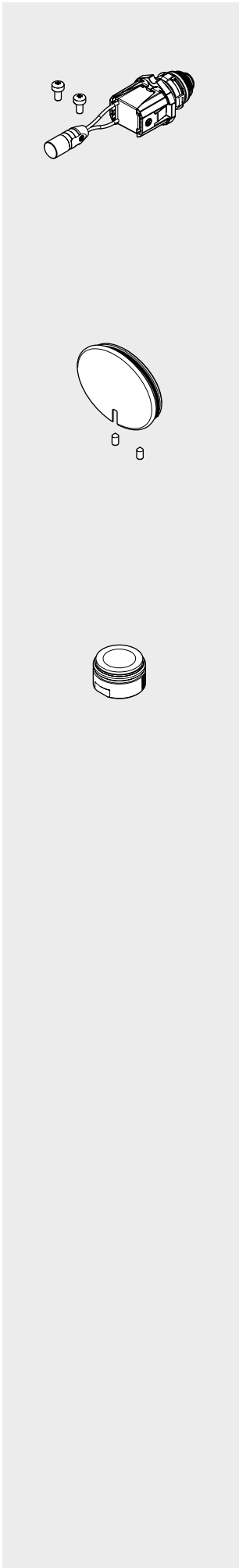
Article  
number**Battery compartment MODUS E**

PU 1

**29 746 00 99****Elektronic module MODUS E**

PU 1

**29 745 00 99**



| Product description   | Article number                               |
|---|--|
| <b>Solenoid valve, bistable</b><br>6 V, DN 5<br>PU 1  | 00 923 00 99                                 |
| <b>Cap MODUS E</b><br>incl. screws<br>chrome, PU 1  | 29 750 06 99                                 |
| <b>Flow regulator</b><br>without sleeve, for reducing the flow rate<br>with the same level of comfort.<br>1,32 l/min pressure independent, 0,35 GPM, PU 1<br>3,0 l/min pressure independent, 0,79 GPM, PU 1<br>5,0 l/min pressure independent, 1,32 GPM, PU 1 | 28 931 00 99<br>28 932 00 99<br>28 933 00 99 |

Spare parts  
wash basin, kitchen taps



## Spare parts

### ▪ Concealed shower fittings

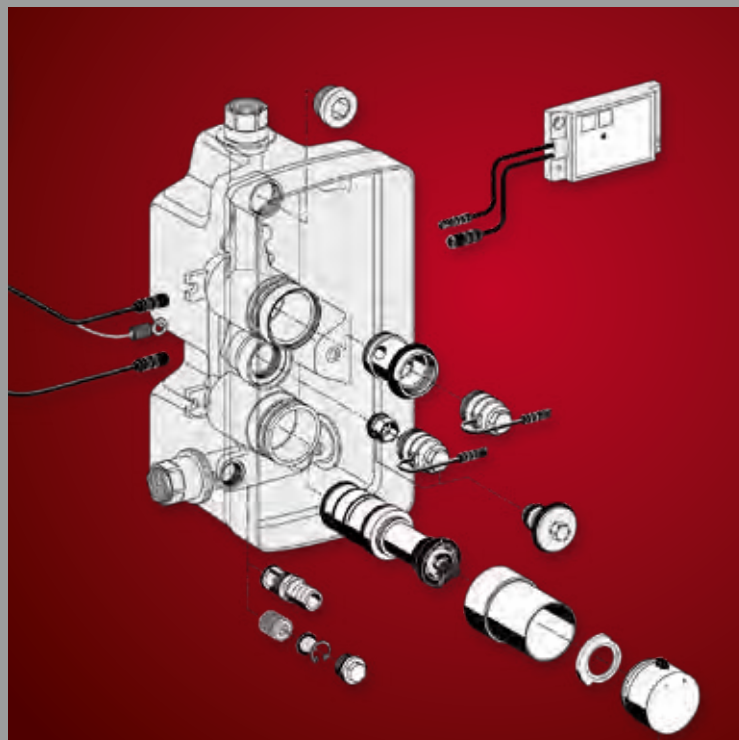
|                                      |           |
|--------------------------------------|-----------|
| - LINUS D-E-T / D-E-T ECO            | 414 - 415 |
| - LINUS D-E-V / D-E-V ECO            | 416 - 417 |
| - LINUS D-C-T / BASIC D-C-T          | 418 - 419 |
| - LINUS D-C-M / D-C-V / BASIC D-C-M  | 420 - 421 |
| - LINUS D-SC-T / BASIC D-SC-T        | 422 - 423 |
| - LINUS D-SC-M / D-SC-V BASIC D-SC-M | 424 - 425 |
| - LINUS D-EH-M                       | 426 - 427 |

### ▪ Exposed shower fittings

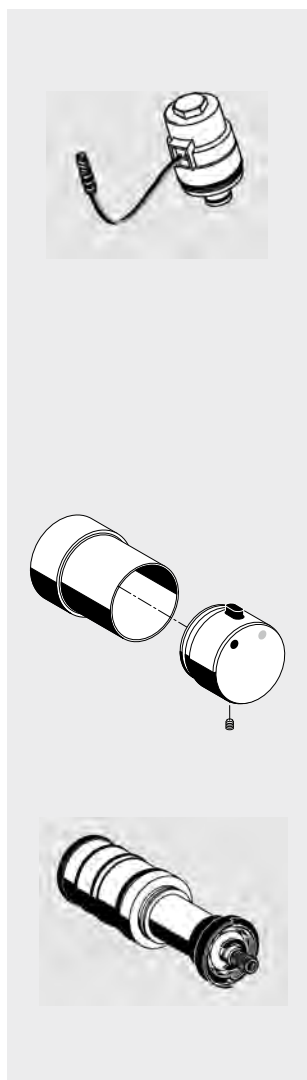
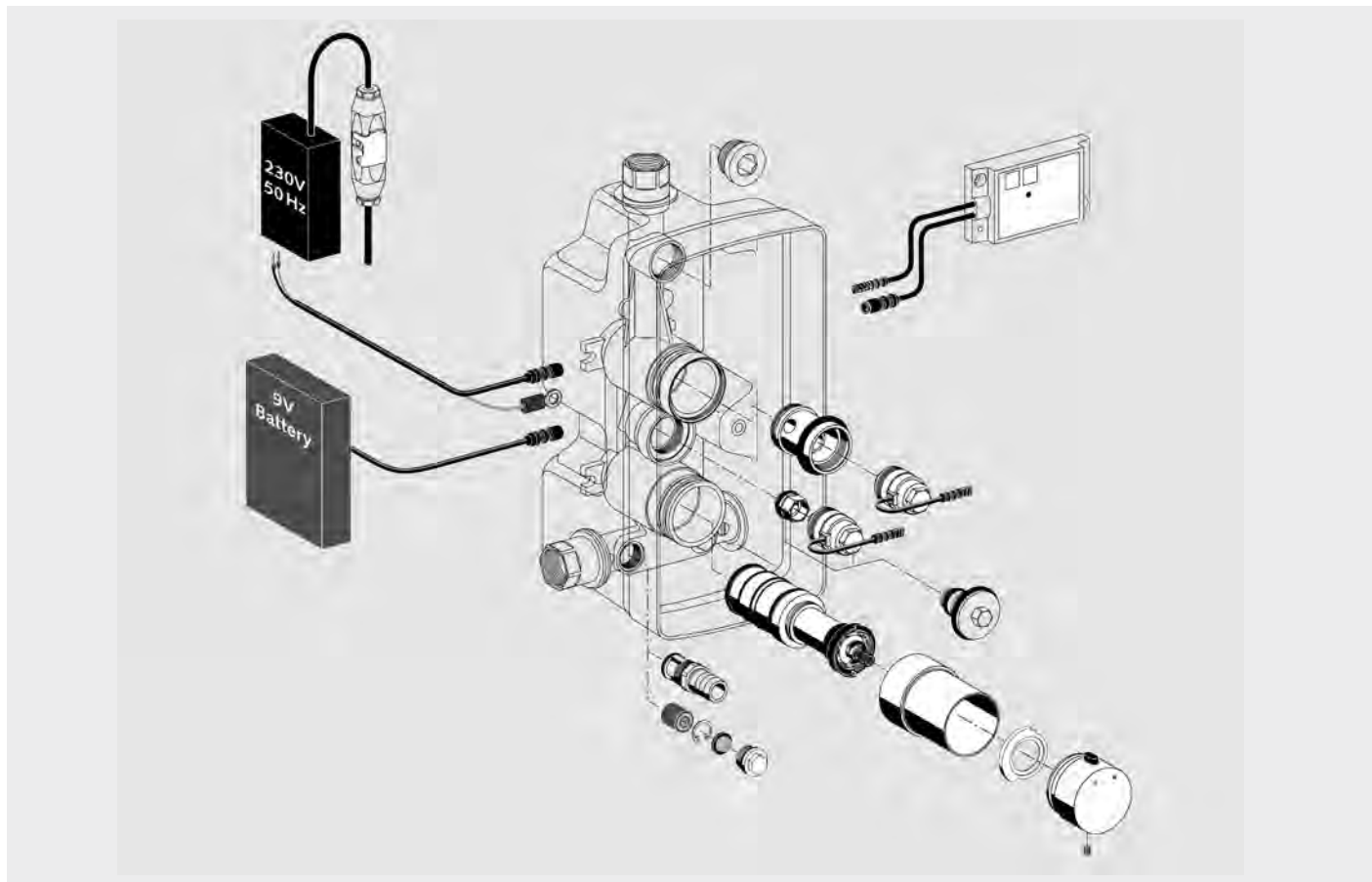
|                                  |           |
|----------------------------------|-----------|
| - Shower panels LINUS            |           |
| - DP-P-T / D-C-T / DP-SC-T       | 428 - 431 |
| - DP-SC-M / DP-SC-V              | 432 - 433 |
| - DP-EH-M                        | 434       |
| - Shower panels LINUS Inox       |           |
| - DP-C-T / DP-C-T-H / DP-C-T-D-H | 436 - 439 |
| - DP-SC-T                        | 440 - 441 |
| - VITUS                          | 442 - 443 |
| - MODUS MD-T                     | 444 - 445 |

### ▪ Accessories for shower fittings

|                     |     |
|---------------------|-----|
| - O-ring set LINUS, |     |
| Flow regulator LEED | 435 |







## Product description

Article  
number

## Excerpt from product group 29

**Cartridge valve 6 V with integrated pre-filter**

For SCHELLTRONIC / SCHELLMATIC / COMPACT HF /  
RETROFIT HF / EDITION E MANUAL / COMPACT EDITION E /  
COMPACT LC / RETROFIT LC / LINUS D-E-T / LINUS D-E-T ECO /  
LINUS D-E-V / LINUS D-E-V ECO / LINUS D-P-T / LINUS BASIC D-P-T  
/ LINUS D-C-T / LINUS BASIC D-C-T / LINUS D-C-M / LINUS BASIC  
D-C-M / Duschpaneel DP-P-T, DP-C-T, DP-C-T-H, DP-C-T-D-H / VITUS  
VW-C-T / VITUS VD-C-T

Model with circular connection

PU 1, W: 0,04 kg/Piece

01 442 00 99

**Operating button thermostat**

for LINUS D-SC-T / D-E-T / D-C-T / BASIC D-C-T /  
D-P-T / BASIC D-P-T

chrome, PU 1, W: 0,24 kg/Piece

29 522 06 99

**Thermostat cartridge LINUS D-SC-T / D-E-T**

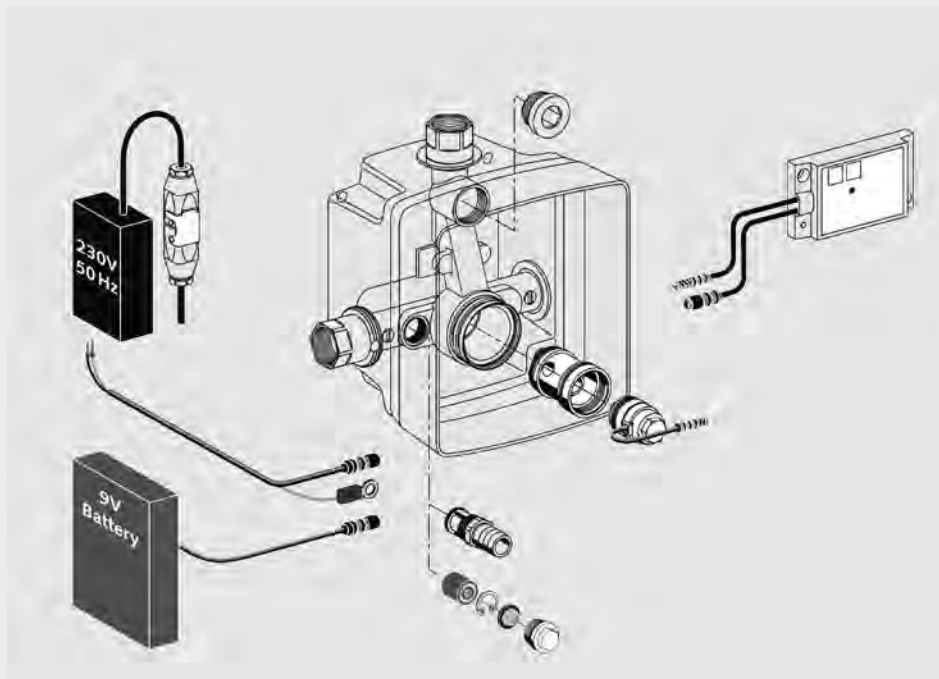
for LINUS D-SC-T / LINUS BASIC D-SC-T / LINUS D-E-T /  
LINUS D-E-T ECO / LINUS D-P-T / LINUS BASIC D-P-T /  
LINUS D-C-T / LINUS BASIC D-C-T /  
shower panel DP-SC-T, DP-P-T, DP-C-T

PU 1, W: 0,44 kg/Piece

29 524 00 99

| Product description   | Article number |
|---|----------------|
| <b>Electronic module Standard</b><br>ON/OFF/time setting<br>PU 1, W: 0,18 kg/Piece  | 01 513 00 99   |
| <b>Excerpt from product group 13</b><br><b>Solenoid valve thermal disinfection, 12 V</b><br>PU 1, W: 0,12 kg/Piece  | 01 875 00 99   |
| <b>Excerpt from product group 13</b><br><b>SCHELL locking disc thermostat button</b><br>to block the hot water limiting button on SCHELL thermostat fittings<br>PU 1, W: 0,004 kg/Piece                                 | 77 673 00 99   |
| <b>Cage filter-Set LINUS</b><br>filter, mesh size: 500 µm<br>PU 1, W: 0,01 kg/Piece   | 02 004 00 99   |
| <b>Filter-Set LINUS</b><br><b>Comprises:</b> <ul style="list-style-type: none"><li>• backflow preventer</li><li>• cage filter, mesh size: 500 µm</li><li>• locking ring</li><li>• plug</li></ul> PU 1, W: 0,02 kg/Piece | 02 005 00 99   |

Spare parts  
shower fittings



## Product description

Article  
number

## Excerpt from product group 29

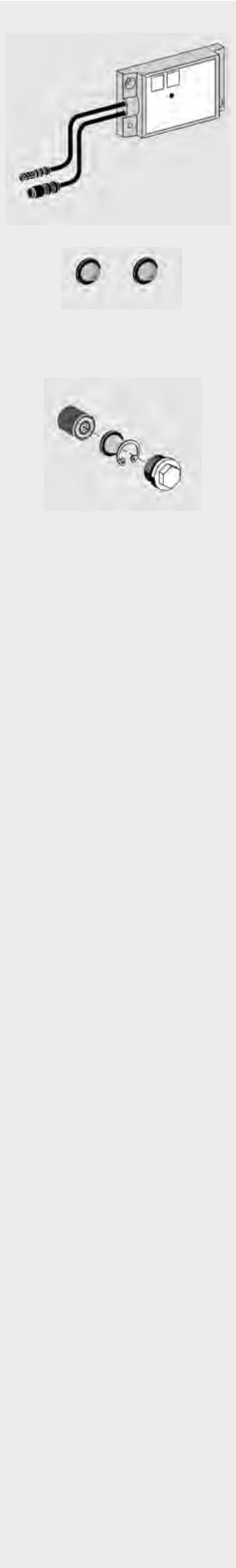
**Cartridge valve 6 V with integrated pre-filter**

For SCHELLTRONIC / SCHELLMATIC / COMPACT HF /  
 RETROFIT HF / EDITION E MANUAL / COMPACT EDITION E /  
 COMPACT LC / RETROFIT LC / LINUS D-E-T / LINUS D-E-T ECO /  
 LINUS D-E-V / LINUS D-E-V ECO / LINUS D-P-T / LINUS BASIC D-P-T /  
 LINUS D-C-T / LINUS BASIC D-C-T / LINUS D-C-M /  
 LINUS BASIC D-C-M / Duschpaneel DP-P-T, DP-C-T, DP-C-T-H,  
 DP-C-T-D-H / VITUS VW-C-T / VITUS VD-C-T

Model with circular connection

PU 1, W: 0,04 kg/Piece

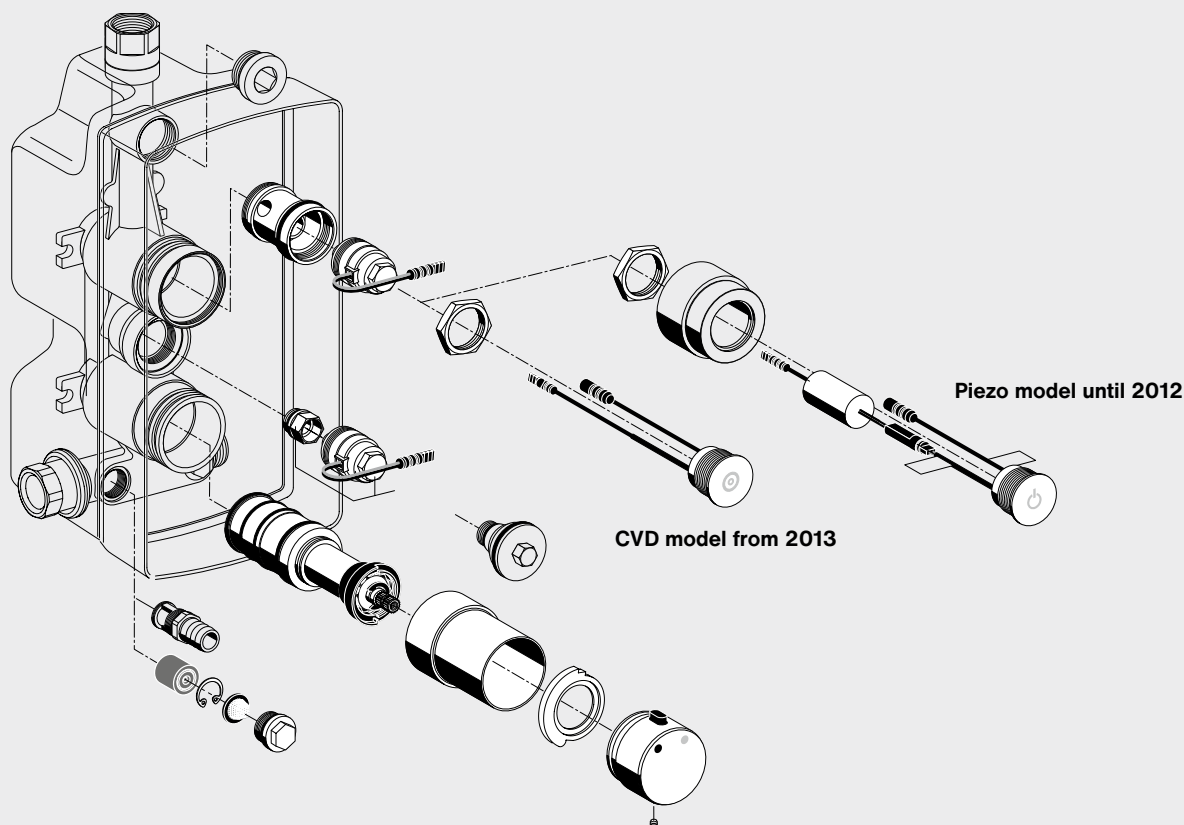
01 442 00 99



| Product description   | Article number |
|---|----------------|
| <b>Electronic module Standard</b><br>Ein/Aus/Zeiteinstellung<br>PU 1, W: 0,18 kg/Piece  | 01 513 00 99   |
| <b>Cage filter-Set LINUS</b><br>filter, mesh size: 500 µm<br>PU 1, W: 0,01 kg/Piece   | 02 004 00 99   |
| <b>Filter-Set LINUS</b><br><b>Comprises:</b> <ul style="list-style-type: none"><li>• backflow preventer</li><li>• cage filter, mesh size: 500 µm</li><li>• locking ring</li><li>• plug</li></ul> PU 1, W: 0,02 kg/Piece | 02 005 00 99   |

Spare parts  
shower fittings

## Product description

Article  
number**Magnetventil-Adapter für Unterputz-Armatur**

PU 1, W: 0,09 kg/Piece

29 518 00 99

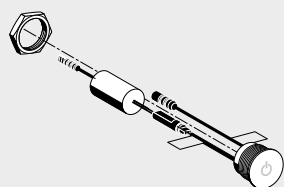
**Excerpt from product group 29****Cartridge valve 6 V with integrated pre-filter**

For SCHELLTRONIC / SCHELLMATIC / COMPACT HF /  
RETROFIT HF / EDITION E MANUAL / COMPACT EDITION E /  
COMPACT LC / RETROFIT LC / LINUS D-E-T / LINUS D-E-T ECO /  
LINUS D-E-V / LINUS D-E-V ECO / LINUS D-P-T / LINUS BASIC D-P-T /  
LINUS D-C-T / LINUS BASIC D-C-T / LINUS D-C-M /  
LINUS BASIC D-C-M / Duschpaneel DP-P-T, DP-C-T, DP-C-T-H,  
DP-C-T-D-H / VITUS VW-C-T / VITUS VD-C-T

Model with circular connection

PU 1, W: 0,04 kg/Piece

01 442 00 99

**Piezo button 12 V for shower  
model until 2012**

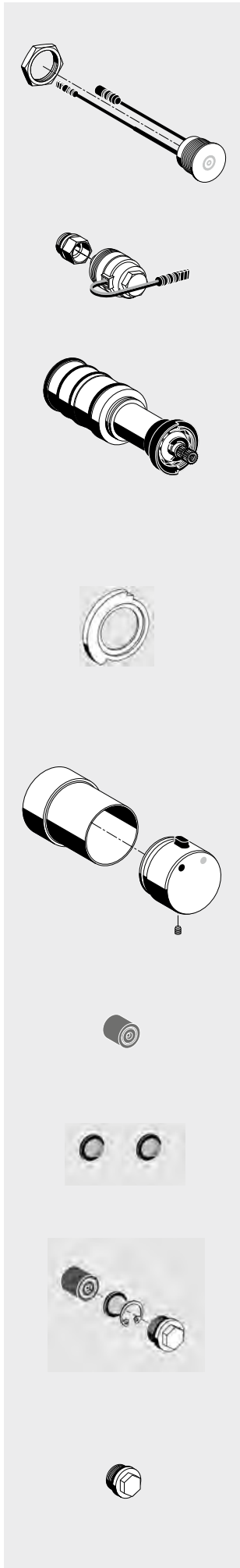
chrome, PU 1, W: 0,06 kg/Piece

69 956 06 99

**Piezo button 9 V for shower  
model until 2012**

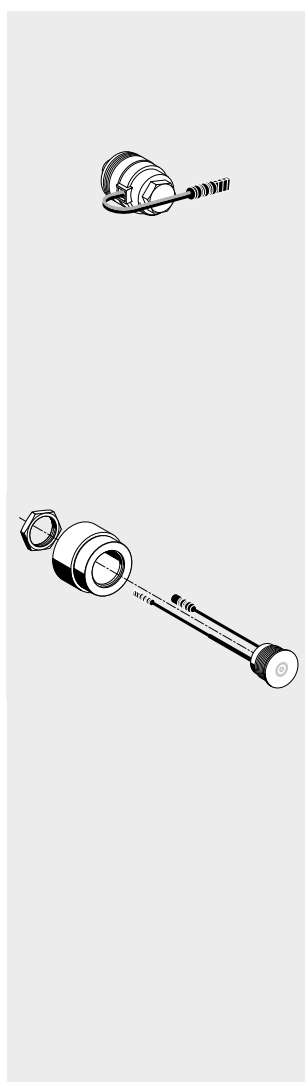
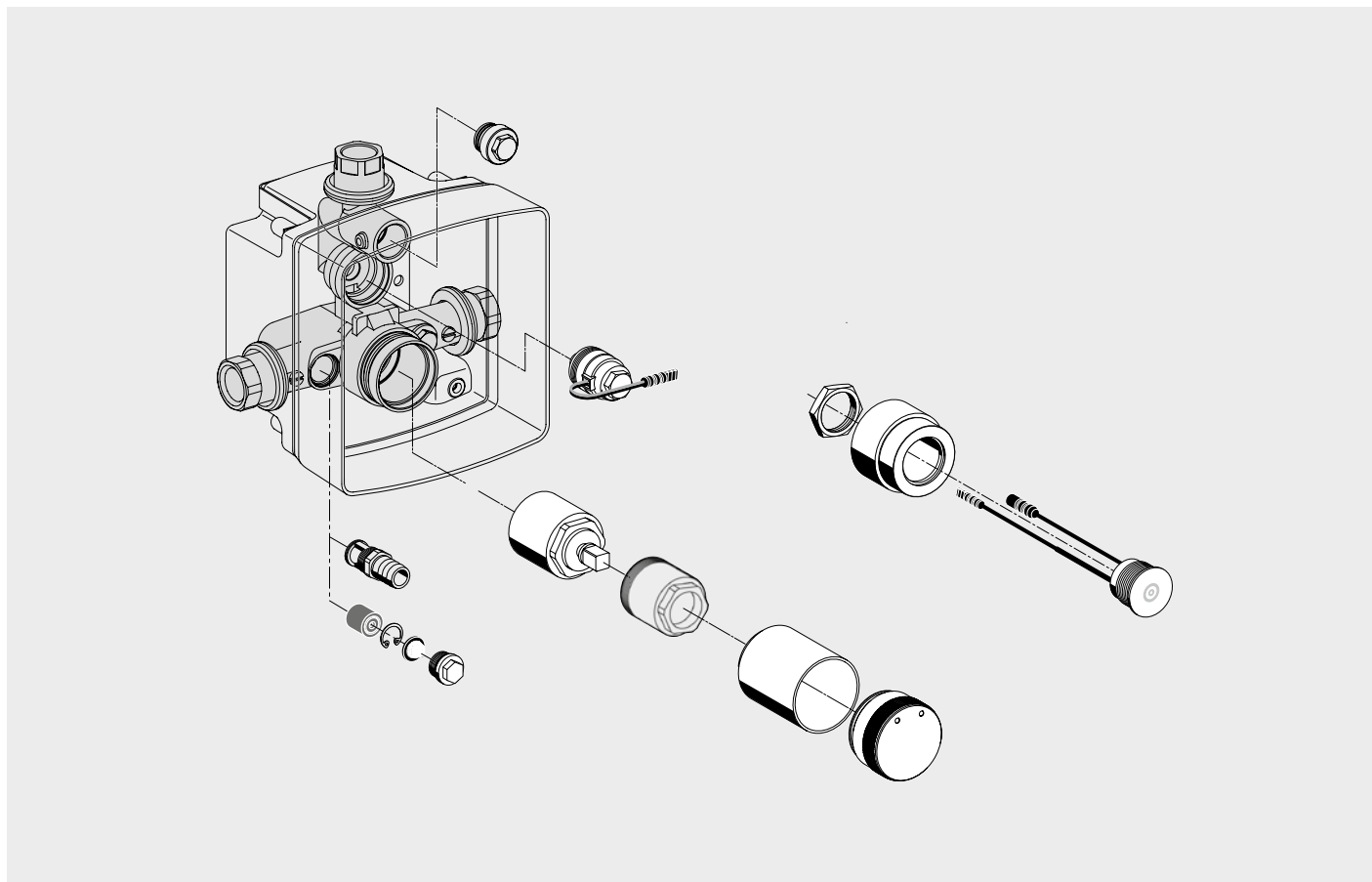
chrome, PU 1, W: 0,07 kg/Piece

01 303 06 99



| Product description  | Article number |
|--|----------------|
| <b>CVD-Touch-Electronic</b><br>for concealed shower LINUS D-C-T / LINUS BASIC D-C-T,<br>Model from 2013<br>chrome, PU 1, W: 0,07 kg/Piece  | 01 593 06 99   |
| <b>Excerpt from product group 13</b><br><b>Solenoid valve thermal disinfection, 12 V</b><br>PU 1, W: 0,12 kg/Piece   | 01 875 00 99   |
| <b>Thermostat cartridge LINUS D-SC-T / D-E-T</b><br>for LINUS D-SC-T / LINUS BASIC D-SC-T / LINUS D-E-T /<br>LINUS D-E-T ECO / LINUS D-P-T / LINUS BASIC D-P-T /<br>LINUS D-C-T / LINUS BASIC D-C-T /<br>shower panell DP-SC-T, DP-P-T, DP-C-T<br>PU 1, W: 0,44 kg/Piece | 29 524 00 99   |
| <b>Excerpt from product group 13</b><br><b>SCHELL locking disc thermostat button</b><br>to block the hot water limiting button on SCHELL<br>thermostat fittings<br>PU 1, W: 0,004 kg/Piece   | 77 673 00 99   |
| <b>Operating button thermostat</b><br>for LINUS D-SC-T / D-E-T / D-C-T / BASIC D-C-T /<br>D-P-T / BASIC D-P-T<br>chrome, PU 1, W: 0,24 kg/Piece  | 29 522 06 99   |
| <b>Backflow preventer DN 10</b><br>PU 1, W: 0,003 kg/Piece   | 29 519 00 99   |
| <b>Cage filter-Set LINUS</b><br>filter, mesh size: 500 µm<br>PU 1, W: 0,01 kg/Piece  | 02 004 00 99   |
| <b>Filter-Set LINUS</b><br>Comprises:<br>• backflow preventer<br>• cage filter, mesh size: 500 µm<br>• locking ring<br>• plug<br>PU 1, W: 0,02 kg/Piece  | 02 005 00 99   |
| <b>Inspection plug with O-ring</b><br>PU 1, W: 0,02 kg/Piece   | 29 521 00 99   |

Spare parts  
shower fittings



## Product description

Article  
number

## Excerpt from product group 29

**Cartridge valve 6 V with integrated pre-filter**

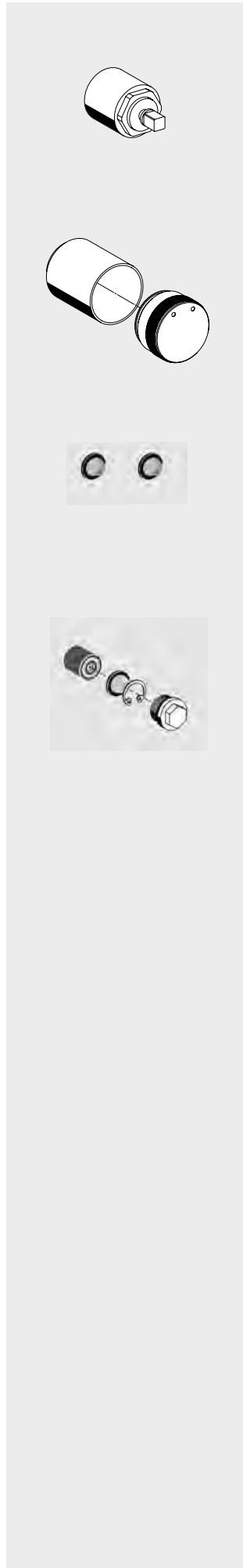
For SCHELLTRONIC / SCHELLMATIC / COMPACT HF /  
RETROFIT HF / EDITION E MANUAL / COMPACT EDITION E /  
COMPACT LC / RETROFIT LC / LINUS D-E-T / LINUS D-E-T ECO /  
LINUS D-E-V / LINUS D-E-V ECO / LINUS D-P-T / LINUS BASIC D-P-T /  
LINUS D-C-T / LINUS BASIC D-C-T / LINUS D-C-M /  
LINUS BASIC D-C-M / Duschpaneel DP-P-T, DP-C-T, DP-C-T-H,  
DP-C-T-D-H / VITUS VW-C-T / VITUS VD-C-T

Model with circular connection

**PU 1, W: 0,04 kg/Piece****01 442 00 99****CVD-Touch electronic**

for concealed shower LINUS D-C-M / LINUS BASIC D-C-M,

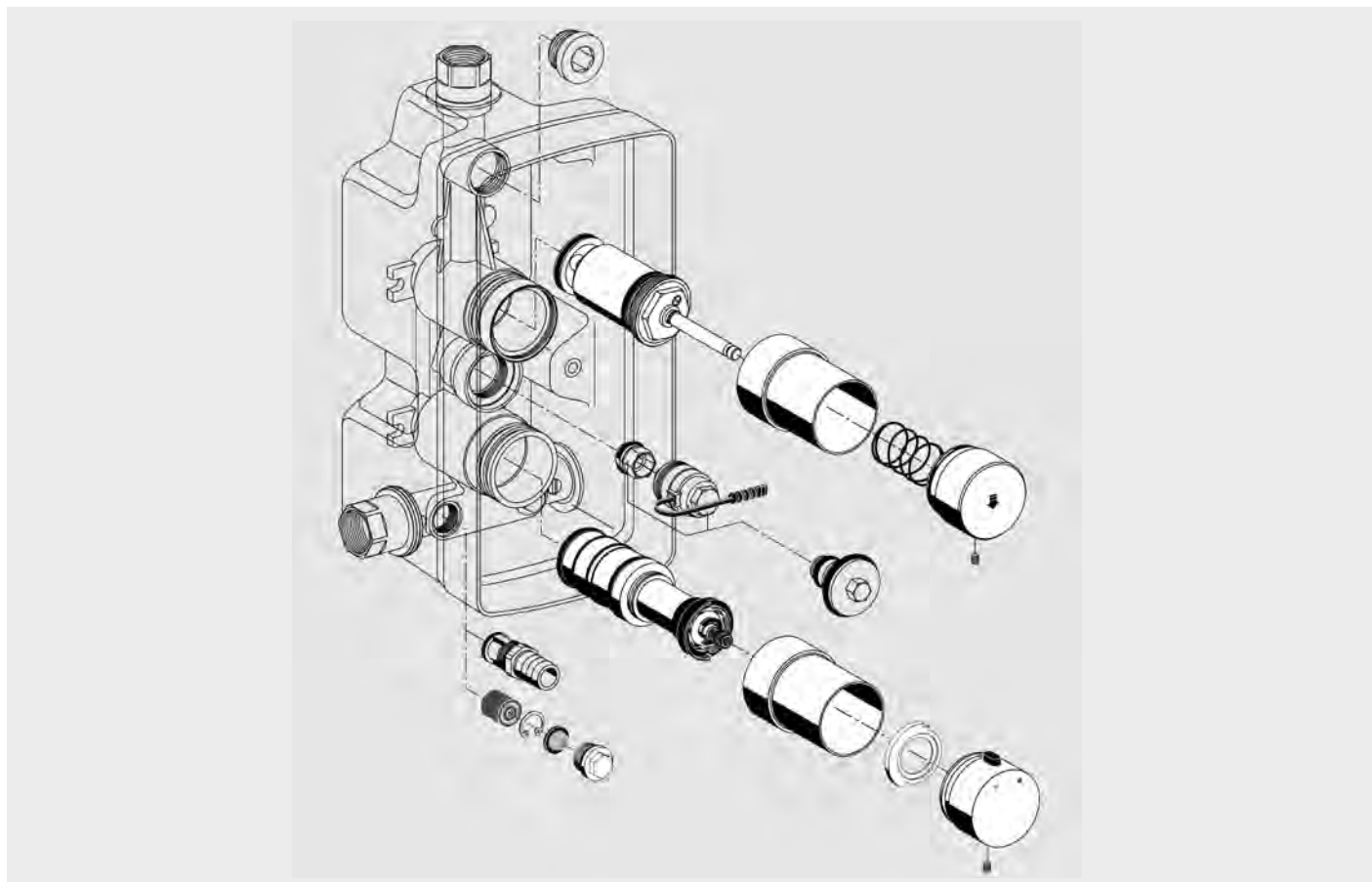
**chrome, PU 1, W: 0,19 kg/Piece****01 592 06 99**



| Product description   | Article number |
|---|----------------|
| <b>Mixed cartridge LINUS D-C-M</b><br>for concealed showers<br>PU 1, W: 0,07 kg/Piece   | 29 659 00 99   |
| <b>Operating button LINUS D-C-M</b><br>for LINUS D-C-M / BASIC D-C-M<br>chrome, PU 1, W: 0,22 kg/Piece  | 29 682 06 99   |
| <b>Cage filter-Set LINUS</b><br>filter, mesh size: 500 µm<br>PU 1, W: 0,01 kg/Piece   | 02 004 00 99   |
| <b>Filter-Set LINUS</b><br><b>Comprises:</b> <ul style="list-style-type: none"><li>• backflow preventer</li><li>• cage filter, mesh size: 500 µm</li><li>• locking ring</li><li>• plug</li></ul> PU 1, W: 0,02 kg/Piece | 02 005 00 99   |

Spare parts  
shower fittings



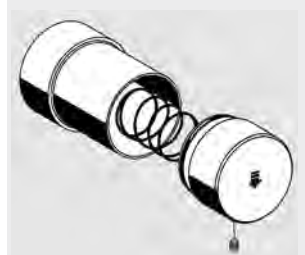


## Product description

Article  
number**Self-closing cartridge  
LINUS / LINUS BASIC**

self-closing - thermostat

PU 1, replaced cartridge 29 641 00 99

**29 735 00 99****Operating button self-closing  
LINUS D-SC-T / LINUS BASIC D-SC II-T**

complete

chrome, PU 1, W: 0,24 kg/Piece

**29 523 06 99****Thermostat cartridge  
LINUS D-SC-T / D-E-T / LINUS BASIC D-SC II-T**

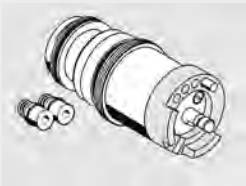
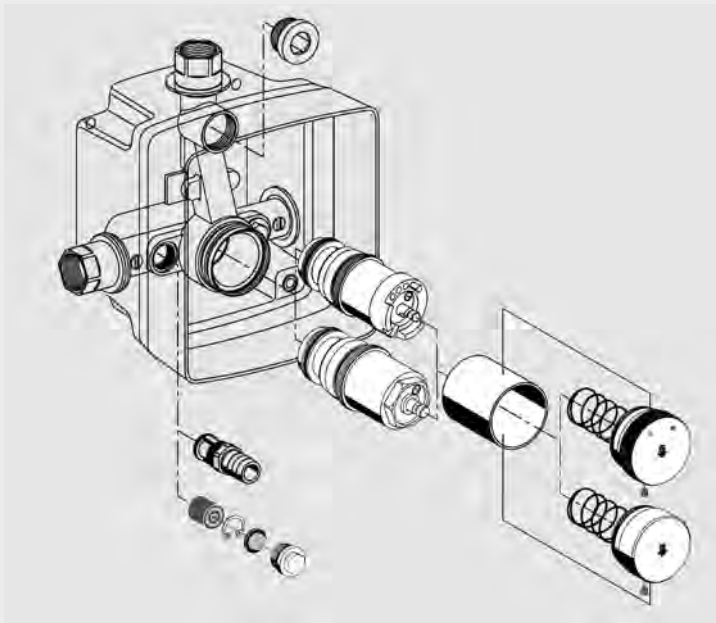
PU 1, W: 0,44 kg/Piece

**29 524 00 99**



| Product description   | Article number               |
|---|------------------------------|
| <b>Operating button thermostat</b><br>for LINUS D-SC-T / D-E-T / D-C-T / BASIC D-C-T / D-P-T / BASIC D-P-T<br>chrome, PU 1, W: 0,24 kg/Piece  | 29 522 06 99                 |
| <b>Excerpt from product group 13</b><br><b>SHELL locking disc thermostat button</b><br>to block the hot water limiting button on SCHELL thermostat fittings<br>PU 1, W: 0,004 kg/Piece                                  | 77 673 00 99                 |
| <b>Cage filter-Set LINUS</b><br>filter, mesh size: 500 µm<br>PU 1, W: 0,01 kg/Piece   | 02 004 00 99                 |
| <b>Filter-Set LINUS</b><br><b>Comprises:</b> <ul style="list-style-type: none"><li>• backflow preventer</li><li>• cage filter, mesh size: 500 µm</li><li>• locking ring</li><li>• plug</li></ul> PU 1, W: 0,02 kg/Piece | 02 005 00 99                 |
| <b>Front panel LINUS D-SC-T</b><br>with frame and fastening material<br><b>Material:</b> stainless steel<br>chrome, PU 1, W: 1,43 kg/Piece<br>stainless steel, PU 1   | 25 233 06 99<br>25 233 28 99 |

Spare parts  
shower fittings



Product description

Article  
number

**Self-closing cartridge**  
**LINUS SC II-M / LINUS BASIC SC II-M**  
**model 2010**  
self-closing - premixed water  
**PU 1, W: 0,22 kg/Piece**

**29 639 00 99**

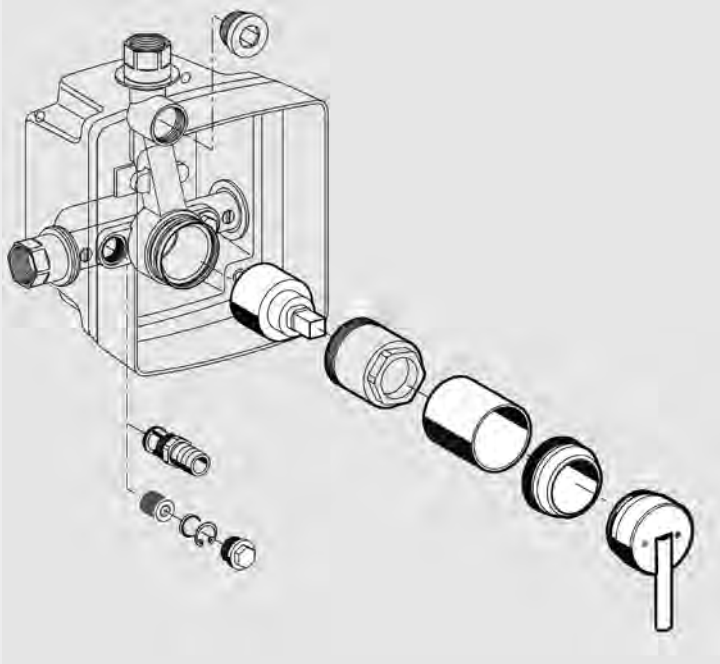
**Self-closing cartridge LINUS SC II-V**  
**model 2010**  
self-closing - cold water / premixed water  
**PU 1, W: 0,22 kg/Piece**

**29 640 00 99**



| Product description   | Article number               |
|---|------------------------------|
| <b>Operating button LINUS SC-M / LINUS BASIC SC-M</b><br>self-closing - premixed water<br>chrome, PU 1, W: 0,22 kg/Piece  | 29 545 06 99                 |
| <b>Operating button LINUS SC-V</b><br>self-closing - cold water / premixed water<br>chrome, PU 1, W: 0,22 kg/Piece  | 29 517 06 99                 |
| <b>Cage filter-Set LINUS</b><br>filter, mesh size: 500 µm<br>PU 1, W: 0,01 kg/Piece   | 02 004 00 99                 |
| <b>Filter-Set LINUS</b><br><b>Comprises:</b> <ul style="list-style-type: none"><li>• backflow preventer</li><li>• cage filter, mesh size: 500 µm</li><li>• locking ring</li><li>• plug</li></ul> PU 1, W: 0,02 kg/Piece | 02 005 00 99                 |
| <b>Front panel LINUS D-SC-V</b><br>with frame and fastening material<br>chrome, PU 1<br>stainless steel, PU 1, W: 0,97 kg/Piece   | 25 232 06 99<br>25 232 28 99 |

Spare parts  
shower fittings



Product description

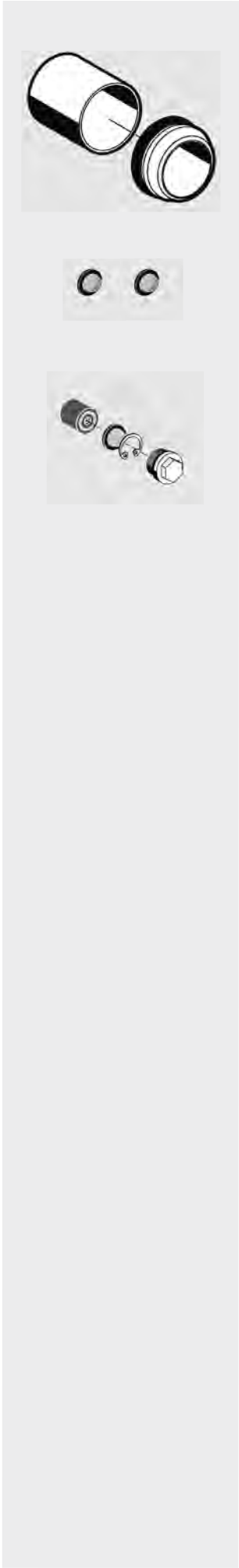
Article  
number

**Lever LINUS D-EH-M**  
for concealed shower, single lever mixer  
chrome, PU 1, W: 0,18 kg/Piece

**23 068 06 99**

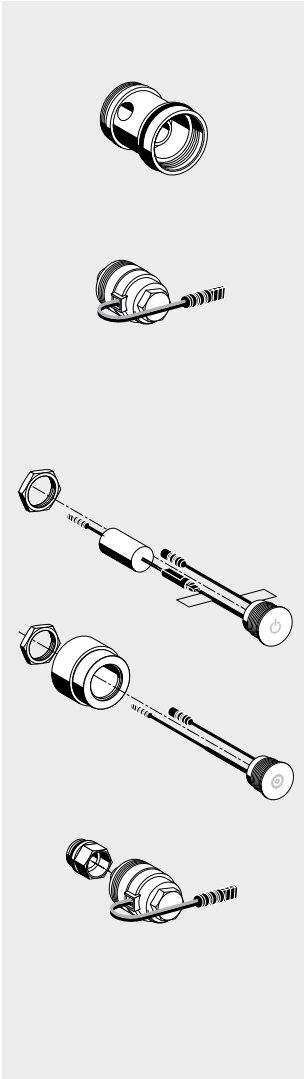
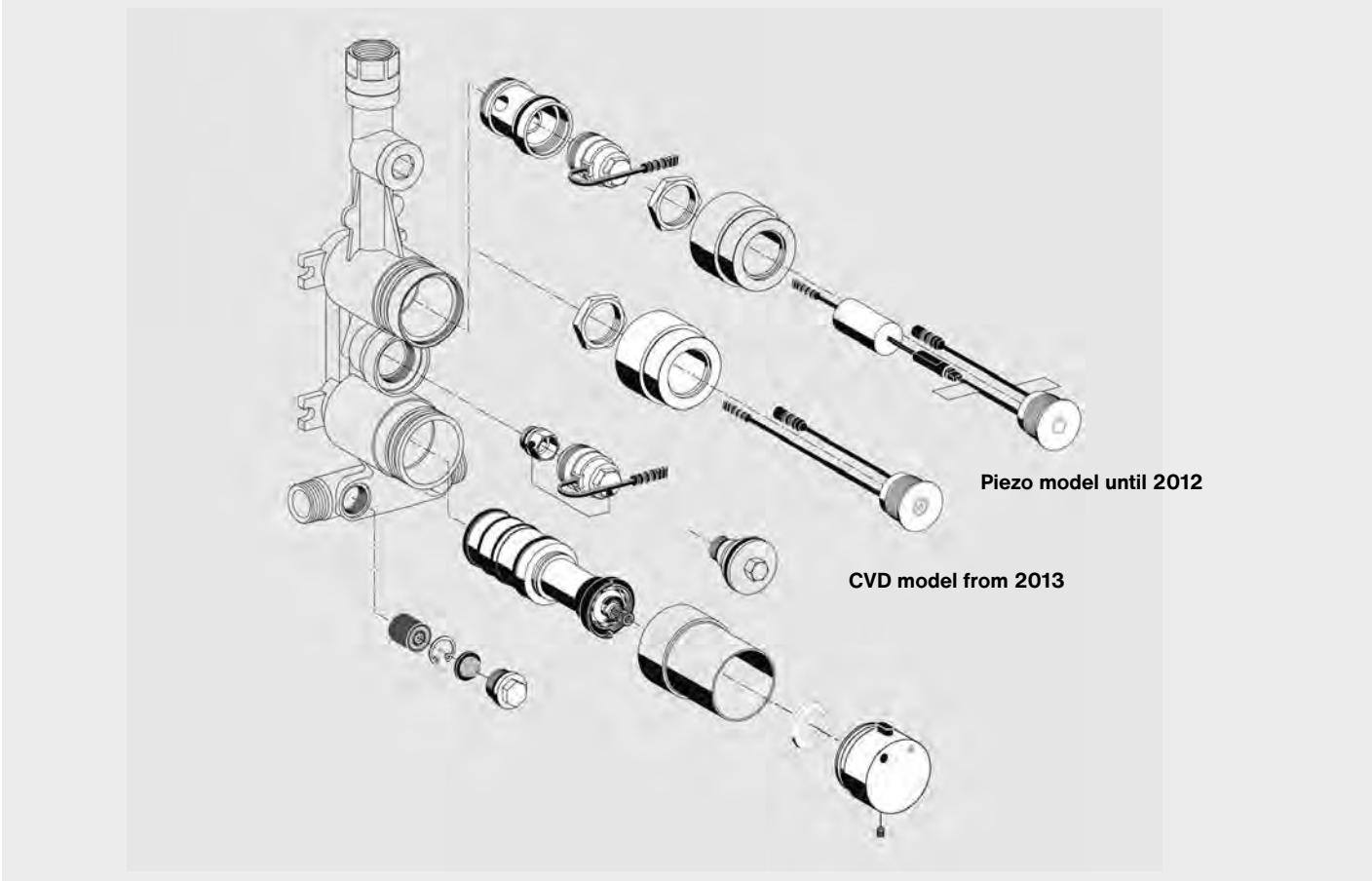
**Mixed water cartridge LINUS**  
for concealed wash basin fitting / shower fitting LINUS  
PU 1, W: 0,06 kg/Piece

**29 613 00 99**



| Product description  | Article number |
|--|----------------|
| <b>Push sleeve LINUS with wall cover plate</b><br>for concealed wash basin fitting / shower fitting LINUS<br>chrome, PU 1, W: 0,14 kg/Piece  | 29 623 06 99   |
| <b>Cage filter-Set LINUS</b><br>filter, mesh size: 500 µm<br>PU 1, W: 0,01 kg/Piece  | 02 004 00 99   |
| <b>Filter-Set LINUS</b><br>Comprises: <ul style="list-style-type: none"><li>• backflow preventer</li><li>• cage filter, mesh size: 500 µm</li><li>• locking ring</li><li>• plug</li></ul> PU 1, W: 0,02 kg/Piece | 02 005 00 99   |

Spare parts  
shower fittings



Product description

Article  
number

**Solenoid valve adapter for concealed fitting**

PU 1, W: 0,09 kg/Piece

**29 518 00 99**

**Excerpt from product group 29**

**Cartridge valve 6 V with integrated pre-filter**

For SCHELLTRONIC / SCHELLMATIC / COMPACT HF / RETROFIT HF / EDITION E MANUAL / COMPACT EDITION E / COMPACT LC / RETROFIT LC / LINUS D-E-T / LINUS D-E-T ECO / LINUS D-E-V / LINUS D-E-V ECO / LINUS D-P-T / LINUS BASIC D-P-T / LINUS D-C-T / LINUS BASIC D-C-T / LINUS D-C-M / LINUS BASIC D-C-M / Duschpaneel DP-P-T, DP-C-T, DP-C-T-H, DP-C-T-D-H / VITUS VW-C-T / VITUS VD-C-T

Model with circular connection

PU 1, W: 0,04 kg/Piece

**01 442 00 99**

**Piezo button 12 V for shower**

chrome, PU 1, W: 0,06 kg/Piece

**69 956 06 99**

**Piezo button 9 V for shower**

chrome, PU 1, W: 0,07 kg/Piece

**01 303 06 99**

**CVD-Touch electronic**

for shower panel LINUS DP-C-T

chrome, PU 1, W: 0,15 kg/Piece

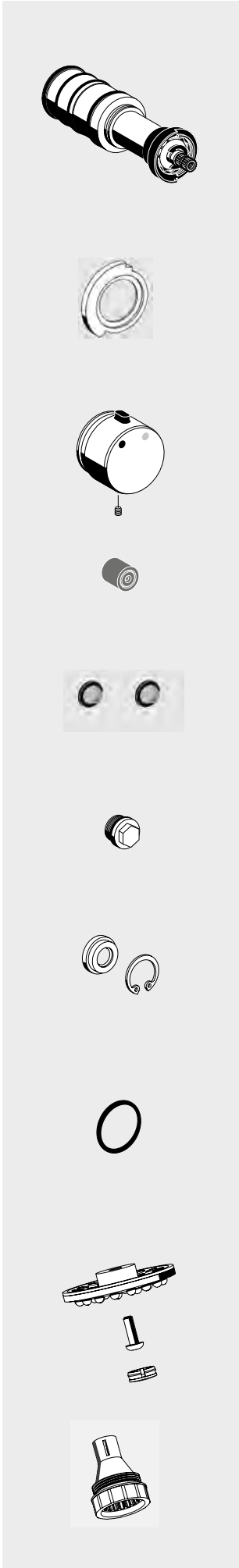
**01 591 06 99**

**Excerpt from product group 13**

**Solenoid valve thermal disinfection**

PU 1, W: 0,12 kg/Piece

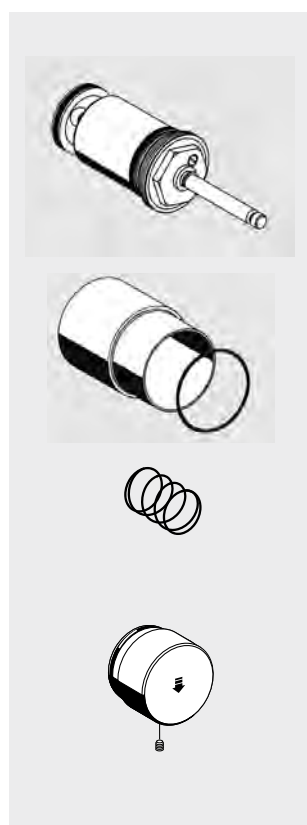
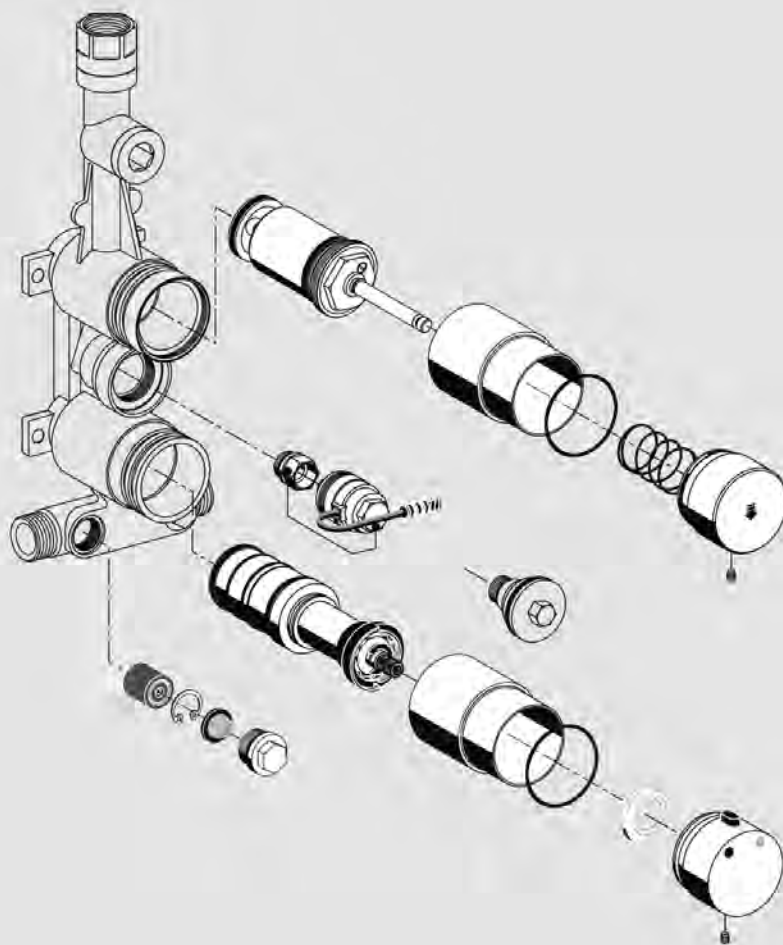
**01 875 00 99**



| Product description   | Article number |
|---|----------------|
| <b>Thermostat cartridge LINUS D-SC-T / D-E-T</b><br>for LINUS D-SC-T / LINUS BASIC D-SC-T / LINUS D-E-T /<br>LINUS D-E-T ECO / LINUS D-P-T / LINUS BASIC D-P-T /<br>LINUS D-C-T / LINUS BASIC D-C-T /<br>shower panel DP-SC-T, DP-P-T, DP-C-T |                |
| PU 1, W: 0,44 kg/Piece  | 29 524 00 99   |
| <b>Excerpt from product group 13</b><br><b>SHELL locking disc thermostat button</b><br>to block the hot water limiting button on SHELL<br>thermostat fittings   |                |
| PU 1, W: 0,004 kg/Piece   | 77 673 00 99   |
| <b>Operating button thermostat DP-P-T</b><br>chrome, PU 1, W: 0,17 kg/Piece   | 23 082 06 99   |
| <b>Backflow preventer DN 10</b><br>PU 1, W: 0,003 kg/Piece  | 29 519 00 99   |
| <b>Cage filter-Set LINUS</b><br>Filter, mesh size: 500 µm<br>PU 1, W: 0,01 kg/Piece   | 02 004 00 99   |
| <b>Inspection plug with O-Ring</b><br>PU 1, W: 0,02 kg/Piece  | 29 521 00 99   |
| <b>Flow regulator, complete 9 l/min</b><br>for shower head COMFORT /<br>Exposed shower head COMFORT<br>PU 1, W: 0,003 kg/Piece  | 63 011 00 99   |
| <b>O-Ring set</b><br>for shower head COMFORT /<br>Exposed shower head COMFORT<br>PU 1, W: 0,006 kg/Piece  | 66 190 00 99   |
| <b>Spray plate, complete</b><br>for shower head COMFORT /<br>Exposed shower head COMFORT<br>PU 1, W: 0,01 kg/Piece  | 77 678 00 99   |
| <b>Spray insert low-aerosol</b><br>for shower head low-aerosol<br>PU 1, W: 0,01 kg/Piece  | 77 705 00 99   |

Spare parts  
shower fittings





## Product description

Article  
number**Selbstschluss-Kartusche  
LINUS / LINUS BASIC**

Selbstschluss - Thermostat

PU 1, ersetzt Kartusche 29 641 00 99

**29 735 00 99****Overthrust sleeve LINUS**

PU 1, W: 0,10 kg/Piece

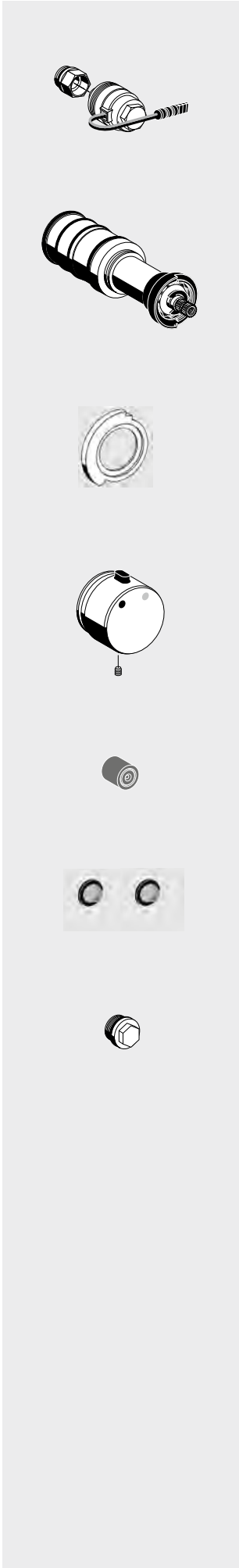
**60 544 06 99****Pressure spring**

PU 1, W: 0,01 kg/Piece

**64 756 00 99****Operating button self-closing LINUS DP-SC-T**

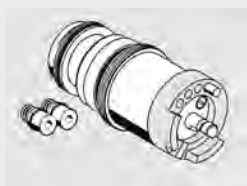
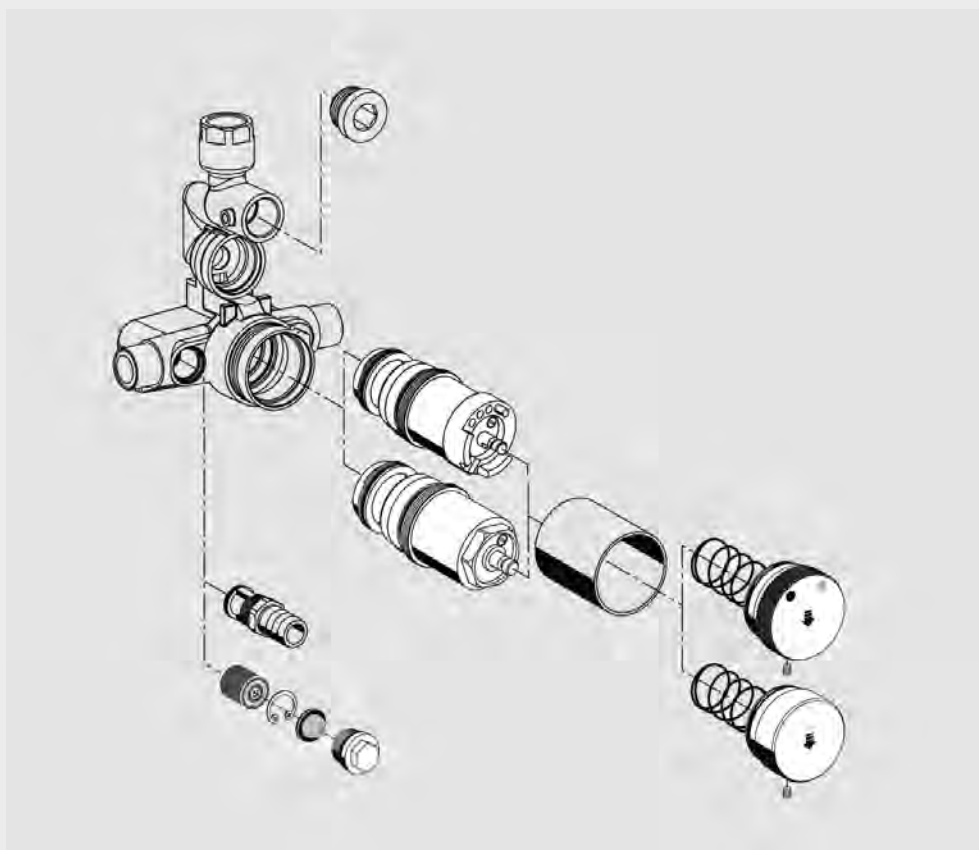
chrome, PU 1, W: 0,09 kg/Piece

**48 055 06 99**



| Product description  | Article number |
|--|----------------|
| <div>Excerpt from product group 13</div> <div>Solenoid valve thermal disinfection</div> <div>PU 1, W: 0,12 kg/Piece</div>  | 01 875 00 99   |
| <div>Thermostat cartridge LINUS D-SC-T / D-E-T</div> <div>For LINUS D-SC-T / LINUS BASIC D-SC-T / LINUS D-E-T / LINUS D-E-T Eco / LINUS D-P-T / LINUS BASIC D-P-T / LINUS D-C-T / LINUS BASIC D-C-T / shower panel DP-SC-T, DP-P-T, DP-C-T</div> <div>PU 1, W: 0,44 kg/Piece</div> | 29 524 00 99   |
| <div>Excerpt from product group 13</div> <div>SCHELL locking disc thermostat button</div> <div>to block the hot water limiting button on SCHELL thermostat fittings</div> <div>PU 1, W: 0,004 kg/Piece</div>   | 77 673 00 99   |
| <div>Operating button thermostat DP-SC-T</div> <div>chrome, PU 1, W: 0,17 kg/Piece</div>   | 23 082 06 99   |
| <div>Backflow preventer DN 10</div> <div>PU 1, W: 0,003 kg/Piece</div>   | 29 519 00 99   |
| <div>Cage filter set LINUS</div> <div>filter, mesh size: 500 µm</div> <div>PU 1, W: 0,01 kg/Piece</div>  | 02 004 00 99   |
| <div>Inspection plug with O-Ring</div> <div>PU 1, W: 0,02 kg/Piece</div>   | 29 521 00 99   |

Spare parts  
shower fittings



## Product description

Article  
number

**Self-closing cartridge**  
**LINUS SC II-M / LINUS BASIC SC II-M**  
**model 2010**  
 self-closing - mixed water  
 PU 1, W: 0,22 kg/Piece

**29 639 00 99**

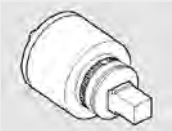
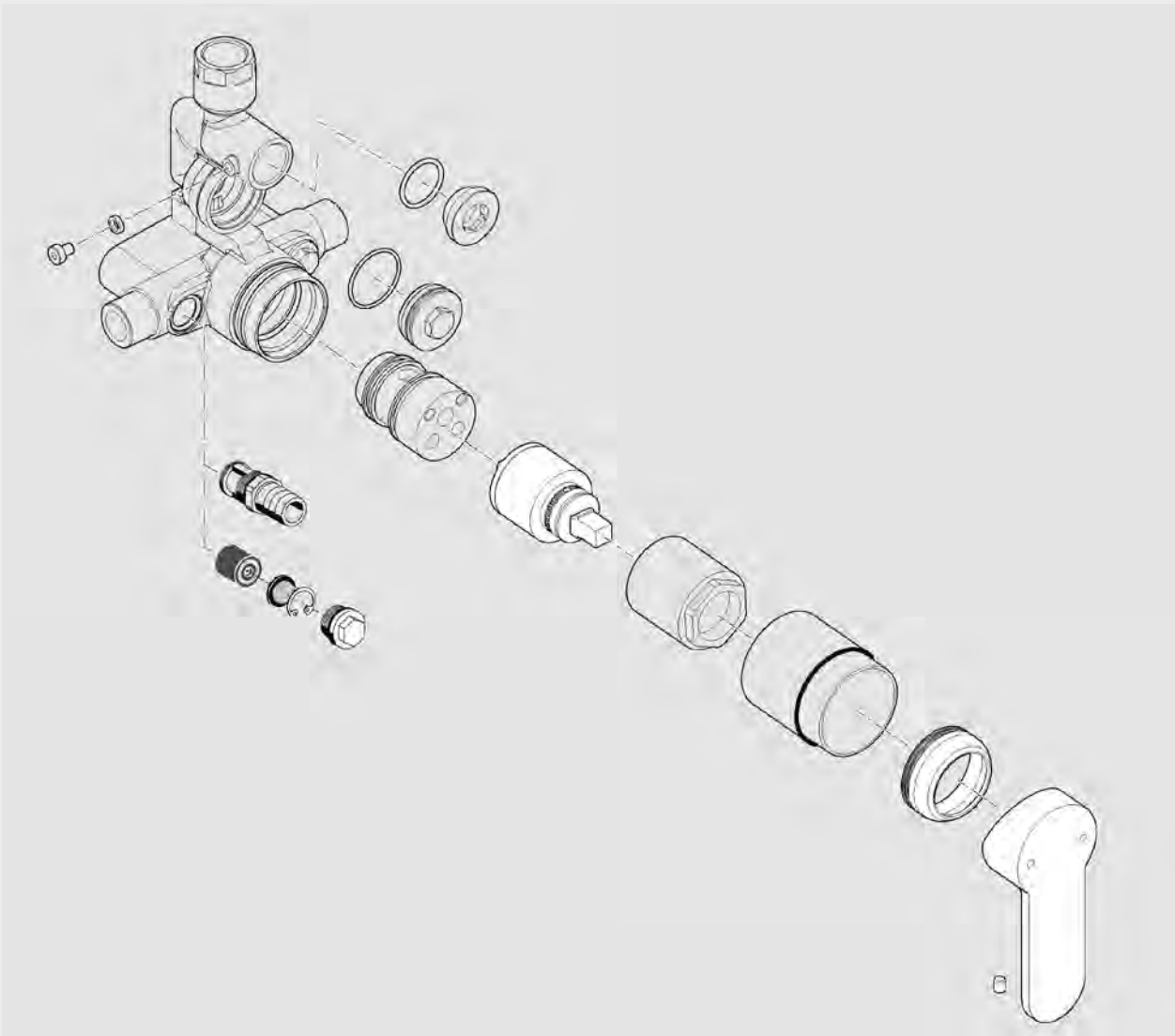
**Self-closing cartridge LINUS SC II-V**  
**model 2010**  
 self-closing - cold water / premixed water  
 PU 1, W: 0,22 kg/Piece

**29 640 00 99**



| Product description   | Article number      |
|---|---------------------|
| <b>Pressure spring</b><br>PU 1, W: 0,003 kg/Piece                                   | <b>64 755 00 99</b> |
| <b>Operating button LINUS DP-SC-M</b><br>chrome, PU 1, W: 0,11 kg/Piece             | <b>48 069 06 99</b> |
| <b>Operating button LINUS DP-SC-V</b><br>chrome, PU 1                               | <b>48 054 06 99</b> |
| <b>Backflow preventer DN 10</b><br>PU 1, W: 0,003 kg/Piece                          | <b>29 519 00 99</b> |
| <b>Cage filter-Set LINUS</b><br>filter, mesh size: 500 µm<br>PU 1, W: 0,01 kg/Piece | <b>02 004 00 99</b> |
| <b>Inspection plug with O-ring</b><br>PU 1, W: 0,02 kg/Piece                        | <b>29 521 00 99</b> |

Spare parts  
shower fittings



Product description

Article  
number

**Single lever cartridge VITUS**

Mixed water

PU 1, W: 0,06 kg/Piece

**29 634 00 99**

**Backflow preventer DN 10**

PU 1, W: 0,003 kg/Piece

**29 519 00 99**

**Cage filter-Set LINUS**

filter, mesh size: 500 µm

PU 1, W: 0,01 kg/Piece

**02 004 00 99**

**Inspection plug with O-ring**

PU 1, W: 0,02 kg/Piece

**29 521 00 99**



LEED

Product description

Article  
number

O-Ring set LINUS

For shower panels LINUS made of aluminium to seal the shower panel base and the cover in the housing

Comprises:

- 2 x O-Ring 170 mm x 2,5 mm / NBR 70

PU 1

66 211 00 99

SCHELL flow regulator LEED

For all shower heads COMFORT

Jet regulator to reduce the flow rate with unchanged comfort. 3 LEED-Points by use in public oder private rooms.

Comprises:

Set consisting of:

- 10 x flow regulator
- 10 x retaining ring

Use / Technical Data:

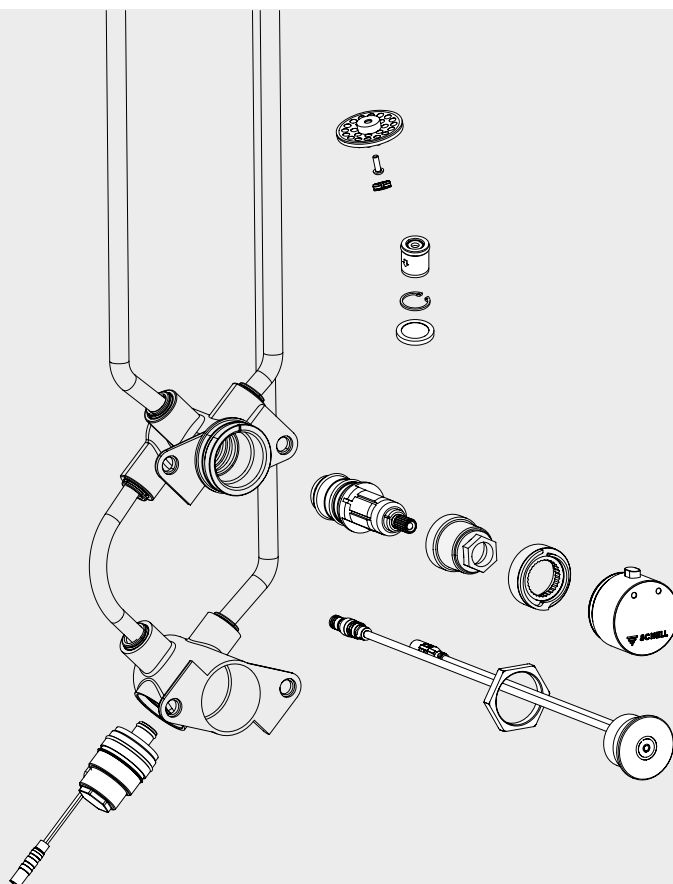
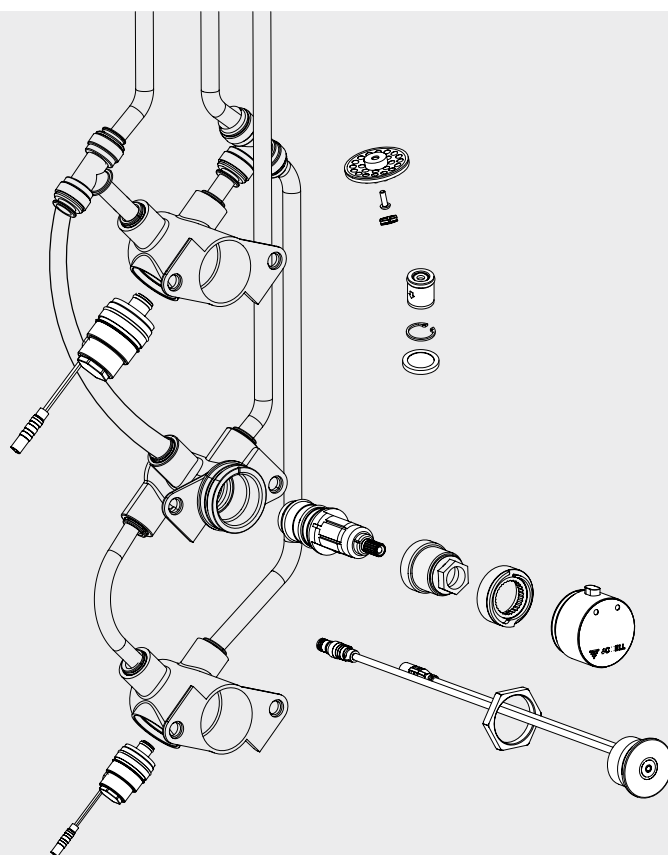
- flow rate: 6,0 l/min independent of pressure

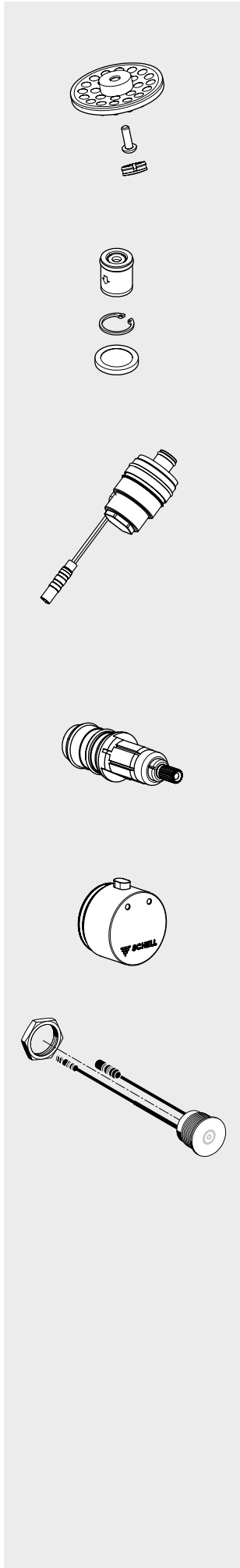
PU 1

63 014 00 99

Spare parts  
shower fittings

# 00 841 28 99

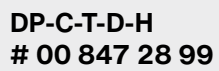
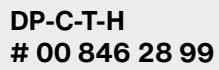
# 00 842 28 99 (12V)  
# 00 843 28 99 (6V)

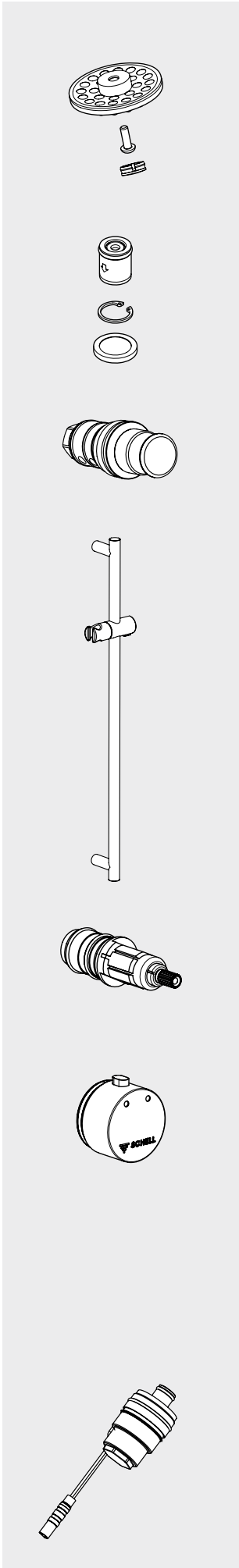


| Product description  | Article number |
|--|----------------|
| <b>Spray plate, complete</b><br>for shower head COMFORT /<br>Exposed shower head COMFORT<br>PU 1, W: 0,01 kg/Piece   | 77 678 00 99   |
| <b>Filter-Set LINUS</b><br>Backflow preventer, locking ring and<br>Filter (mesh size: 250 µm)<br>PU 1  | 29 197 00 99   |
| <b>Solenoid valve 12 V, monostable</b><br>for shower panel DP-C-T 00 842 28 99,<br>Model with circular connection<br>PU 1                                  | 01 489 00 99   |
| <b>Solenoid valve 6 V, with integrated pre-filter</b><br>for shower panel DP-C-T 00 843 28 99,<br>Model with circular connection<br>PU 1, W: 0,04 kg/Piece | 01 442 00 99   |
| <b>Thermostat cartridge</b><br>For shower panel LINUS Inox, LINUS Trend and angle valve thermostat<br>PU 1   | 29 697 00 99   |
| <b>Operating button Thermostat</b><br>chrome, PU 1   | 23 111 06 99   |
| <b>CVD-Touch-Electronic</b><br>For concealed shower LINUS D-C-T / LINUS BASIC D-C-T,<br>Model from 2013<br>chrome, PU 1, W: 0,07 kg/Piece                  | 01 593 06 99   |

Spare parts  
shower fittings

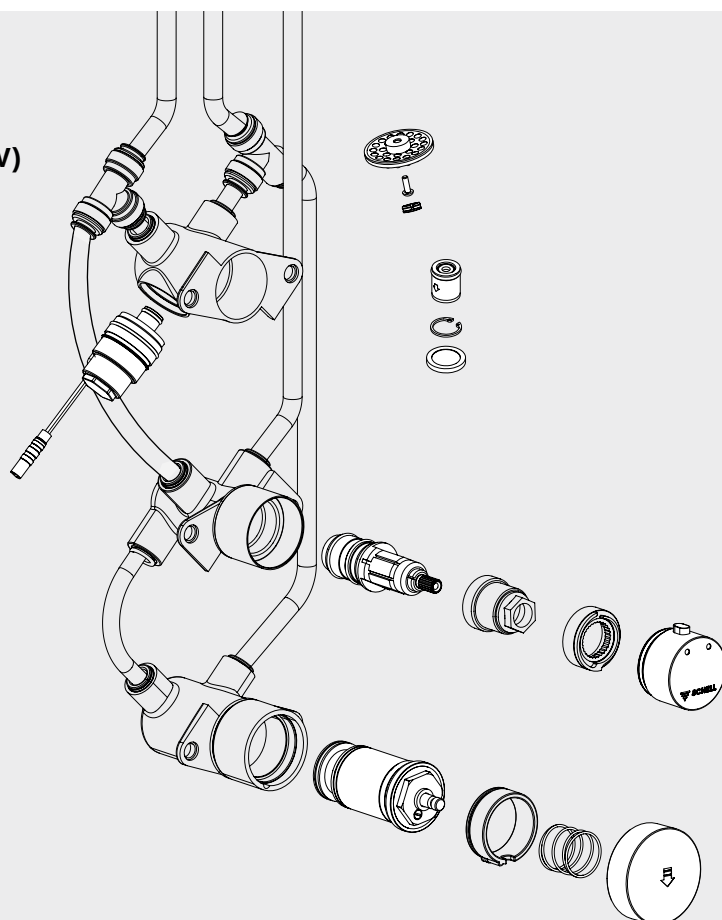
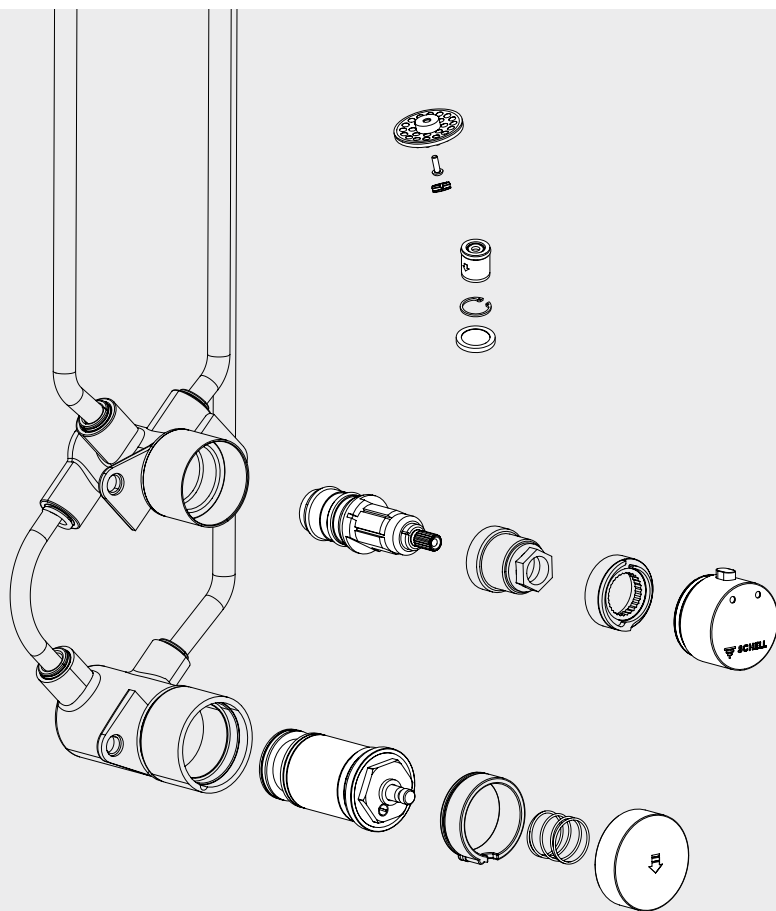


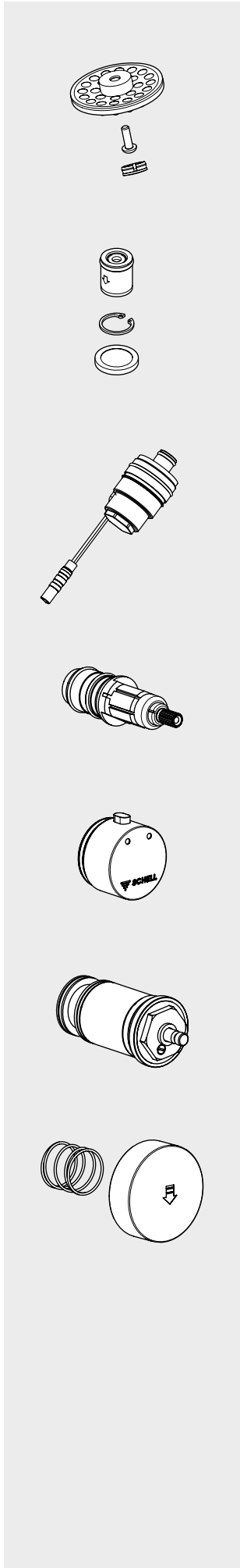




| Product description  | Article number |
|--|----------------|
| <b>Spray plate, complete</b><br>for shower head COMFORT /<br>Exposed shower head COMFORT<br>PU 1, W: 0,01 kg/Piece                       | 77 678 00 99   |
| <b>Filter-Set LINUS</b><br>Backflow preventer, locking ring and<br>Filter (mesh size: 250 µm)<br>PU 1                                    | 29 197 00 99   |
| <b>Changer Head- on hand shower</b><br>for shower panel LINUS Inox DP-C-T-D-H<br>PU 1  | 21 853 06 99   |
| <b>Slide bar</b><br>for shower panel LINUS Inox DP-C-T-H, length 678 mm<br>chrome, PU 1  | 29 213 06 99   |
| <b>Thermostat cartridge</b><br>For shower panel LINUS Inox, LINUS Trend and angle vale thermostat<br>PU 1                                | 29 697 00 99   |
| <b>Operating button Thermostat</b><br>chrome, PU 1   | 23 111 06 99   |
| <b>CVD-Touch-Electronic</b><br>For concealed shower LINUS D-C-T / LINUS BASIC D-C-T,<br>Model from 2013<br>chrom, PU 1, W: 0,07 kg/Piece | 01 593 06 99   |
| <b>Solenoid valve 6 V, with integrated pre-filter</b><br>Model with circular connection<br>PU 1, W: 0,04 kg/Piece                        | 01 442 00 99   |

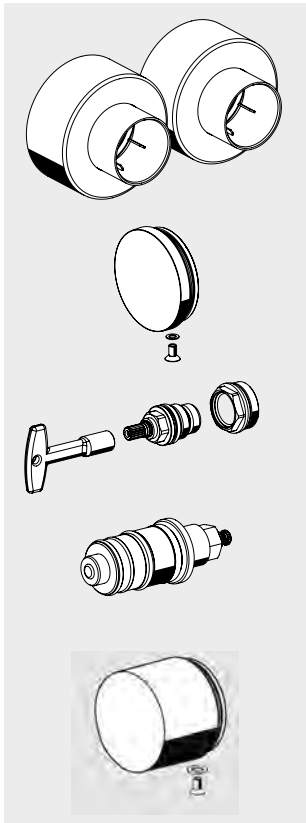
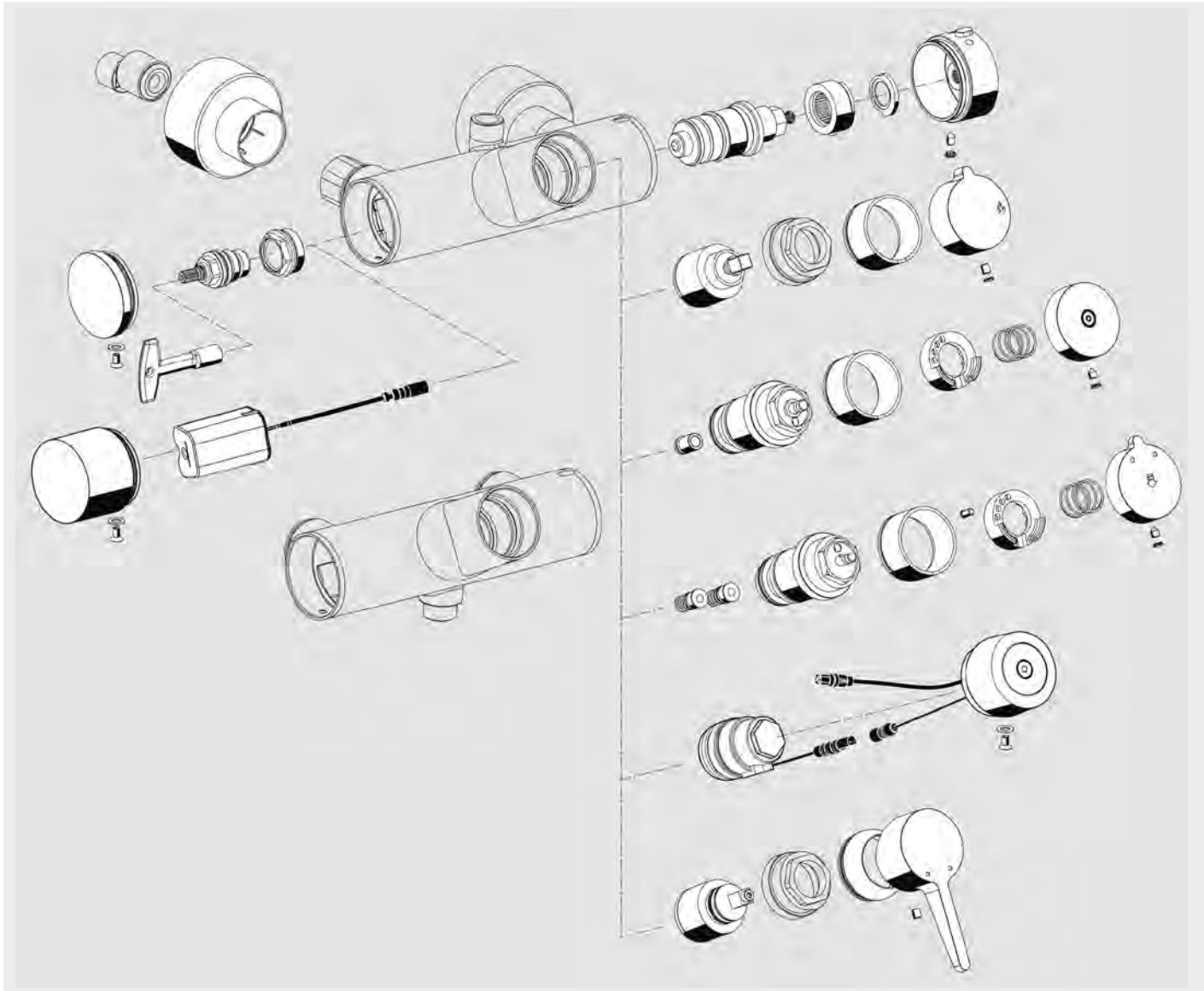
Spare parts  
shower fittings



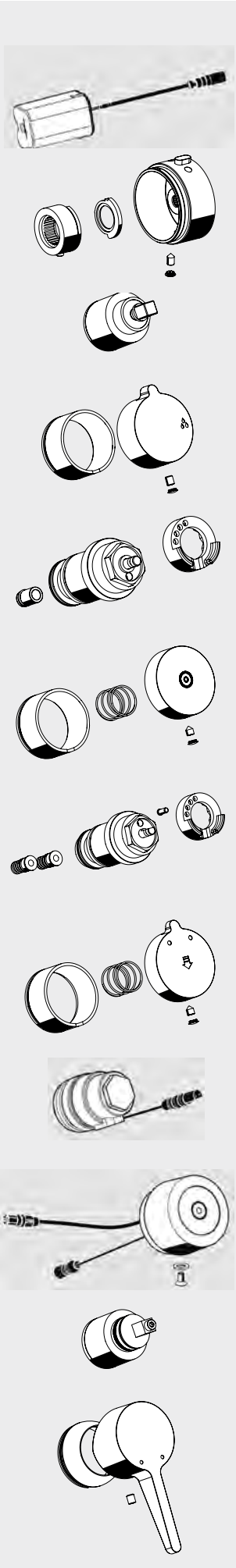


| Product description   | Article number |
|---|----------------|
| <b>Spray plate, complete</b><br>for shower head COMFORT /<br>Exposed shower head COMFORT<br>PU 1, W: 0,01 kg/Piece        | 77 678 00 99   |
| <b>Filter-Set LINUS</b><br>Backflow preventer, locking ring and<br>Filter (mesh size: 250 µm)<br>PU 1                     | 29 197 00 99   |
| <b>Solenoid valve 12 V, monostable</b><br>for shower panel DP-C-T 00 842 28 99,<br>Model with circular connection<br>PU 1 | 01 489 00 99   |
| <b>Thermostat cartridge</b><br>For shower panel LINUS Inox, LINUS Trend and angle vale thermostat<br>PU 1                 | 29 697 00 99   |
| <b>Operating button Thermostat</b><br>chrome, PU 1  | 23 111 06 99   |
| <b>Self-closing cartridge</b><br>PU 1   | 29 715 00 99   |
| <b>Operating button self-closing</b><br>chrome, PU 1  | 69 993 06 99   |

Spare parts  
shower fittings

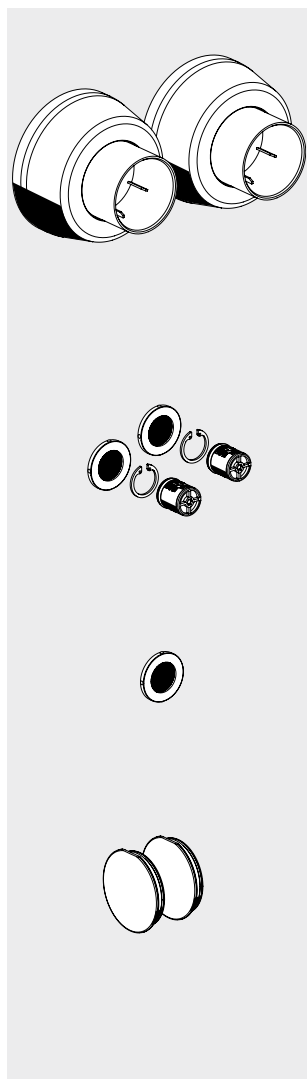
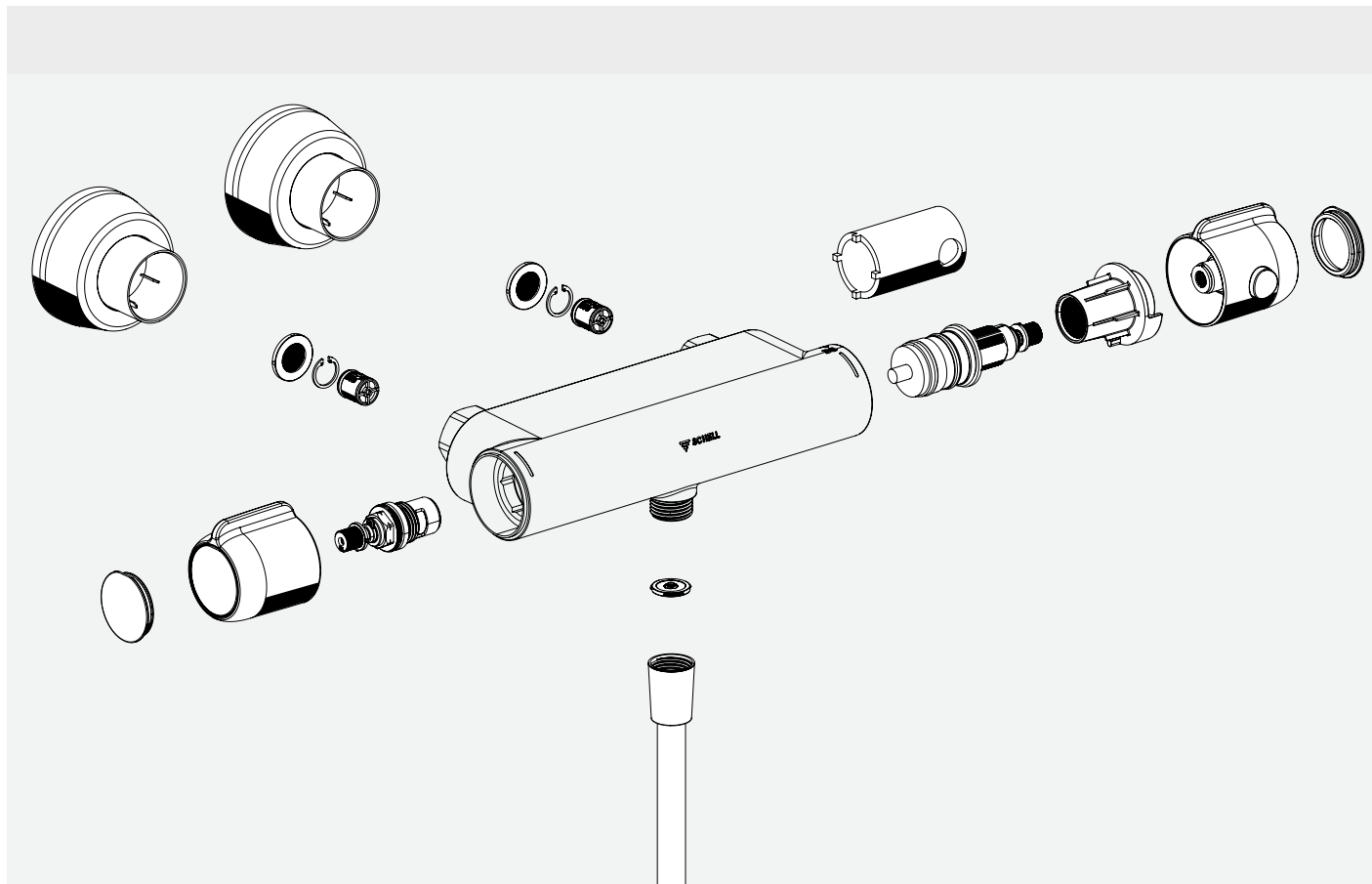


| Product description   | Article number |
|---|----------------|
| <b>Wall cover plate-Set VITUS</b><br>chrome, PU 1, W: 0,12 kg/Piece                       | 27 830 06 99   |
| <b>Cap VITUS</b><br>chrome, PU 1, W: 0,09 kg/Piece  | 69 967 06 99   |
| <b>Head part mit bleed key</b><br>for performance of thermal disinfection<br>chrome, PU 1 | 22 168 00 99   |
| <b>Thermostat cartridge VITUS</b><br>chrome, PU 1   | 29 676 00 99   |
| <b>Cap VITUS</b><br>chrome, PU 1  | 69 968 06 99   |



| Product description   | Article number |
|---|----------------|
| <b>Battery compartment VITUS incl. batteries</b><br>PU 1, W: 0,11 kg/Piece                                      | 01 925 00 99   |
| <b>Operating button thermostat</b><br>chrome, PU 1  | 23 103 06 99   |
| <b>Open/Close cartridge 90° VITUS</b><br>chrome, PU 1   | 29 677 00 99   |
| <b>Operating button Open/Close 90° VITUS</b><br>chrome, PU 1, W: 0,09 kg/Piece                                  | 23 104 06 99   |
| <b>Self-closing cartridge VITUS SC-T</b><br>PU 1, W: 0,25 kg/Piece  | 29 679 00 99   |
| <b>Operating button VITUS SC-T</b><br>chrome, PU 1, W: 0,08 kg/Piece  | 29 678 06 99   |
| <b>Self-closing cartridge VITUS SC-M</b><br>incl. hot water limitation<br>PU 1, W: 0,25 kg/Piece                | 29 681 00 99   |
| <b>Operating button VITUS SC-M</b><br>chrome, PU 1  | 29 680 06 99   |
| <b>Cartridge valve 6 V with integrated pre-filter</b><br>PU 1, W: 0,04 kg/Piece                                 | 01 442 00 99   |
| <b>CVD-Touch electronic VITUS</b><br>for exposed shower fittings VITUS VD-C-T<br>chrome, PU 1, W: 0,19 kg/Piece | 01 590 06 99   |
| <b>Single-lever cartridge VITUS</b><br>PU 1, W: 0,06 kg/Piece   | 29 634 00 99   |
| <b>Operating handle VITUS EH</b><br>chrome, PU 1, W: 0,14 kg/Piece  | 25 989 06 99   |

Spare parts  
shower fittings



## Product description

Article  
number

**Wall cover plate-Set VITUS**  
chrome, PU 1

27 832 06 99

**Backflow preventer MODUS MD-T**  
PU 1 (2 pieces)

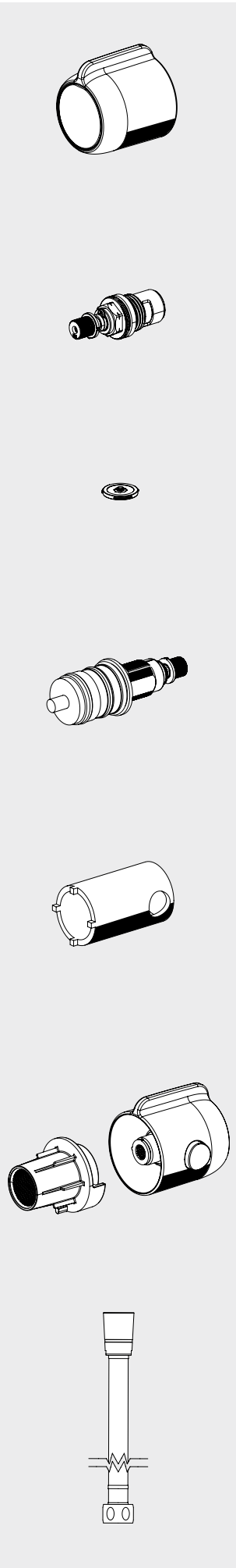
29 243 00 99


**Strainer seal MODUS MD-T**  
PU 1 (10 pieces)

29 238 00 99

**Cap MODUS MD-T**  
with seal  
chrome, PU 1 (2 pieces)

29 241 06 99



| Product description   | Article number               |
|---|------------------------------|
| <b>Operating button Open/Close MODUS MD-T</b><br>chrom, PU 1  | 29 237 06 99                 |
| <b>Ceramic head part MODUS MD-T</b><br>PU 1   | 29 235 00 99                 |
| <b>Flow restrictor LEED MODUS MD-T</b><br>For hand shower/Shower hose<br>PU 1 (10 pieces), 5,7 l/min (LEED)<br>PU 1 (10 pieces), 8,0 l/min (BREEAM)   | 29 239 00 99<br>29 240 00 99 |
| <b>Thermostat cartridge MODUS MD-T</b><br>with snap-on bush<br>PU 1   | 29 234 00 99                 |
| <b>Special tool</b><br>for MODUS MD-T, for replacing the thermostat cartridge<br>PU 1   | 29 242 00 99                 |
| <b>Thermostat handle MODUS MD-T</b><br>with screw, snap-on bush, temperature stop and cap<br>chrome, PU 1   | 29 236 06 99                 |
|  <b>Flexible shower hose with anti-twist protection</b><br>with seals<br>Length: 1500 mm<br>chrome, PU 1 | 29 193 06 99                 |

Spare parts  
shower fittings





## Spare parts

### ▪ Concealed WC flush valves

- VERONA E / VERONA 448 - 449
- COMPACT II, low pressure 0,8 bar 450
- COMPACT II 451

### ▪ WC controls

- EDITION E 452 - 453

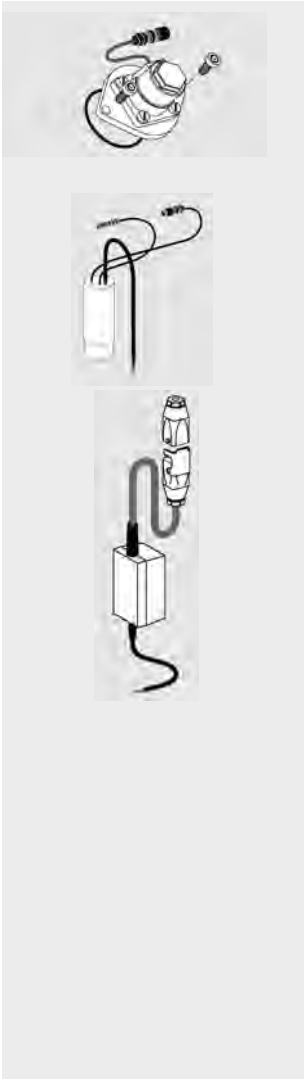
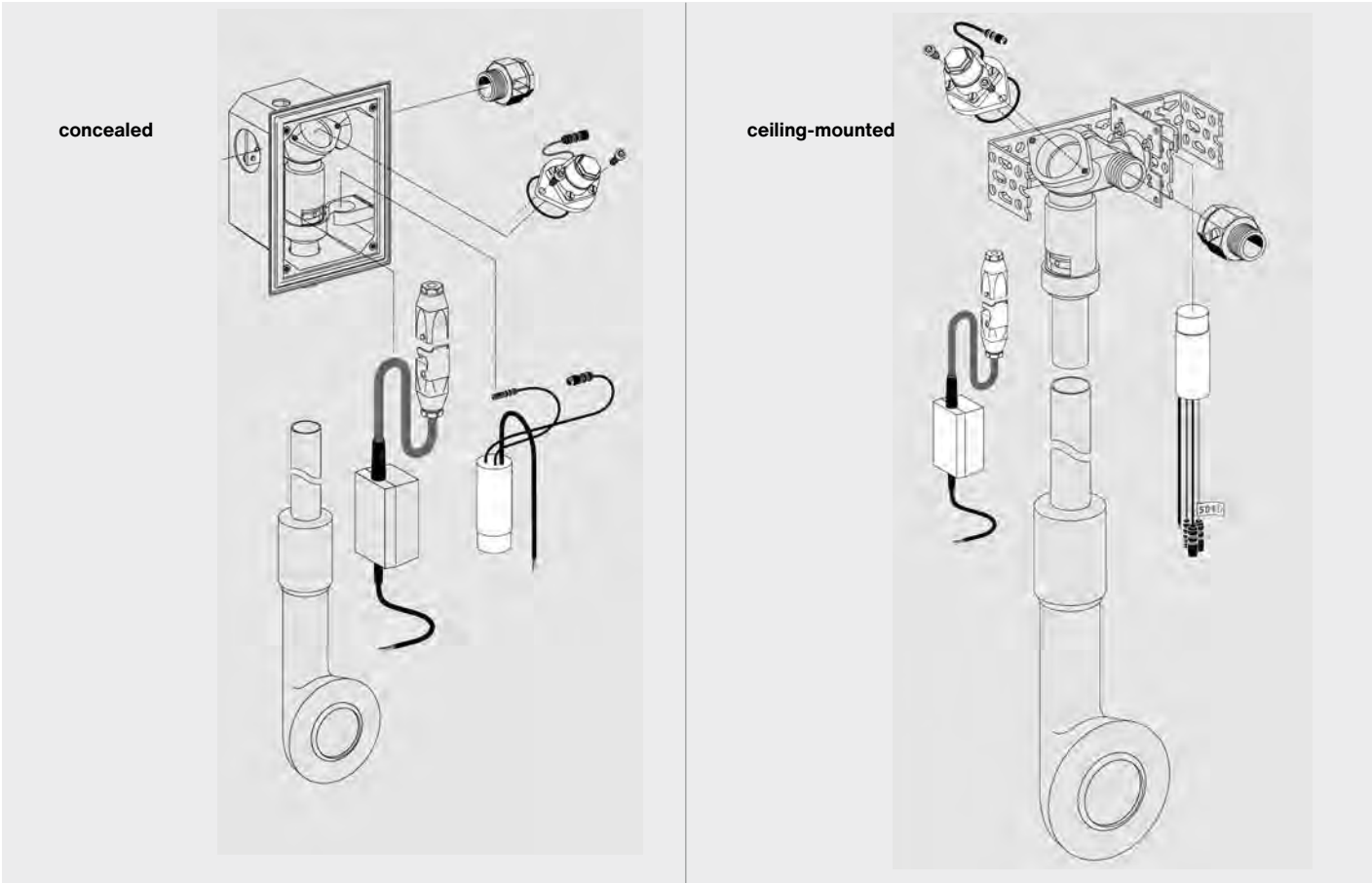
### ▪ WC modules

- with concealed cistern 454 - 457
- MONTUS with concealed cistern 458 - 462

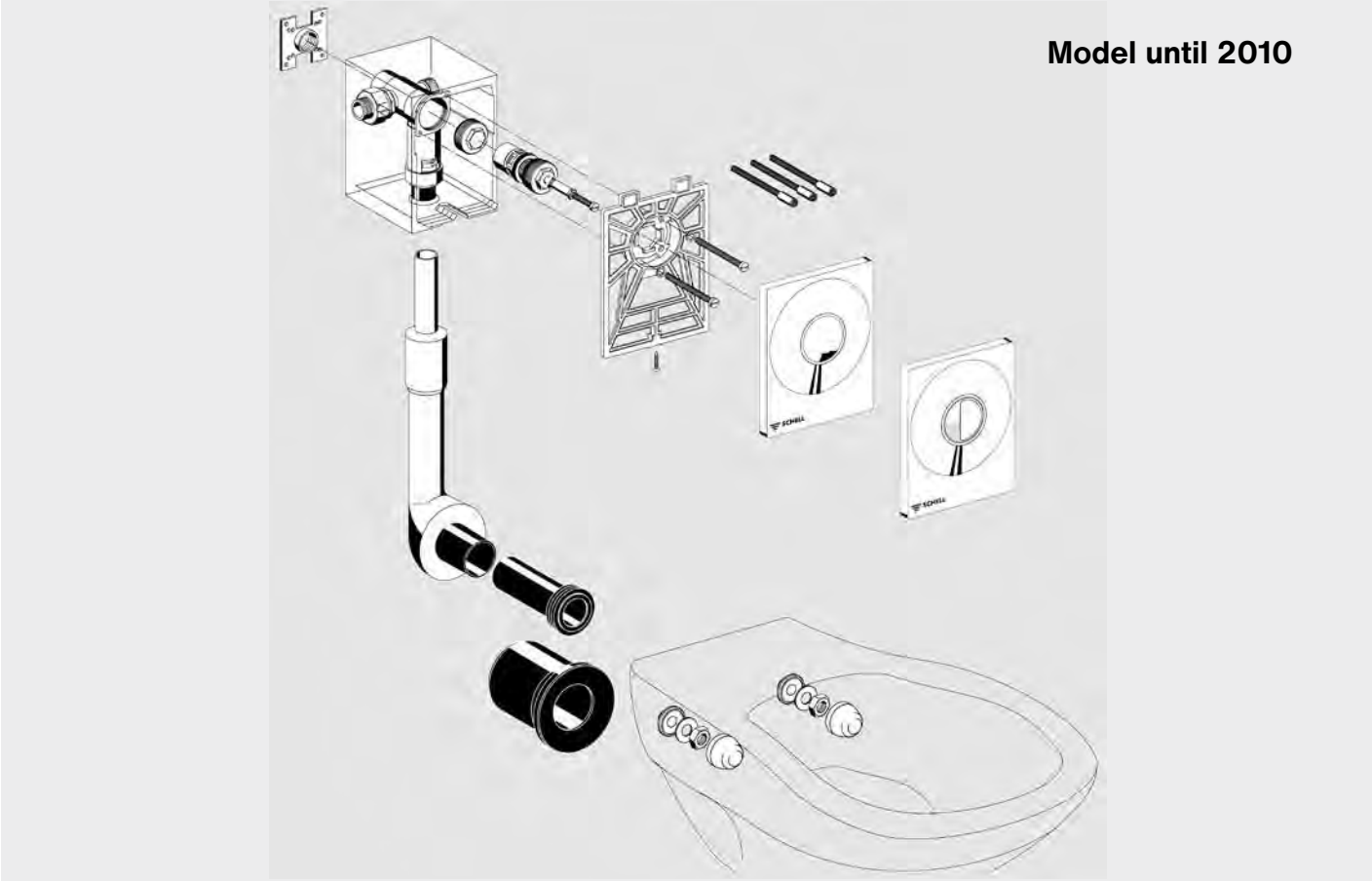
### ▪ Exposed WC flush valves

- SCHELLOMAT EDITION 463
- SCHELLOMAT EDITION Eco 464
- SCHELLOMAT BASIC 465
- SCHELLOMAT SILENT Eco 466
- SCHELLOMAT with lever 467
- SCHELLOMAT VALUE 468
- Flush valve SCHELLOMAT 469





| Product description   | Article number |
|---|----------------|
| <b>Solenoid valve 12 V / 2 W</b><br>PU 1, W: 0,24 kg/Piece  | 01 418 00 99   |
| <b>Electronic module, single flush</b><br>PU 1, W: 0,09 kg/Piece  | 01 224 00 99   |
| <b>Transformer VERONA E</b><br>230 V / 50 Hz, incl. mains plug<br>for ceiling-mounted WC flush valve VERONA E<br>PU 1, W: 0,28 kg/Piece | 01 468 00 99   |



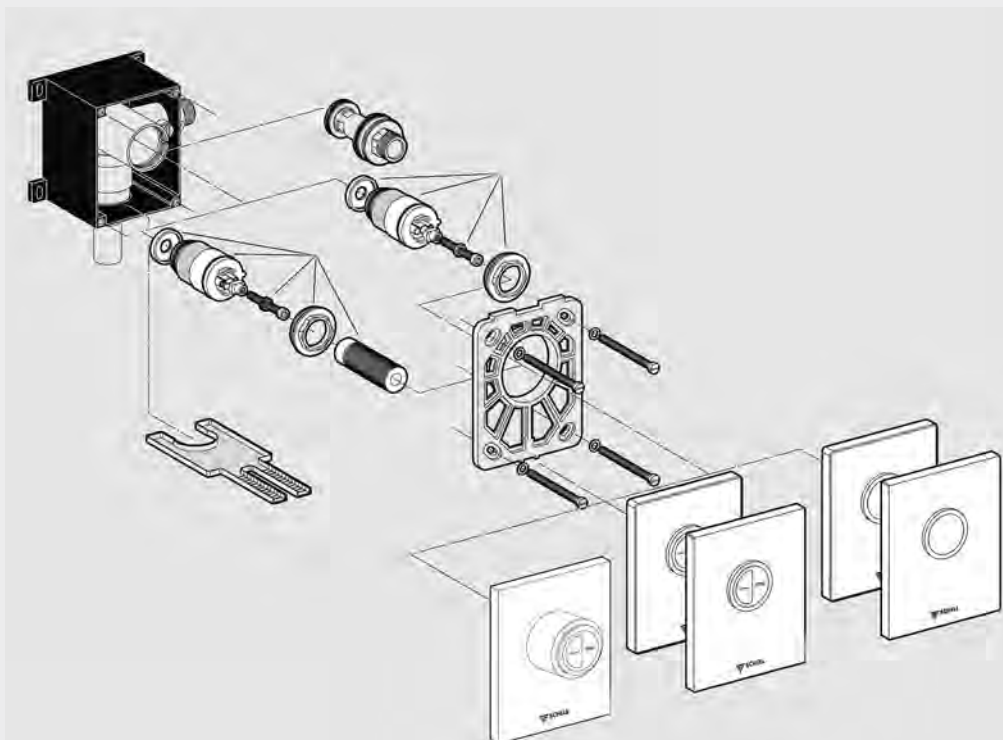
Model until 2010



| Product description  | Article number                             |
|--|--|
| <b>Cartridge</b><br>for VERONA concealed WC flush valve (spare part)<br>complete with flush volume adjustment<br><b>Material:</b> brass<br><b>PU 1, W: 0,35 kg/Piece</b><br><b>Version DZR, PU 1</b>                 | <b>29 407 00 99</b><br><b>29 455 00 99</b> |
| <b>WC operating panel VERONA</b><br>In standard version<br><b>Comprises:</b><br>cover plate with push button for 1 flush<br><b>standard model</b><br><b>Material:</b> brass<br><b>chrome, PU 1, W: 0,91 kg/Piece</b> | <b>03 204 06 99</b>                        |

Spare parts  
WC flush valves

Model from 2011



## Product description

Article  
number**WC cartridge EDITION low pressure**

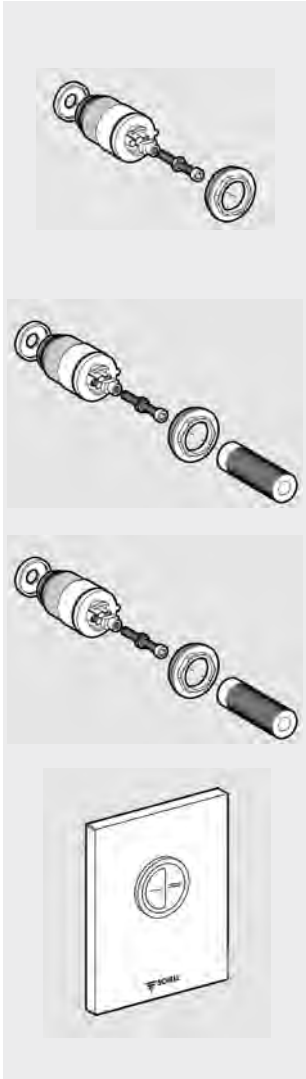
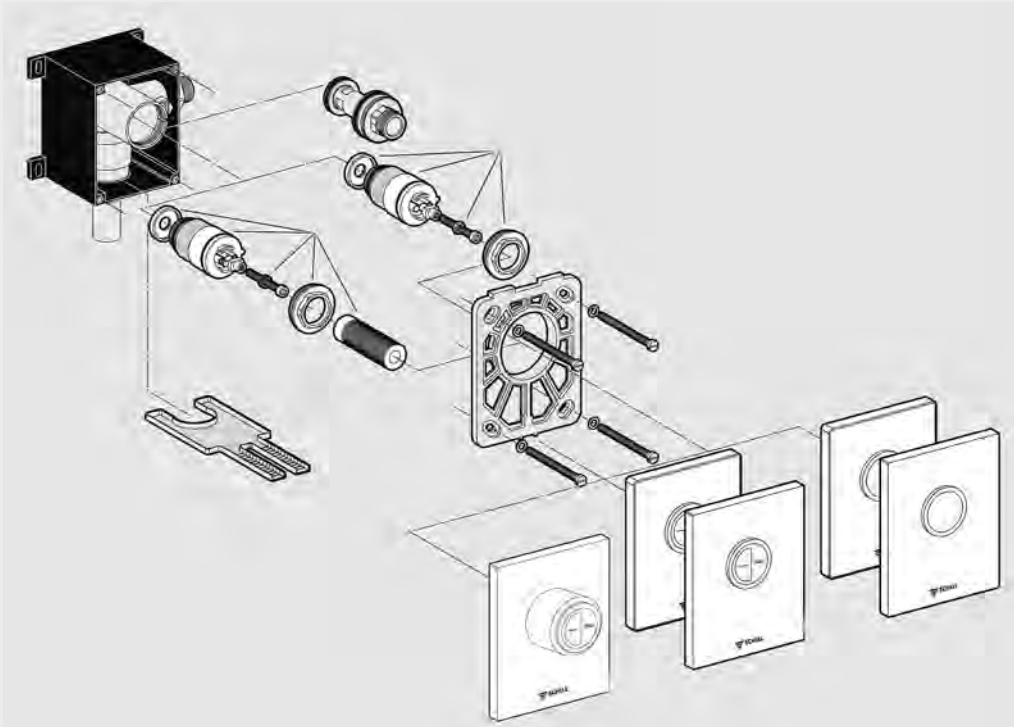
single flush

Cartridge with locking device  
complete with automatic jet cleaning needle**Material:** plastic**PU 1, W:** 0,18 kg/Piece**29 644 00 99****WC cartridge EDITION ECO low pressure**

dual flush

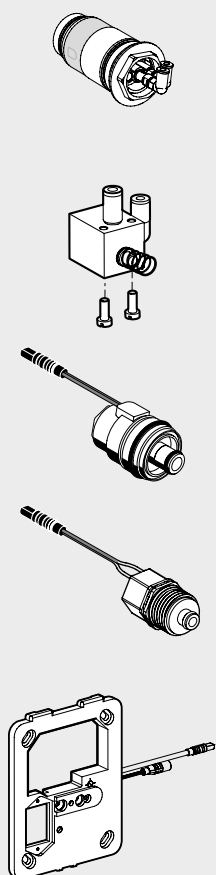
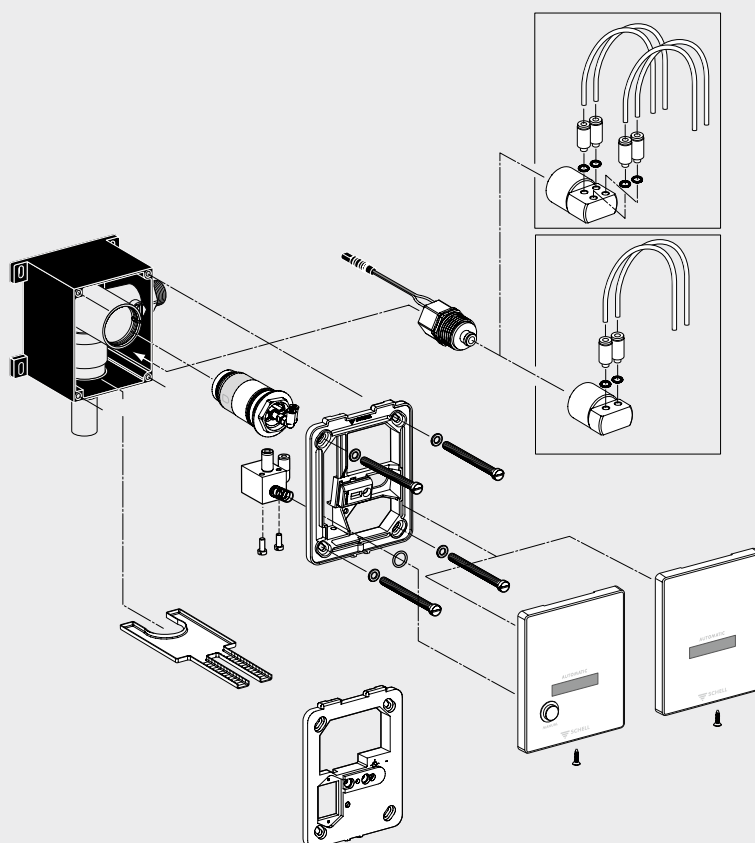
Cartridge with locking device  
complete with automatic jet cleaning needle**Material:** plastic**PU 1, W:** 0,23 kg/Piece**29 643 00 99**

Model from 2010



| Product description  | Article number                             |
|--|--|
| <b>WC cartridge EDITION</b><br>single flush<br>Cartridge with locking device<br>complete with automatic jet cleaning needle<br><b>Material:</b> plastic<br><b>PU 1, W: 0,18 kg/Piece</b>   | <b>29 626 00 99</b>                        |
| <b>WC cartridge EDITION ECO</b><br>dual flush<br>Cartridge with locking device<br>complete with automatic jet cleaning needle<br><b>Material:</b> plastic<br><b>PU 1, W: 0,18 kg/Piece</b> | <b>29 625 00 99</b>                        |
| <b>WC cartridge EDITION Eco (LEED / BREEAM able)</b><br>dual flush<br>Cartridge with locking device<br>complete with automatic jet cleaning needle<br><b>PU 1, W: 0,20 kg/Piece</b>        | <b>29 758 00 99</b>                        |
| <b>WC operating panel EDITION ECO</b><br>2 flush volumes<br><b>chrome, PU 1, W: 0,37 kg/Piece</b><br><b>white, PU 1, W: 0,37 kg/Piece</b>  | <b>23 088 06 99</b><br><b>23 088 15 99</b> |

Spare parts  
WC flush valves



## Product description

Article  
number**WC cartridge EDITION E****Comprises:**

- automatic jet cleaning needle
- bolt head
- 2 hose arrangement angles

**Material:** plastic**PU 1, W:** 0,16 kg/Piece**29 670 00 99****Mechanical bypass valve EDITION E****PU 1, W:** 0,86 kg/Piece**25 661 06 99****Cartridge valve 6 V with integrated pre-filter**

for fittings until 2014

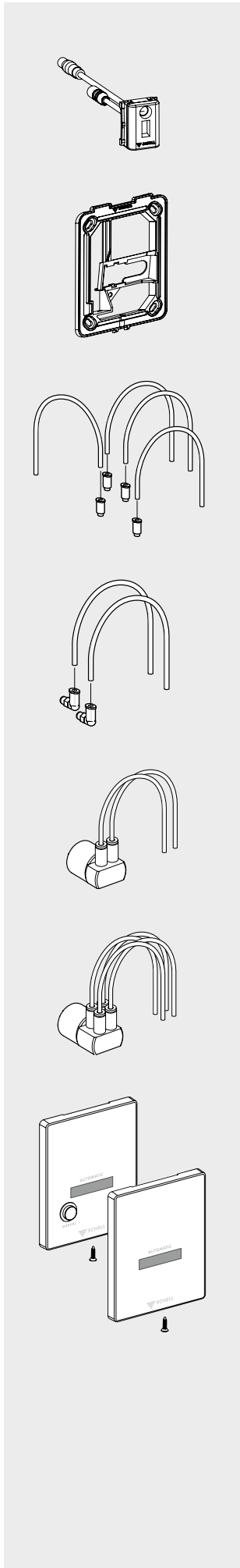
Model with circular connection

**PU 1, W:** 0,04 kg/Piece**01 442 00 99****Solenoid valve DN5**

for fittings from 2019

Model with circular connection

**PU 1****00 918 00 99****Mounting frame with electronic module  
WC control EDITION E**Infrared, for fittings until 2016**PU 1, W:** 0,18 kg/Piece**00 907 00 99**

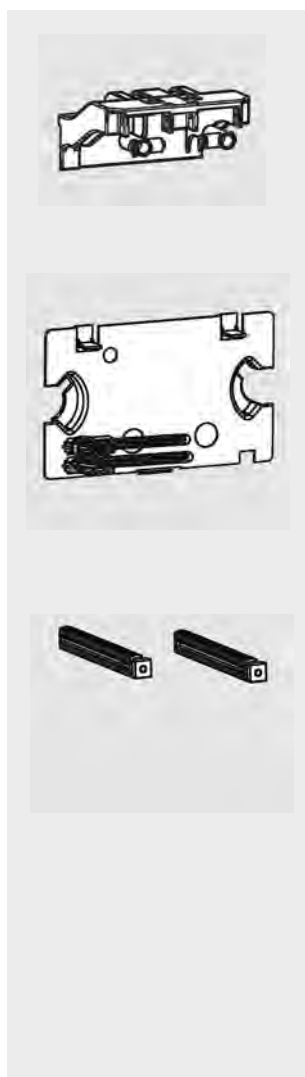
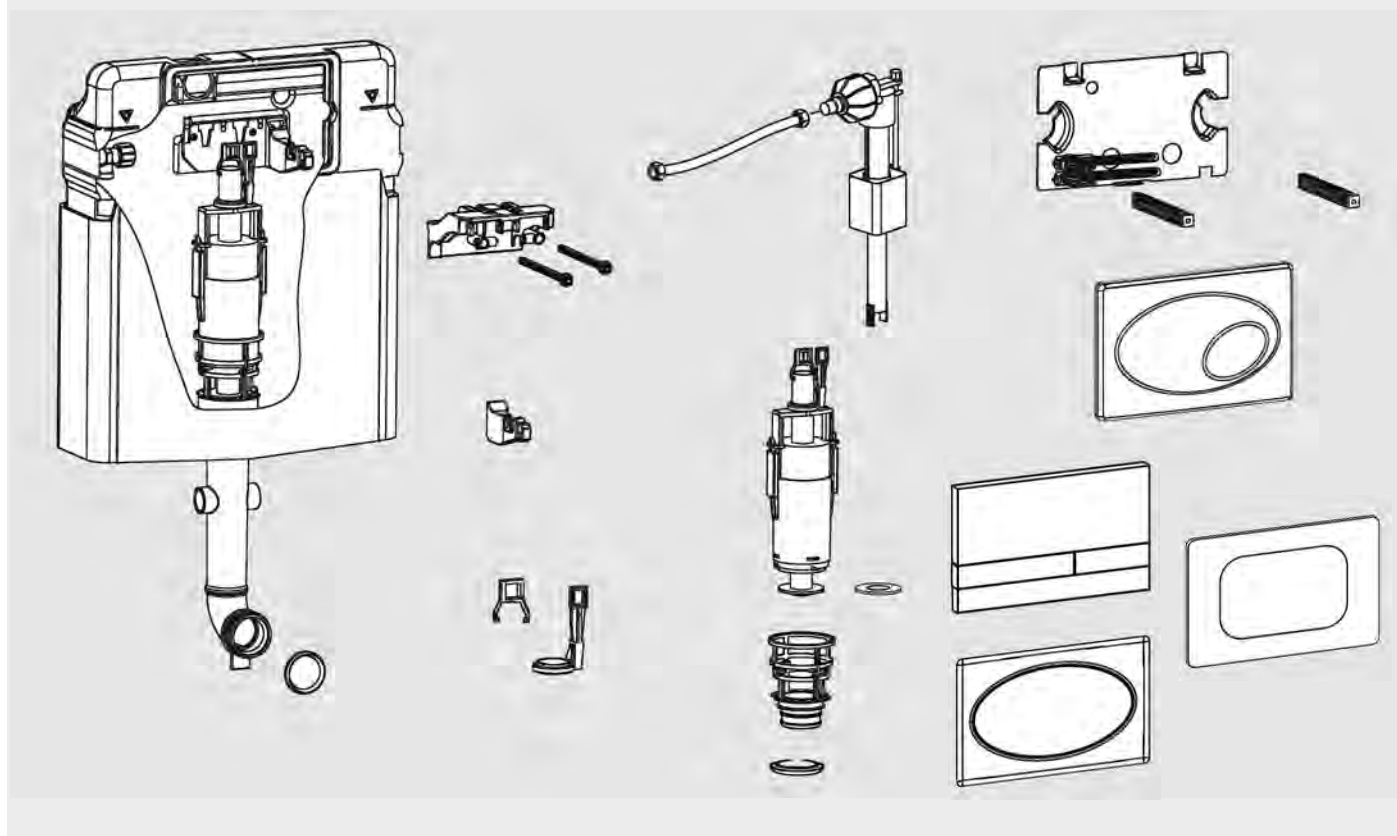


| Product description   | Article number |
|---|----------------|
| <b>Electronic module WC EDITION E</b><br>for fittings with solenoid valve DN5 from 2019<br>PU 1                         | 26 005 00 99   |
| <b>Mounting frame EDITION E</b><br>for fittings from 2016<br>incl. fastening material<br>PU 1, W: 0,15 kg/Piece         | 77 700 00 99   |
| <b>Hydraulic hose set EDITION E MANUAL</b><br>4 pieces with plug connection<br>PU 1, W: 0,07 kg/Piece                   | 25 037 00 99   |
| <b>Hydraulic hose set EDITION E</b><br>2 pieces with plug connection, for fittings until 2019<br>PU 1, W: 0,05 kg/Piece | 25 036 00 99   |
| <b>Valve unit 2-fold EDITION E</b><br>for fittings with solenoid valve from 2019<br>PU 1, W: 0,12 kg/Piece              | 25 677 00 99   |
| <b>Valve unit 4-fold EDITION E MANUAL</b><br>for fittings with solenoid valve from 2019<br>PU 1, W: 0,13 kg/Piece       | 25 678 00 99   |
| <b>WC-front panel EDITION E MANUAL</b><br>stainless steel, PU 1, W: 0,22 kg/Piece                                       | 25 880 28 99   |
| <b>WC-front panel EDITION E</b><br>stainless steel, PU 1, W: 0,20 kg/Piece  | 25 881 28 99   |

Spare parts  
WC flush valves



Until December 2015



## Product description

Article  
number**Rod-bearing**

PU 1, W: 0,09 kg/Piece

**03 048 00 99****Splash guard plate incl. trigger bolt**

PU 1, W: 0,09 kg/Piece

**03 049 00 99****Bolt locking device (set)**

PU 1, W: 0,03 kg/Piece

**77 638 00 99**

Until December 2015



| Product description                                 | Article number      |
|---|---------------------|
| <b>Trigger bolt (set)</b><br>PU 1, W: 0,02 kg/Piece | <b>77 639 00 99</b> |



|   |                     |
|---|---------------------|
| <b>Lifting tackle with swivel</b><br>PU 1, W: 0,09 kg/Piece | <b>77 640 00 99</b> |
|---|---------------------|



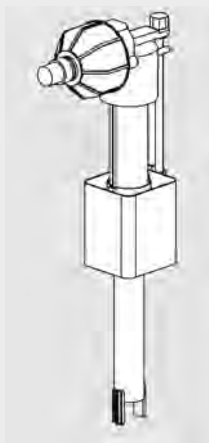
|  |                     |
|--|---------------------|
| <b>Lifting clip</b><br>PU 1, W: 0,005 kg/Piece | <b>77 641 00 99</b> |
|--|---------------------|



|   |                     |
|---|---------------------|
| <b>Lip seal for flush elbow</b><br>PU 1, W: 0, 005 kg/Piece | <b>77 642 00 99</b> |
|---|---------------------|

Spare parts  
WC flush valves

Until December 2015



## Product description

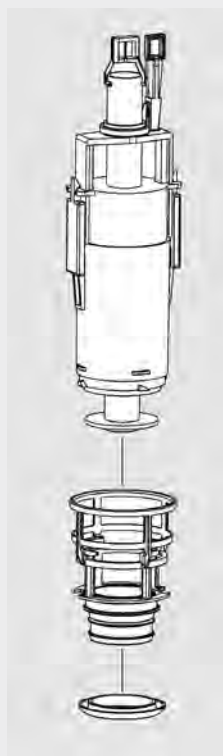
Article  
number**Filling valve**

for SCHELL concealed cistern

PU 1, W: 0,23 kg/Piece

**03 276 00 99****Flexible connecting hose G 3/8**

chrome, PU 1, W: 0,10 kg/Piece

**10 249 06 99****Drain valve**

incl. base valve

PU 1, W: 0,40 kg/Piece

**03 273 00 99****Closing disc**

for drain valve

PU 1, W: 0,01 kg/Piece

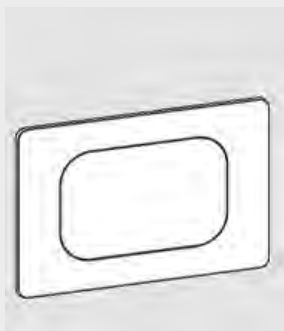
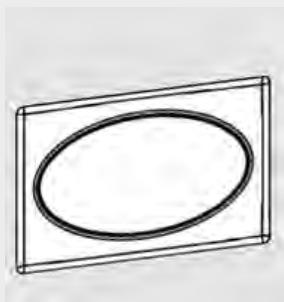
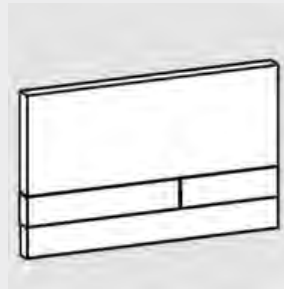
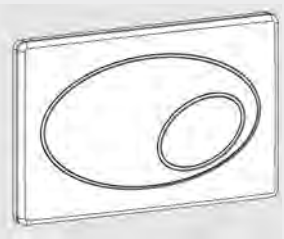
**77 613 00 99****Lip seal**

for drain valve

PU 1, W: 0,01 kg/Piece

**77 614 00 99**

Until December 2015



| Product description | Article number |
|---------------------|----------------|
|---------------------|----------------|

|   |  |
|---|--|
| <b>WC operating panel</b><br>dual flush<br><b>Material:</b> front panel out of plastic<br><b>chrome, PU 1, W: 0,47 kg/Piece</b><br><b>white, PU 1, W: 0,46 kg/Piece</b> | <b>03 263 06 99</b><br><b>03 263 12 99</b> |
|---|--|

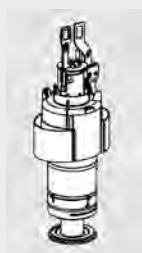
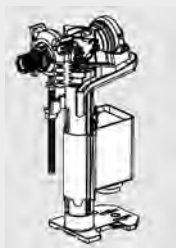
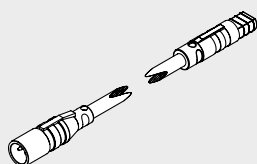
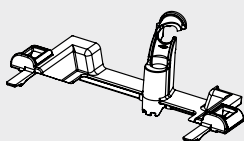
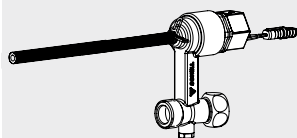
|   |   |
|---|---|
| <b>WC operating panel LINEAR ECO</b><br>dual flush<br><b>Material:</b> front panel out of plastic<br><b>chrome, PU 1, W: 0,47 kg/Piece</b><br><b>matt chrome, PU 1, W: 0,47 kg/Piece</b><br><b>alpine white, PU 1, W: 0,47 kg/Piece</b> | <b>03 285 06 99</b><br><b>03 285 64 99</b><br><b>03 285 15 99</b> |
|---|---|

|   |  |
|---|--|
| <b>WC operating panel</b><br>start-stop<br><b>Material:</b> front panel out of plastic<br><b>chrome, PU 1, W: 0,46 kg/Piece</b><br><b>white, PU 1, W: 0,44 kg/Piece</b> | <b>03 262 06 99</b><br><b>03 262 12 99</b> |
|---|--|

|  |                     |
|--|---------------------|
| <b>WC operating panel</b><br>start-stopp<br><b>Material:</b> front panel stainless steel<br><b>stainless steel, PU 1, W: 0,71 kg/Piece</b> | <b>03 262 28 99</b> |
|--|---------------------|

Spare parts  
WC flush valves

From January 2016



## Product description

Article  
number**Bypass housing with solenoid valve MONTUS Flow**

Bypass housing with screw connections G 3/8 and solenoid valve with two-pin plug male, hose for hygienic flush with clamp for cistern MONTUS Flow

PU 1

25 679 00 99

**Lifter for drain valve MONTUS Flow**

for cistern MONTUS Flow 12 cm

PU 1

77 757 00 99

**Hose holder bridge MONTUS Flow**

for cistern MONTUS Flow 12 cm

PU 1

77 756 00 99

**Connection cable for solenoid valve MONTUS Flow**

Connection cable with two-pin plug, male/female, for cistern MONTUS Flow

PU 1, 5000 mm

51 021 00 99

**Filling valve MONTUS**

for all concealed cisterns MONTUS

PU 1, W: 0,22 kg/pc.

03 080 00 99

**Drain valve MONTUS**

for concealed cistern

MONTUS C 80 03 062 00 99, MONTUS C-N 80 03 059 00 99, MONTUS C 80 n 03 064 00 99, MONTUS C 90 03 061 00 99

PU 1, W: 0,26 kg/pc.

03 081 00 99

**Gasket MONTUS**

for drain valve 03 081 00 99

PU 1, W: 0,04 kg/pc.

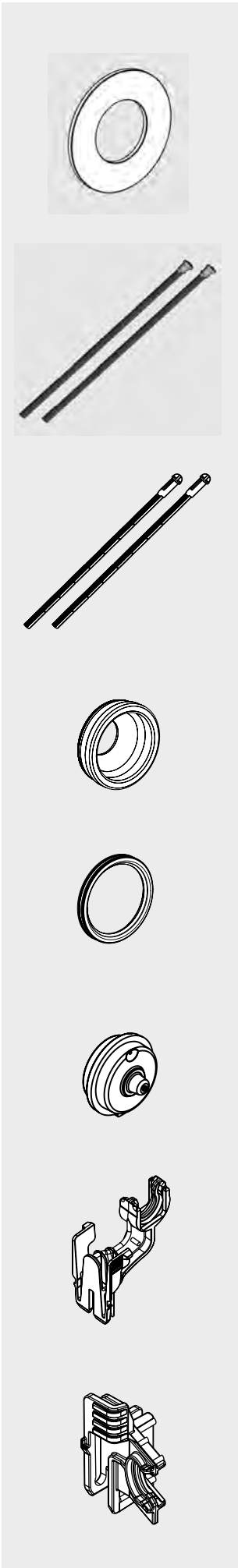
03 082 00 99

**Drain valve MONTUS**

for concealed cistern MONTUS C 120 03 056 00 99, 03 057 00 99, MONTUS C barrier free 03 066 00 99, MONTUS C-N 120 03 058 00 99, MONTUS C 120 n 03 073 00 99, MONTUS 820 C 03 060 00 99,

PU 1, W: 0,33 kg/pc.

03 083 00 99



| Product description   | Article number |
|---|----------------|
| <b>Gasket MONTUS</b><br>for drain valve 03 083 00 99<br>PU 1, W: 0,01 kg/Piece  | 03 084 00 99   |
| <b>Cistern trigger bolts MONTUS, red</b><br>for 8 cm and 12 cm cistern<br>PU 1  | 03 128 00 99   |
| <b>Cistern trigger bolts MONTUS, gray</b><br>for 8 cm and 12 cm cistern<br>PU 1 | 03 129 00 99   |
| <b>Lip seal flush pipe MONTUS</b><br>for 8 cm cistern<br>PU 1                   | 03 132 00 99   |
| <b>Lip seal flush pipe MONTUS</b><br>for 12 cm cistern<br>PU 1                  | 03 133 00 99   |
| <b>Membrane filling valve MONTUS</b><br>for 8 cm and 12 cm cistern<br>PU 1      | 03 134 00 99   |
| <b>Holder MONTUS for filling valve</b><br>for 8 cm cistern<br>PU 1              | 03 141 00 99   |
| <b>Holder MONTUS for filling valve</b><br>for 12 cm cistern<br>PU 1             | 03 135 00 99   |

Spare parts  
WC flush valves



Product description

Article  
number

**Splash protection plate MONTUS**  
for 12 cm cistern  
PU 1

**03 137 00 99**

**Mounting bracket arch of discharge MONTUS**  
for 12 cm cistern  
PU 1

**03 138 00 99**

*Excerpt from product group 20*  
**PE-wall-WC arch of discharge MONTUS, DN 90/90**  
with double lip seal  
PU 1, W: 0,34 kg/pc.

**29 698 00 99**

*Excerpt from product group 20*  
**SHELL PE-reducer DN 90/110 mm**  
for PE-wall WC arch of discharge with double lip seal  
PU 1, W: 0,12 kg/pc.

**29 699 00 99**

**Flush pipe bend holder MONTUS**  
for 12 cm cistern  
PU 1

**29 214 00 99**

**Connecting tube MONTUS**  
45/90 mm, for 12 cm cistern  
PU 1

**29 215 00 99**




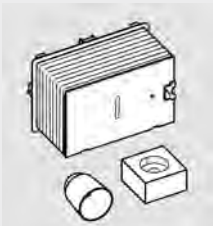




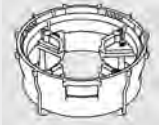
**Spare part set for frame MONTUS**  
M 12 mm, for 12 cm cistern  
PU 1

**29 216 00 99**

| Product description   | Article number |
|---|----------------|
| <b>Protection box MONTUS</b><br>for 8 cm cistern<br>PU 1, rot           | 29 217 00 99   |
| <b>Basic frame for control plate MONTUS</b><br>for 8 cm cistern<br>PU 1 | 29 218 00 99   |
| <b>Anchor for outlet valve MONTUS</b><br>for 8 cm cistern<br>PU 1       | 29 219 00 99   |
| <b>Flexible hose MONTUS</b><br>for 8 cm cistern<br>PU 1                 | 29 220 00 99   |
| <b>Lever bearing MONTUS</b><br>for 8 cm cistern<br>PU 1                 | 29 221 00 99   |
| <b>Fastening set MONTUS</b><br>for 8 cm cistern<br>PU 1 Set (10 piece)  | 29 222 00 99   |
| <b>Fastening set MONTUS</b><br>for 8 cm cistern<br>PU 1 Set (10 piece)  | 29 223 00 99   |
| <b>Outlet valve holder MONTUS</b><br>for 8 cm cistern<br>PU 1           | 29 224 00 99   |

Spare parts  
WC flush valves



|   | Product description   | Article number |
|---|---|----------------|
|    | <b>O-ring set 37 mm MONTUS</b><br>for 8 cm cistern<br>PU 1 Set (5 piece)              | 29 225 00 99   |
|    | <b>Tube with O-ring MONTUS</b><br>for 8 cm cistern<br>PU 1, white                     | 29 226 00 99   |
|    | <b>Anchor for outlet valve MONTUS</b><br>for 12 cm cistern<br>PU 1                    | 29 227 00 99   |
|   | <b>Protection shaft raw installation MONTUS</b><br>for 8 cm cistern and 12 cm<br>PU 1 | 29 228 00 99   |
|  | <b>Fastening for control plate MONTUS</b><br>for 12 cm cistern<br>PU 1                | 29 229 00 99   |
|  | <b>Flexible hose MONTUS</b><br>for 12 cm cistern<br>PU 1                              | 29 230 00 99   |
|  | <b>Fastening set without frame MONTUS</b><br>for 12 cm cistern<br>PU 1                | 29 231 00 99   |
|  | <b>Flush pipe complete with O-ring MONTUS</b><br>for 12 cm cistern<br>PU 1            | 29 232 00 99   |
|  | <b>Flowreducer MONTUS</b><br>for 12 cm cistern<br>PU 1                                | 29 233 00 99   |

| Product description | Article number |
|---------------------|----------------|
|---------------------|----------------|

**Push button**  
for SCHELLOMAT EDITION  
with pressure spring  
chrome, PU 1, W: 0,12 kg/pc.

23 046 06 99

**Cartridge, complete**  
for SCHELLOMAT EDITION  
PU 1, W: 0,17 kg/pc.

29 490 00 99

**Flush pipe union, complete**  
chrome, PU 1, W: 0,15 kg/pc.

23 767 06 99



from 2009

**Push button**  
for SCHELLOMAT EDITION ECO  
with pressure spring  
for flush valves with cartridge from 2009  
chrome, PU 1, W: 0,16 kg/pc.

23 073 06 99



from 2009

**Cartridge, complete**  
for SCHELLOMAT EDITION ECO  
for flush valves with push button from 2009  
PU 1, W: 0,17 kg/pc.

29 618 00 99



until 2008

**Push button**  
for SCHELLOMAT EDITION ECO  
with pressure spring  
for flush valves with cartridge until 2008  
chrome, PU 1, W: 0,22 kg/pc.

23 047 06 99



until 2008

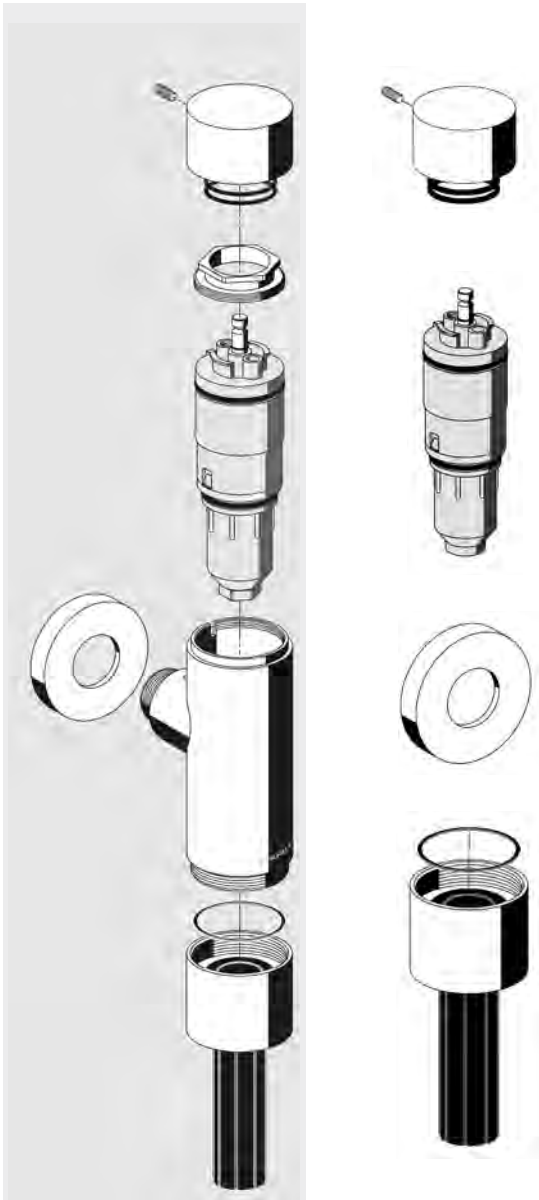
**Cartridge, complete**  
for SCHELLOMAT EDITION ECO  
for flush valves with push button until 2008  
PU 1, W: 0,17 kg/pc.

29 479 00 99



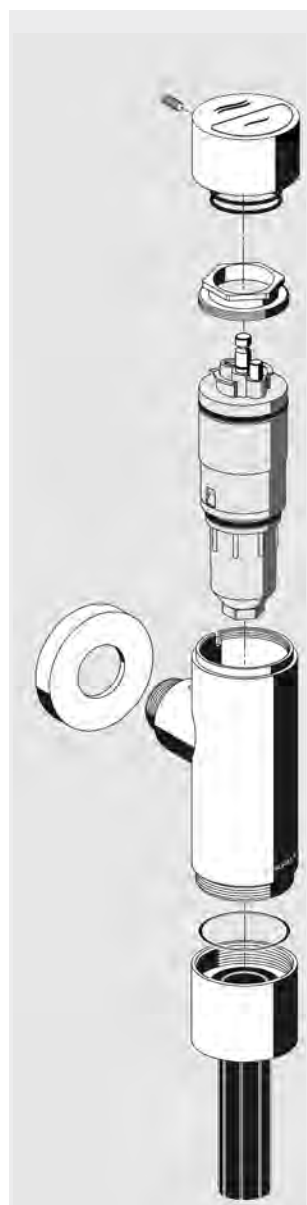
**Flush pipe union, complete**  
chrome, PU 1, W: 0,15 kg/pc.

23 767 06 99



| Product description  |  | Article number |
|--|--|----------------|
| <b>Push button</b><br>for SCHELLOMAT BASIC<br>with pressure spring<br>chrome, PU 1, W: 0,20 kg/pc. |  | 23 043 06 99   |
| <b>Cartridge, complete</b><br>for SCHELLOMAT BASIC<br>PU 1, W: 0,17 kg/pc.                         |  | 29 490 00 99   |
| <b>Wall cover plate</b><br>chrome, PU 1, W: 0,02 kg/pc.  |  | 62 506 06 99   |
| <b>Flush pipe union, complete</b><br>chrome, PU 1, W: 0,15 kg/pc.                                  |  | 23 767 06 99   |

Spare parts  
WC flush valves



## Product description

Article  
number

from 2009

**Push button**  
for SCHELLOMAT SILENT ECO  
with pressure spring  
for flush valves with cartridge from 2009  
chrome, PU 1, W: 0,16 kg/pc.

23 073 06 99

from 2009

**Cartridge, complete**  
for SCHELLOMAT SILENT ECO  
for flush valves with push button from 2009  
PU 1, W: 0,17 kg/pc.

29 618 00 99

until 2008

**Push button**  
for SCHELLOMAT SILENT ECO  
with pressure spring  
for flush valves with cartridge until 2008  
chrome, VE 1, W: 0,22 kg/pc.

23 042 06 99

until 2008

**Cartridge, complete**  
for SCHELLOMAT SILENT ECO  
for flush valves with push button until 2008  
PU 1, W: 0,17 kg/pc.












29 479 00 99

**Wall cover plate**  
chrome, PU 1, W: 0,02 kg/pc.

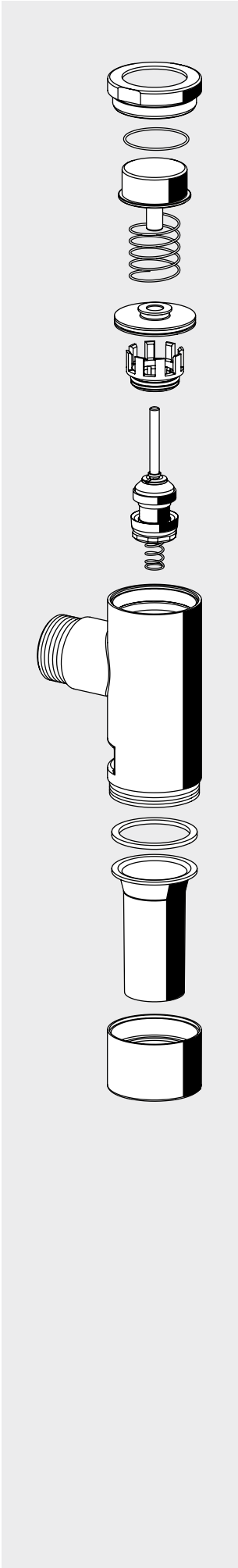
62 506 06 99

**Flush pipe union, complete**  
chrome, PU 1, W: 0,15 kg/pc.

23 767 06 99

| Product description   |   | Article number |
|---|---|----------------|
|  | <br><b>Sealing cap, complete</b><br>chrome, PU 1, W: 0,06 kg/pc.   | 25 815 06 99   |
|   | <br><b>Sealing cap, complete</b><br>for flush valves until 2011<br>chrome, PU 1, W: 0,06 kg/pc.                | 62 100 06 99   |
|   | <br><b>Piston, complete</b><br>with automatic jet-cleaning needle<br>Material: plastic<br>PU 1, W: 0,02 kg/pc. | 29 420 00 99   |
|   | <br><b>Piston, complete</b><br>Material: brass<br>PU 1, W: 0,06 kg/pc.   | 29 300 00 99   |
|   | <br>until 11/2011<br><b>Lever complete with lever screw</b><br>chrome, PU 1, W: 0,04 kg/pc.                    | 29 421 06 99   |
|   | <br>from 11/2011<br><b>Lever complete with lever screw</b><br>chrome, PU 1, W: 0,05 kg/pc.                   | 29 664 06 99   |
|   | <br><b>Lifting sleeve</b><br>PU 1, W: 0,01 kg/pc.  | 77 400 00 99   |
|   | <br>until 11/2011<br><b>Flush pipe union, complete</b><br>chrome, PU 1, W: 0,07 kg/pc.                       | 26 007 06 99   |
|   | <br>from 10/2011<br><b>Flush pipe union, complete</b><br>chrome, PU 1, W: 0,07 kg/pc.                        | 29 669 06 99   |
|   | <br>until 11/2011    from 10/2011  |                |

Spare parts  
WC flush valves



| Product description | Article number |
|---------------------|----------------|
|---------------------|----------------|

**Push button**  
for SCHELLOMAT VALUE  
with pressure spring  
chrome, PU 1

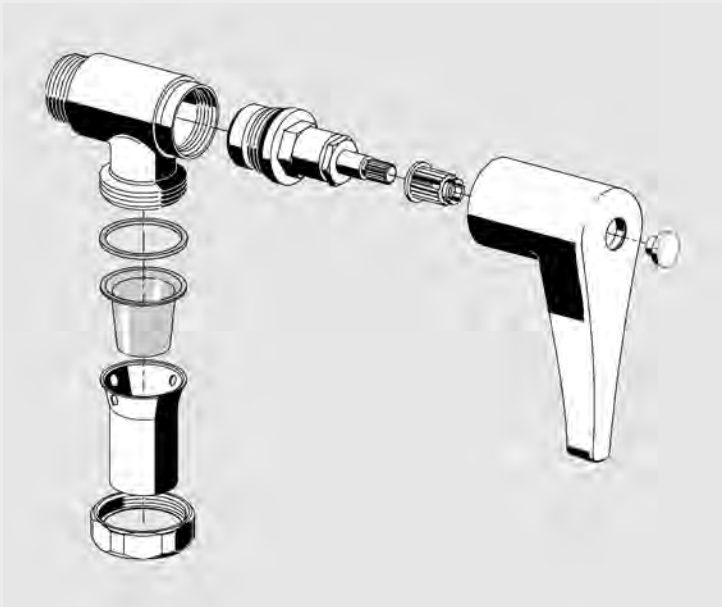
23 777 06 99

**Piston**  
for SCHELLOMAT VALUE  
PU 1

29 696 00 99

**Pipe sleeve**  
for SCHELLOMAT VALUE  
PU 1

50 752 00 99



| Product description  | Article number      |
|--|---------------------|
| <b>Top fitting</b><br>for exposed WC flush valve SCHELLOMAT<br>Spare parts for article 02 702 06 99, see page 208<br><b>PU 1, W: 0,12 kg/Piece</b>   | <b>22 148 00 99</b> |
| <b>Snap-on bush with cover</b><br>for exposed WC flush valve SCHELLOMAT<br>Spare parts for article 02 702 06 99, see page 208<br><b>PU 1, W: 0,002 kg/Piece</b>  | <b>23 301 00 99</b> |
| <b>Lever handle</b><br>for exposed WC flush valve SCHELLOMAT,<br>incl. snap-on bush and support sleeve<br>Spare parts for article 02 702 06 99, see page 208<br>Handle material: Metal<br><b>chrome, PU 1, W: 0,15 kg/Piece</b>  | <b>23 036 06 99</b> |
| <b>Service-Set</b><br>for exposed WC flush valve SCHELLOMAT<br>02 702 06 99 / 02 703 06 99, see page 208<br><b>Comprises:</b><br>pipe sleeve<br>pipe inset<br>union nut<br>sealing ring<br><b>chrome, PU 1, W: 0,05 kg/Piece</b> | <b>26 072 06 99</b> |

Spare parts  
WC flush valves





## Spare parts

### ▪ Urinal controls

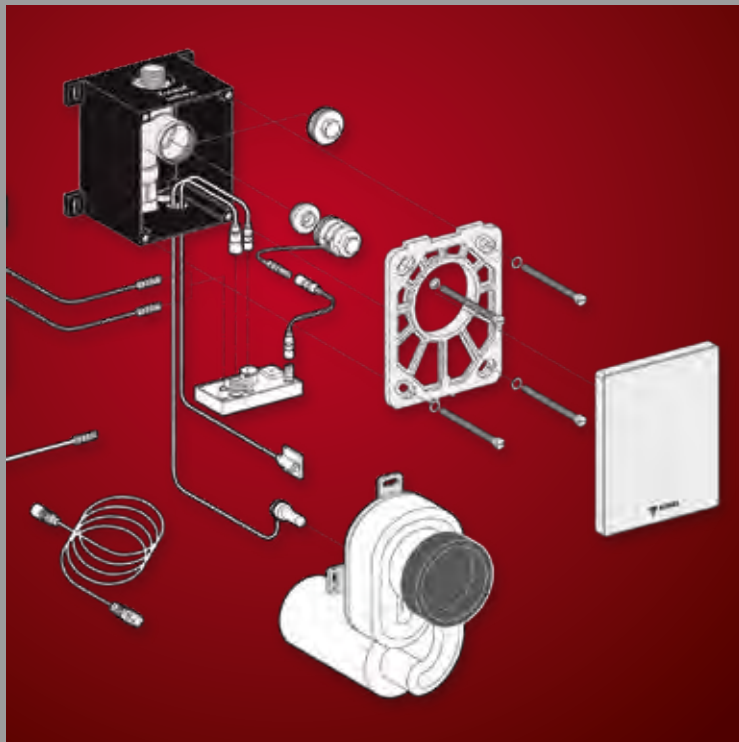
- |                            |           |
|----------------------------|-----------|
| - EDITION E / AMBITION E   | 472 - 474 |
| - COMPACT HF / RETROFIT HF | 475       |
| - COMPACT LC / RETROFIT LC | 476 - 477 |

### ▪ Concealed urinal flush valves

- |           |           |
|-----------|-----------|
| - COMPACT | 478 - 479 |
|-----------|-----------|

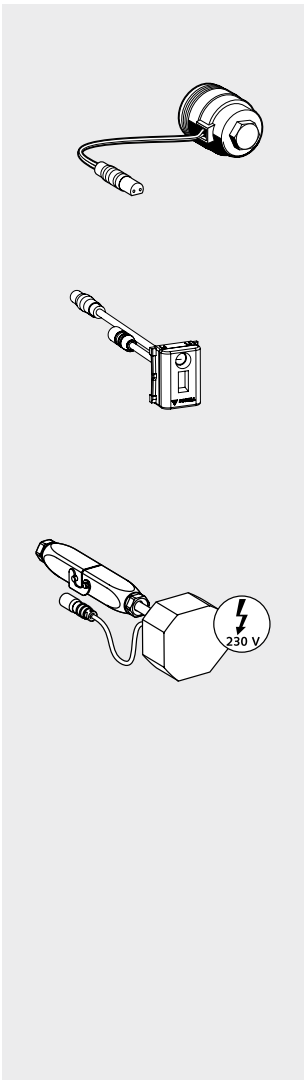
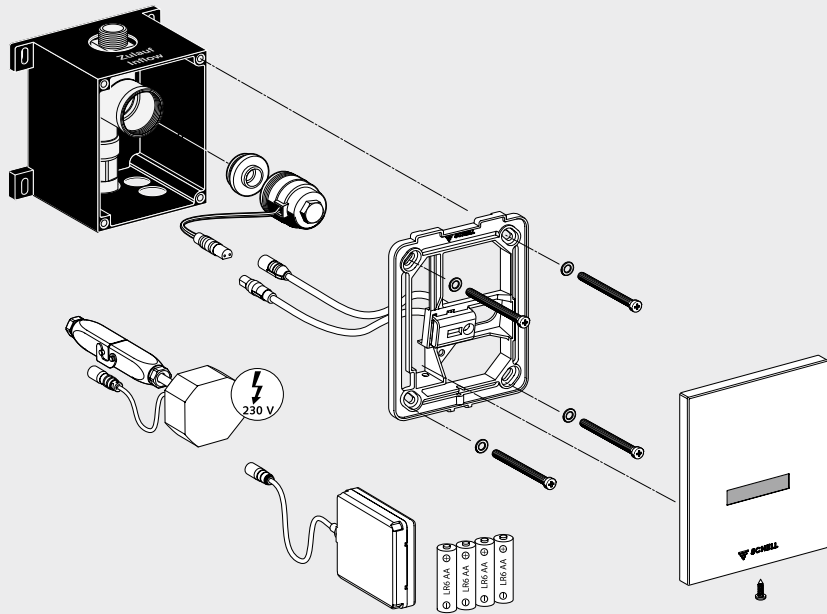
### ▪ Exposed urinal flush valves

- |                              |           |
|------------------------------|-----------|
| - SCHELLTRONIC / SCHELLMATIC | 480 - 481 |
| - SCHELLOMAT EDITION / BASIC | 482 - 483 |



Spare parts  
urinal flush valves

Model from 2016



Product description

Article  
number

**Cartridge valve 6 V with integrated pre-filter**

Model with circular connection

PU 1, W: 0,04 kg/Piece

01 442 00 99

**Electronic module urinal EDITION E**

for fittings from 2016

PU 1, W: 0,03 kg/Piece

26 003 00 99

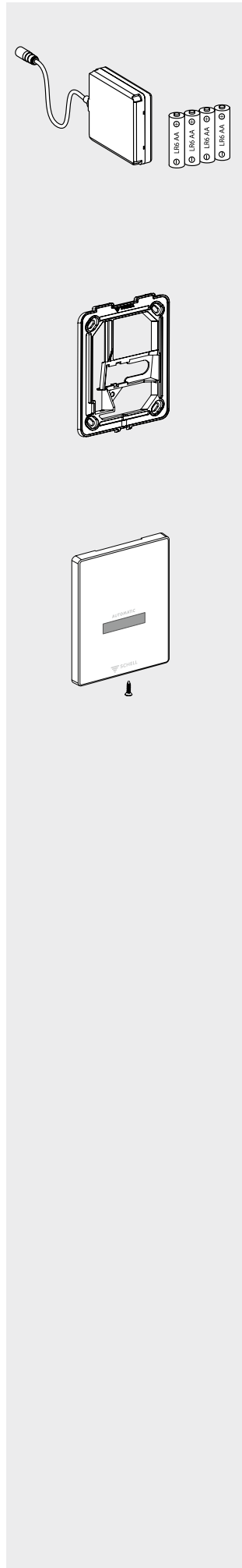
**Concealed transformer EDITION E**

Model with mains plug 230 V, 50 Hz,  
Protection class IP 54

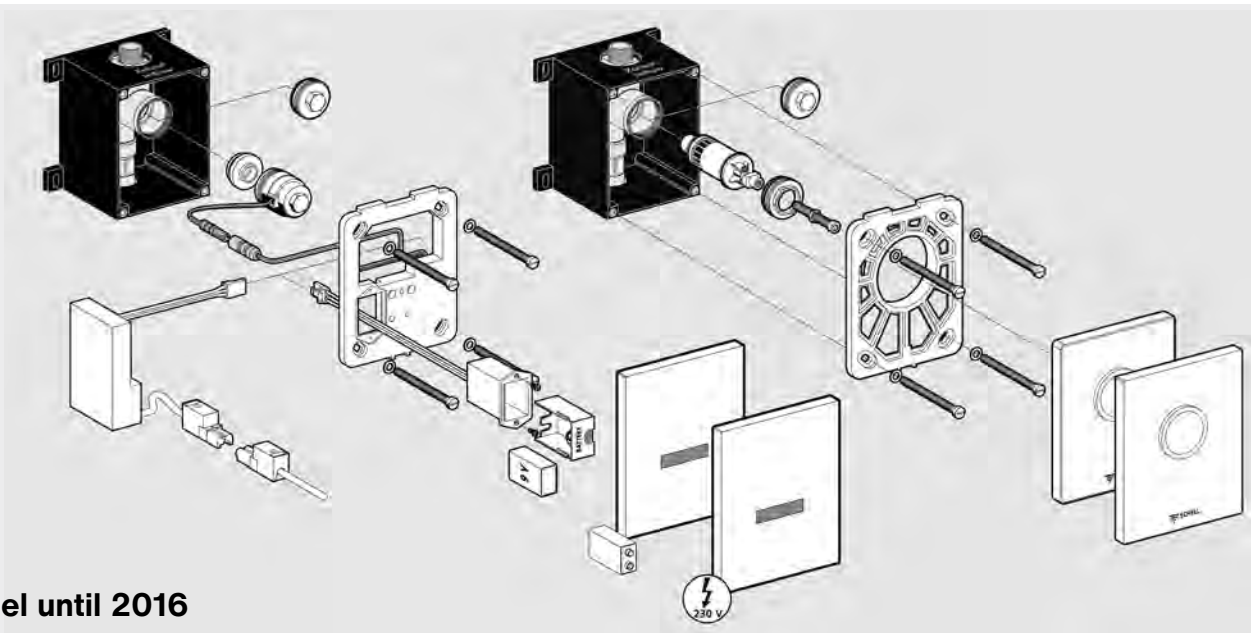
PU 1, W: 0,17 kg/Piece

00 904 00 99

| Product description  | Article number   |
|--|--|
| <p><b>Universal battery compartment 6 V</b><br/>for electronic fittings</p> <p><b>Comprises:</b></p> <ul style="list-style-type: none"><li>• Battery compartment with plug connect three poles</li><li>• Wall bracket with fastening material</li><li>• 100 mm velcro tape</li><li>• 4 alkaline batteries type AA</li></ul> <p><b>PU 1, W: 0,20 kg/Piece</b></p> | <p><b>01 557 00 99</b></p>   |
| <p><b>Mounting frame EDITION E</b><br/>for fittings from 2016<br/>incl. fastening material</p> <p><b>PU 1, W: 0,15 kg/Piece</b></p>  | <p><b>77 700 00 99</b></p>   |
| <p><b>Urinal front panel EDITION E</b><br/>chrome, PU 1, W: 0,28 kg/Piece<br/>alpinwhite, PU 1, W: 0,28 kg/Piece<br/>stainless steel, PU 1, W: 0,22 kg/Piece</p>   | <p><b>23 077 06 99</b><br/><b>23 077 15 99</b><br/><b>23 079 28 99</b></p> |



Spare parts  
urinal flush valves



Model until 2016



Product description

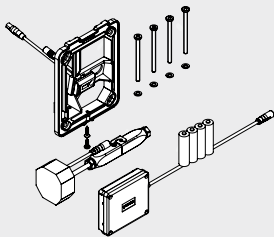
Article  
number

**Cartridge valve 6 V with integrated pre-filter**

Model with circular connection

PU 1, W: 0,04 kg/Piece

01 442 00 99



**Conversion kit EDITION E**

Mains operation, PU 1, W: 0,44 kg/Piece

Battery operation, PU 1, W: 0,45 kg/Piece

01 019 00 99

01 020 00 99



**Urinal front panel EDITION E**

chrome, PU 1, W: 0,28 kg/Piece

alpinwhite, PU 1, W: 0,28 kg/Piece

stainless steel, PU 1, W: 0,22 kg/Piece

23 077 06 99

23 077 15 99

23 079 28 99

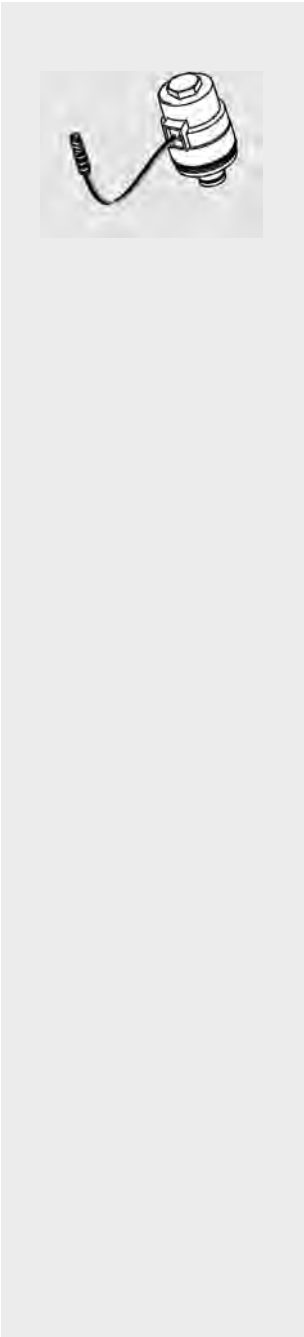
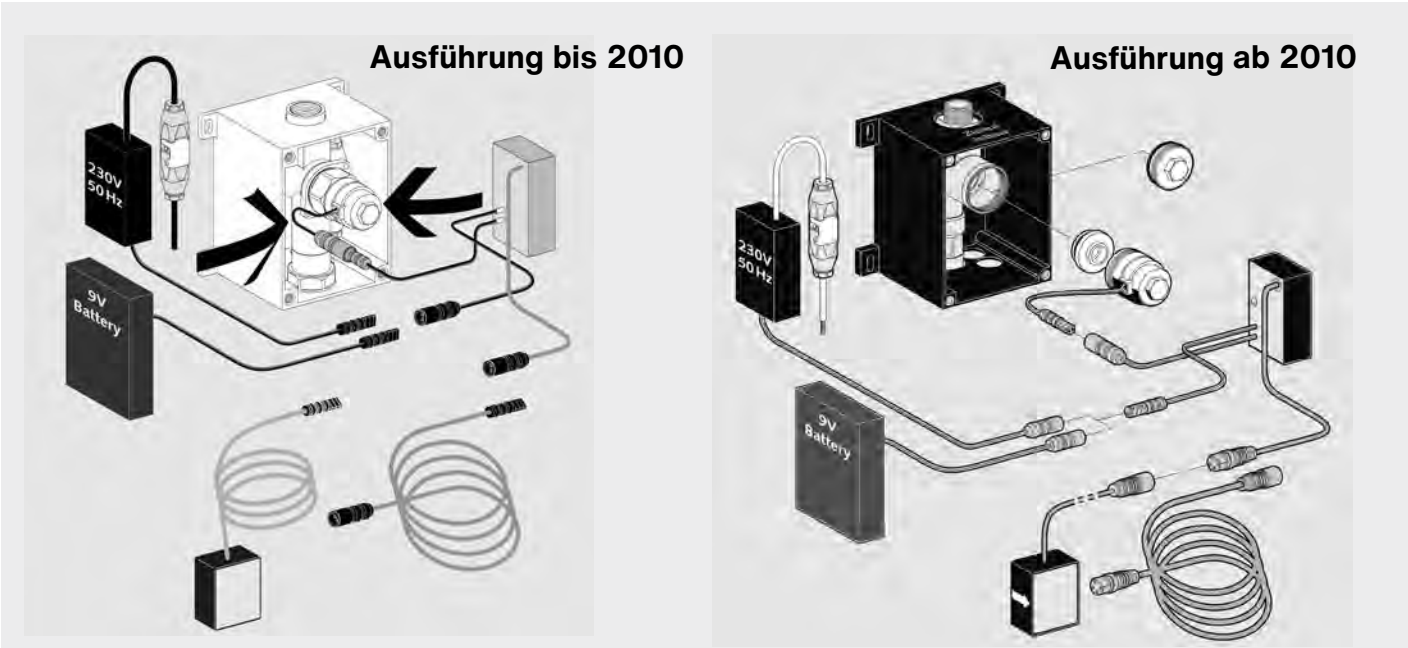


**Urinal cartridge EDITION**

mechanical model

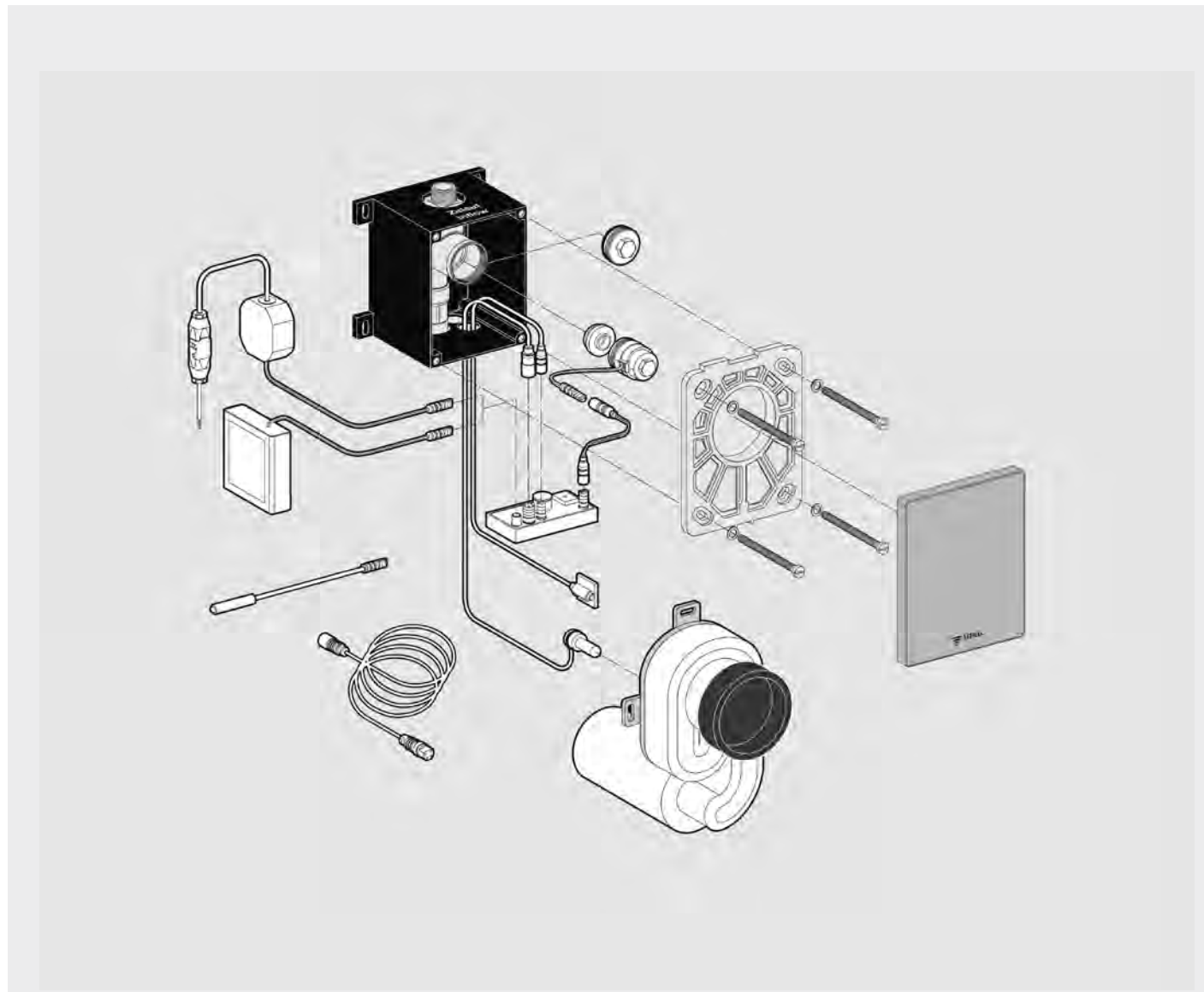
PU 1, W: 0,09 kg/Piece

29 628 00 99



| Product description  | Article number      |
|--|---------------------|
| <p>Excerpt from product group 29</p> <p><b>Cartridge valve 6 V with integrated pre-filter</b></p> <p>For SCHELLTRONIC / SCHELLMATIC / COMPACT HF / RETROFIT HF / EDITION E MANUAL / COMPACT EDITION E / COMPACT LC / RETROFIT LC / LINUS D-E-T / LINUS D-E-T ECO / LINUS D-E-V / LINUS D-E-V ECO / LINUS D-P-T / LINUS BASIC D-P-T / LINUS D-C-T / LINUS BASIC D-C-T / LINUS D-C-M / LINUS BASIC D-C-M / Duschpaneel DP-P-T, DP-C-T, DP-C-T-H, DP-C-T-D-H / VITUS VW-C-T / VITUS VD-C-T</p> <p>Model with circular connection</p> <p><b>PU 1, W: 0,04 kg/Piece</b></p> |                     |
|  | <b>01 442 00 99</b> |

Spare parts  
urinal flush valves



## Product description

Article  
number

## Excerpt from product group 29

**Cartridge valve 6 V with integrated pre-filter**

For SCHELLTRONIC / SCHELLMATIC / COMPACT HF /  
RETROFIT HF / EDITION E MANUAL / COMPACT EDITION E /  
COMPACT LC / RETROFIT LC / LINUS D-E-T / LINUS D-E-T ECO /  
LINUS D-E-V / LINUS D-E-V ECO / LINUS D-P-T / LINUS BASIC D-P-T /  
LINUS D-C-T / LINUS BASIC D-C-T / LINUS D-C-M /  
LINUS BASIC D-C-M / Duschpaneel DP-P-T, DP-C-T, DP-C-T-H,  
DP-C-T-D-H / VITUS VW-C-T / VITUS VD-C-T

Model with circular connection

PU 1, W: 0,04 kg/Piece

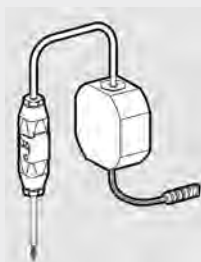
01 442 00 99

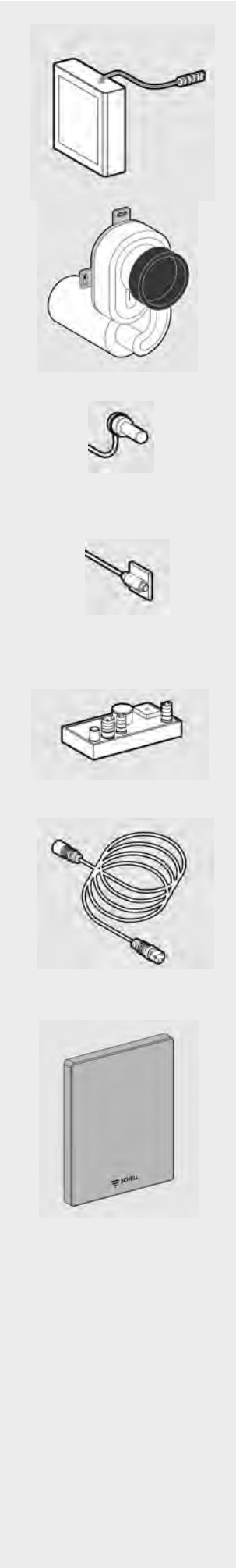
**Concealed transformer 100 - 240 V / 50 - 60 Hz / 6 V**

for COMPACT LC urinal control

PU 1, W: 0,19 kg/Piece

01 530 00 99



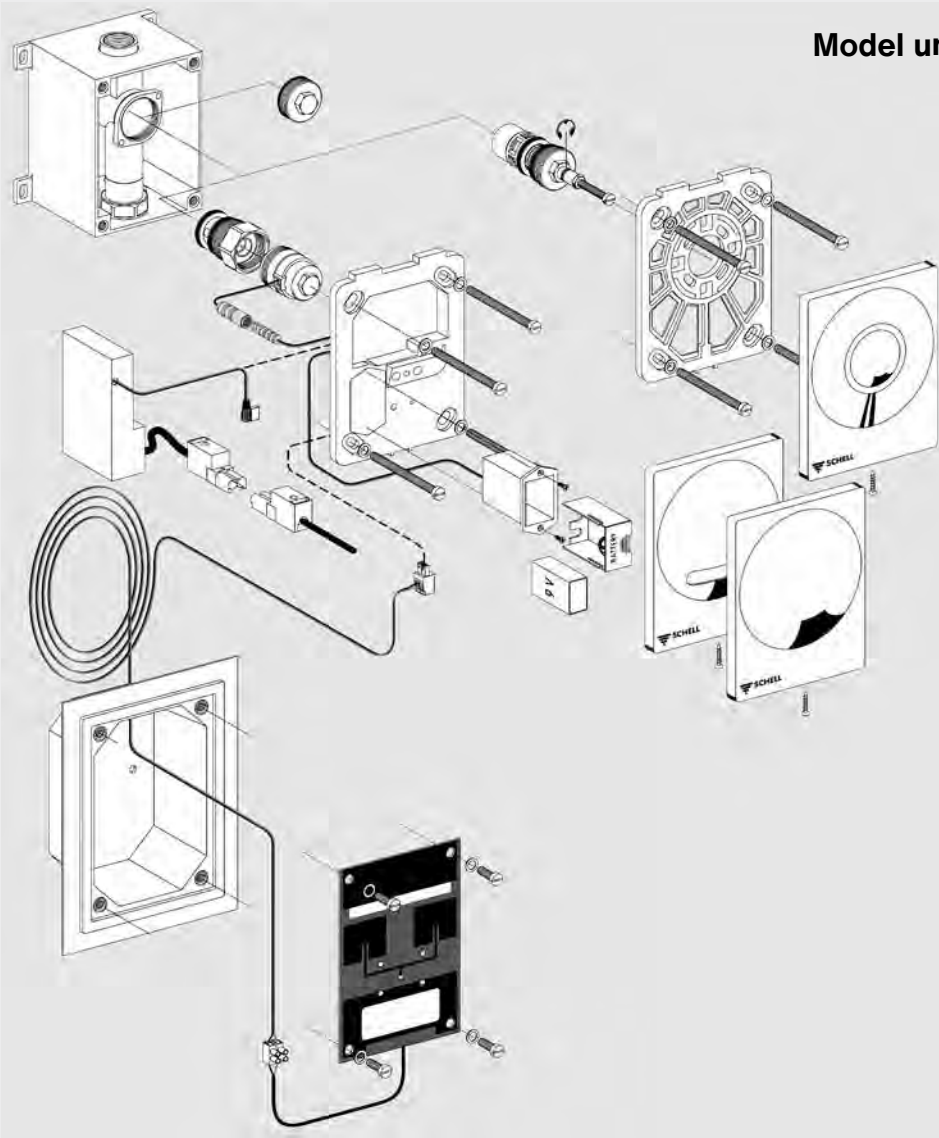


| Product description  | Article number |
|--|----------------|
| <b>Battery compartment Urinal COMPACT LC</b><br>PU 1, W: 0,17 kg/Piece   | 01 526 00 99   |
| <b>Urinal siphon COMPACT LC with LC-Sensor</b><br>PU 1, W: 0,27 kg/Piece   | 01 528 00 99   |
| <b>Urinal sensor COMPACT LC</b><br>PU 1, W: 0,03 kg/Piece  | 01 527 00 99   |
| <b>Excerpt from product group 22</b><br><b>Reed contact COMPACT LC</b><br>with solenoid key<br>PU 1, W: 0,03 kg/Piece  | 01 529 00 99   |
| <b>Urinal electronic moudle COMPACT LC</b><br>PU 1, W: 0,09 kg/Piece   | 01 525 00 99   |
| <b>Excerpt from product group 22</b><br><b>Sensor cable COMPACT LC</b><br>cable length 2,5 m<br>PU 1, W: 0,05 kg/Piece   | 01 524 00 99   |
| <b>Excerpt from product group 22</b><br><b>Urinal front panel EDITION HF/LC</b><br>for urinal roughing-in set COMPACT II,<br>if accessibility to the water path and electronic is required<br>stainless steel, PU 1, W:0,33 kg/Piece | 23 080 28 99   |

Spare parts  
urinal flush valves



Model until 2010



Product description

Article  
number

Excerpt from product group 29

**Cartridge valve 6 V with integrated pre-filter**

For SCHELLTRONIC / SCHELLMATIC / COMPACT HF /  
RETROFIT HF / EDITION E MANUAL / COMPACT EDITION E /  
COMPACT LC / RETROFIT LC / LINUS D-E-T / LINUS D-E-T ECO /  
LINUS D-E-V / LINUS D-E-V ECO / LINUS D-P-T / LINUS BASIC D-P-T /  
LINUS D-C-T / LINUS BASIC D-C-T / LINUS D-C-M /  
LINUS BASIC D-C-M / Duschpaneel DP-P-T, DP-C-T, DP-C-T-H,  
DP-C-T-D-H / VITUS VW-C-T / VITUS VD-C-T

Model with circular connection

PU 1, W: 0,04 kg/Piece

01 442 00 99

**Cartridge**

for VERONA concealed urinal flush valve  
(spare part)  
complete with flush volume adjustment

**Material:** brass

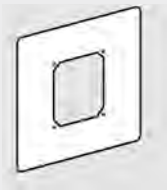
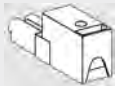
PU 1, W: 0,17 kg/Piece

29 416 00 99

Version DZR, PU 1

29 448 00 99

| Product description  | Article number |
|--|----------------|
| <b>Mains plug</b><br>PU 1, W: 0,01 kg/Piece  | 01 319 00 99   |
| <b>Universal front plate</b><br>conversion INFRA/COMPACT<br>stainless steel, PU 1, W: 0,75 kg/Piece                                    | 76 594 28 99   |
| <b>Supporting housing for cartridge valve</b><br><u>L = 55 mm</u><br>Dimension: DN 20 G 3/4 external thread,<br>PU 1, W: 0,02 kg/Piece | 01 458 00 99   |
| <u>L = 68 mm</u><br>Dimension: DN 20 G 3/4 external thread,<br>PU 1, W: 0,02 kg/Piece  | 01 504 00 99   |



Until 2016



Product description

Article  
number

**Flushing unit hood**

with window, O-ring and mounting screw  
(SCHELLTRONIC / SCHELLMATIC)

Model from 04/2003 until 08/2016

chrome, PU 1, W: 0,22 kg/Piece

01 456 06 99

**Electronic spare part set**

for conversion to SCHELL electronic

**Comprises:**

- Flushing unit hood 26 002 06 99
- Battery module incl. 4 x alkaline batteries AAA 01 597 00 99
- Holder for electronic incl. mounting screws 77 698 00 99
- Electronic module incl. fastening clips 26 003 00 99

PU 1

01 021 06 99

Excerpt from product group 29

**Cartridge valve 6 V with integrated pre-filter**

For SCHELLTRONIC / SCHELLMATIC / COMPACT HF /  
RETROFIT HF / EDITION E MANUAL / COMPACT EDITION E /  
COMPACT LC / RETROFIT LC / LINUS D-E-T / LINUS D-E-T ECO /  
LINUS D-E-V / LINUS D-E-V ECO / LINUS D-P-T / LINUS BASIC D-P-T /  
LINUS D-C-T / LINUS BASIC D-C-T / LINUS D-C-M /  
LINUS BASIC D-C-M / Duschpaneel DP-P-T, DP-C-T, DP-C-T-H,  
DP-C-T-D-H / VITUS VW-C-T / VITUS VD-C-T

Model with circular connection

PU 1, W: 0,04 kg/Piece

01 442 00 99

**O-ring for flushing unit hood**

(SCHELLTRONIC / SCHELLMATIC)

PU 1, W: 0,001 kg/Piece

66 083 00 99

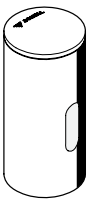
**Mounting screw for flushing unit hood**

(SCHELLTRONIC / SCHELLMATIC)

PU 1, W: 0,003 kg/Piece

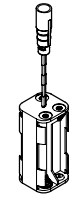
72 847 00 99

**From 2016**



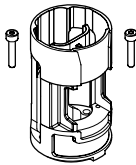
**Flushing unit hood**  
with window, O-ring and mounting screw  
**Model from 2015**  
chrome, PU 1

**26 002 06 99**



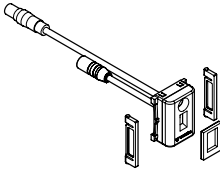
**Battery module**  
incl. 4 x alkaline batteries AAA  
**Model from 2015**  
PU 1

**01 597 00 99**



**Halter für Elektronik**  
mit Befestigungsschrauben  
**Ausführung ab 2015**  
PU 1, W: 0,08 kg/Piece

**77 698 00 99**



**Holder for the electronic**  
with mounting screws  
**Model from 2015**  
PU 1, W: 0,08 kg/Piece

**26 003 00 99**



**Excerpt from product group 29**  
**Cartridge valve 6 V with integrated pre-filter**  
For SCHELLTRONIC / SCHELLMATIC / COMPACT HF / RETROFIT HF / EDITION E MANUAL / COMPACT EDITION E / COMPACT LC / RETROFIT LC / LINUS D-E-T / LINUS D-E-T ECO / LINUS D-E-V / LINUS D-E-V ECO / LINUS D-P-T / LINUS BASIC D-P-T / LINUS D-C-T / LINUS BASIC D-C-T / LINUS D-C-M / LINUS BASIC D-C-M / Duschpaneel DP-P-T, DP-C-T, DP-C-T-H, DP-C-T-D-H / VITUS VW-C-T / VITUS VD-C-T  
Model with circular connection  
PU 1, W: 0,04 kg/Piece

**01 442 00 99**



**O-ring for flushing unit hood**  
PU 1, W: 0,001 kg/Piece

**66 083 00 99**



**Flush pipe 18 x 200 mm**  
chrome, PU 1, W: 0,07 kg/Piece

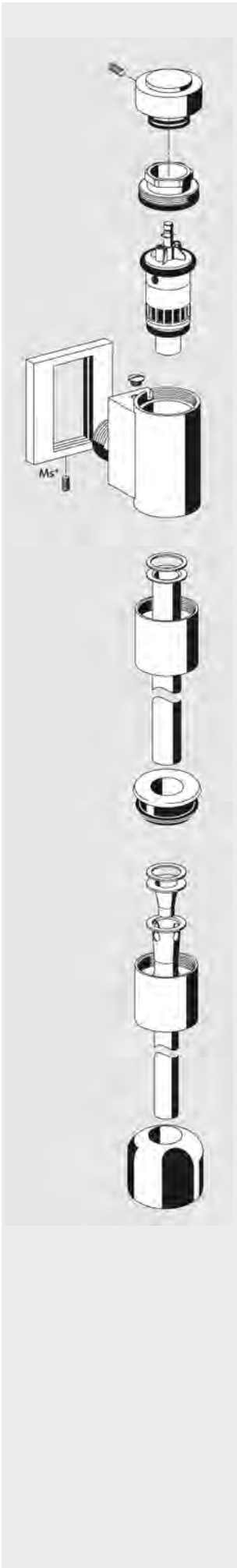
**23 768 06 99**



**Urinal internal connector**  
for flush pipe Ø 15 mm and Ø 18 mm  
chrome, PU 1, W: 0,02 kg/Piece

**29 317 06 99**

Spare parts  
urinal flush valves



**Cartridge, complete**  
PU 1, W: 0,08 kg/Piece

Article  
number

29 492 00 99



**Flush pipe union**  
chrome, PU 1, W: 0,15 kg/Piece

75 621 06 99



**Flush pipe 18 x 200 mm**  
chrome, PU 1, W: 0,07 kg/Piece

23 768 06 99



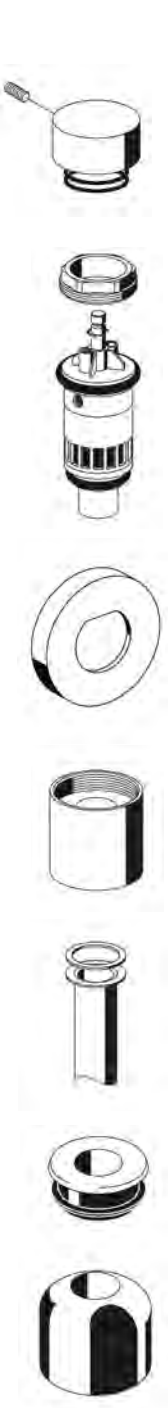
**Urinal internal connector**  
for flush pipe Ø 15 mm and Ø 18 mm  
chrome, PU 1, W: 0,02 kg/Piece

29 317 06 99



**Excerpt from product group 23**  
**Urinal external connector**  
for flush pipe Ø 15 mm and Ø 18 mm  
chrome, PU 1, W: 0,04 kg/Piece

27 820 06 99



| Product description  | Article number |
|--|----------------|
| <b>Push button</b><br>with pressure spring<br>chrome, PU 1, W: 0,08 kg/Piece   | 23 050 06 99   |
| <b>Cartridge, complete</b><br>PU 1, W: 0,06 kg/Piece   | 29 493 00 99   |
| <b>Wall cover plate</b><br>chrome, PU 1, W: 0,02 kg/Piece  | 62 507 06 99   |
| <b>Flush pipe union</b><br>chrome, PU 1, W: 0,07 kg/Piece  | 75 622 06 99   |
| <b>Flush pipe 18 x 200 mm</b><br>chrome, PU 1, W: 0,07 kg/Piece  | 23 768 06 99   |
| <b>Urinal internal connector</b><br>for flush pipe Ø 15 mm and Ø 18 mm.<br>chrome, PU 1, W: 0,02 kg/Piece  | 29 317 06 99   |
| <b>Excerpt from product group 23</b><br><b>Urinal external connector</b><br>for flush pipe Ø 15 mm and Ø 18 mm<br>chrome, PU 1, W: 0,04 kg/Piece | 27 820 06 99   |

Spare parts  
urinal flush valves

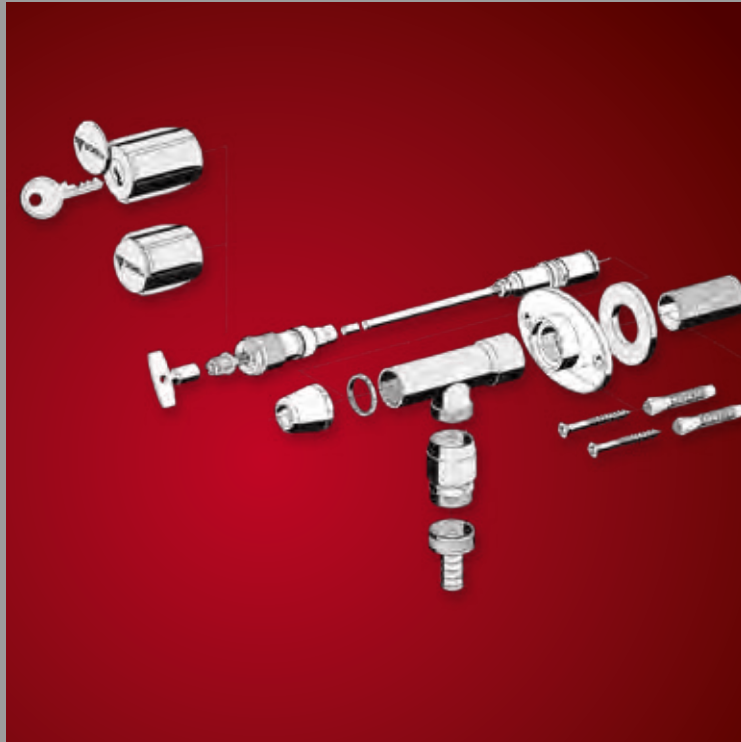


## Spare parts

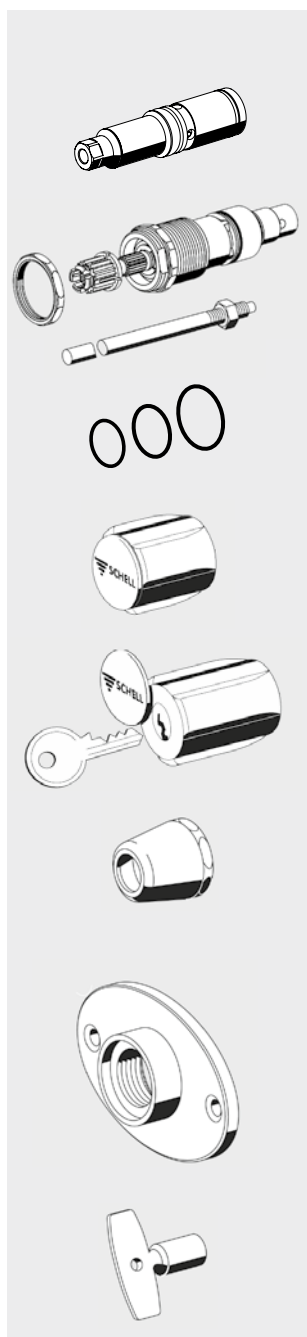
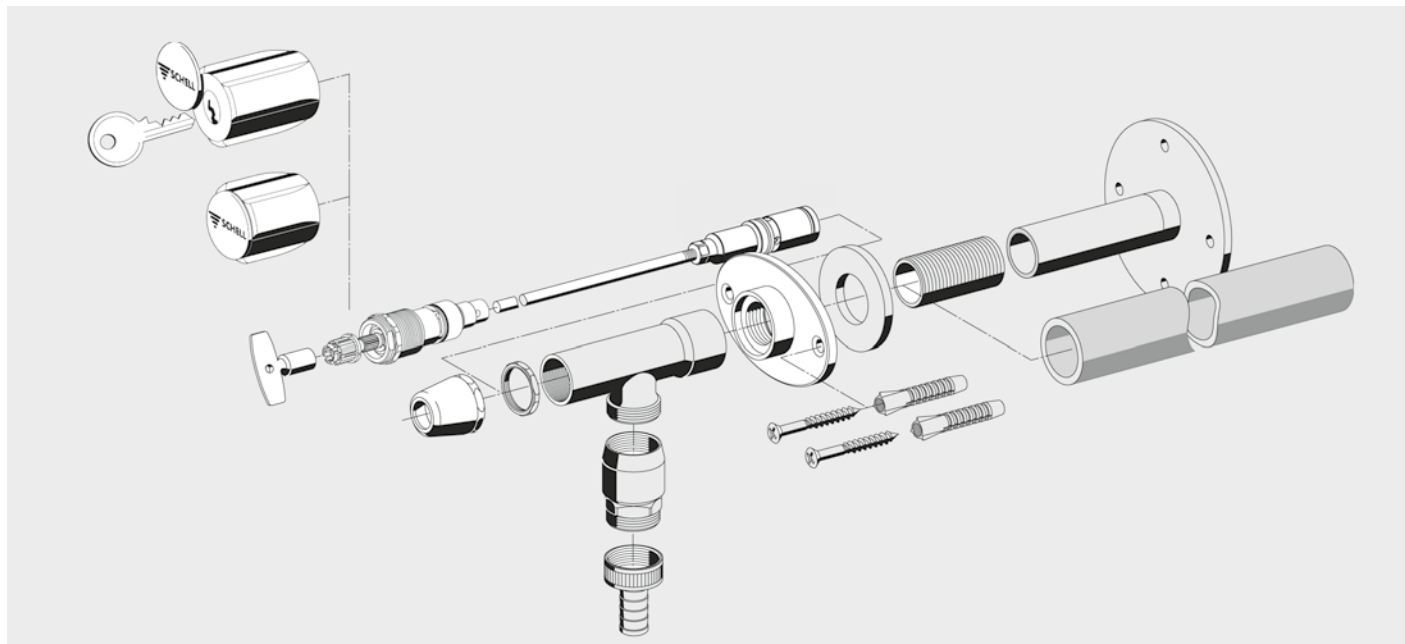
### ▪ Frost resistant outdoor taps

- POLAR II Set 486
- POLAR II 487
- POLAR Set / POLAR 488

### ▪ Concealed valves 489







## Product description

Article  
number**Sealing device for POLAR II and POLAR II Set**

PU 1, W: 0,07 kg/Piece

**22 234 00 99****Head part POLAR II Set**

incl. spindle 488 mm length, with shortening facility

PU 1, W: 0,20 kg/Piece

**22 235 00 99****Sealing elements kit POLAR II**

incl. O-ring 13 x 1,5, 15 x 1,5, und 18 x 1,5

PU 1

**25 896 00 99****COMFORT handle**

incl. snap-in socket

chrome, PU 1, W: 0,02 kg/Piece

**47 996 06 99****COMFORT handle SECUR**

lockable, with 2 keys, incl. snap-in socket

chrome, VE 5, W: 0,10 kg/Piece

**48 006 06 99****Covering bell POLAR II Set**

matt chrome, PU 1, W: 0,05 kg/Piece

**69 946 03 99****Covering bell POLAR II Set**

for fittings from August 2012

matt chrome, PU 1, W: 0,04 kg/Piece

**69 982 03 99****Screw rosette POLAR II Set**

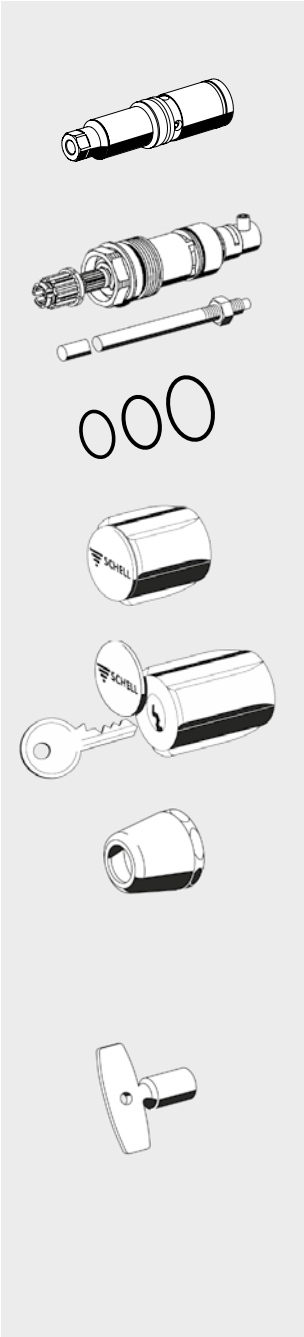
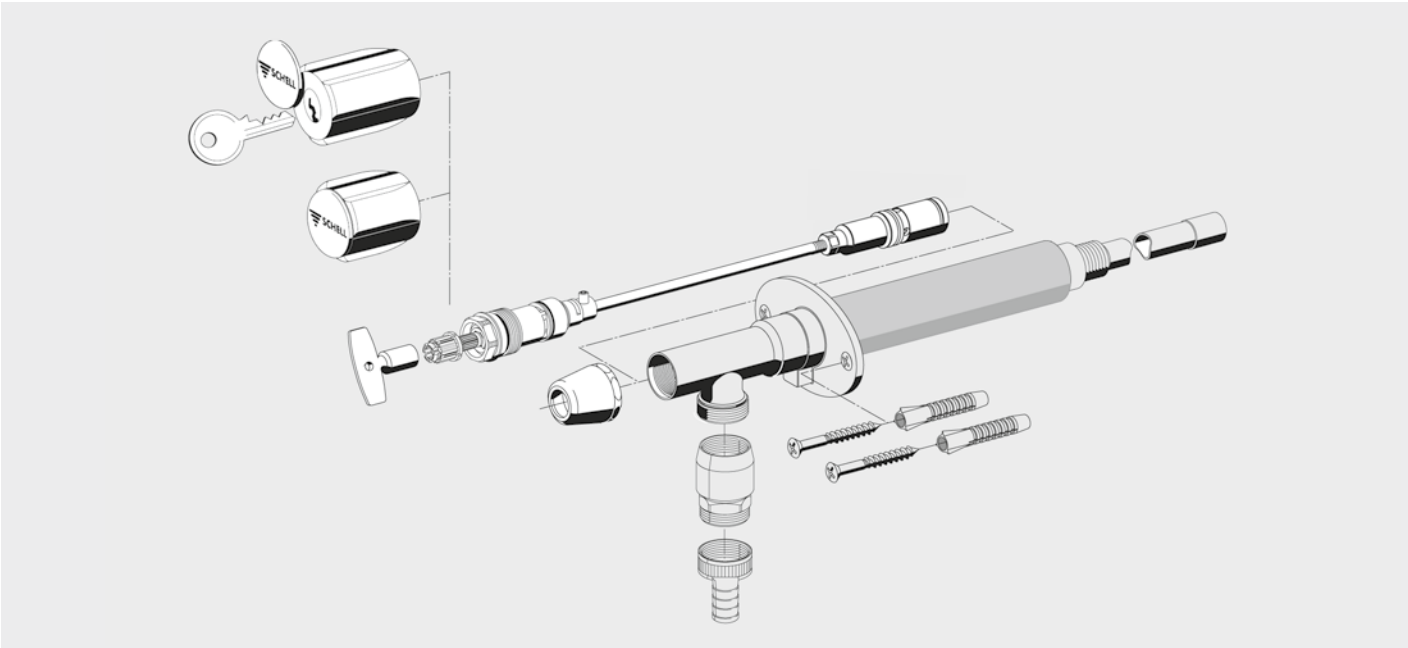
Material: brass

matt chrome, PU 1, W: 0,14 kg/Piece

**69 945 03 99****Bleed key POLAR / POLAR II**









matt chrome, PU 1, W: 0,03 kg/Piece

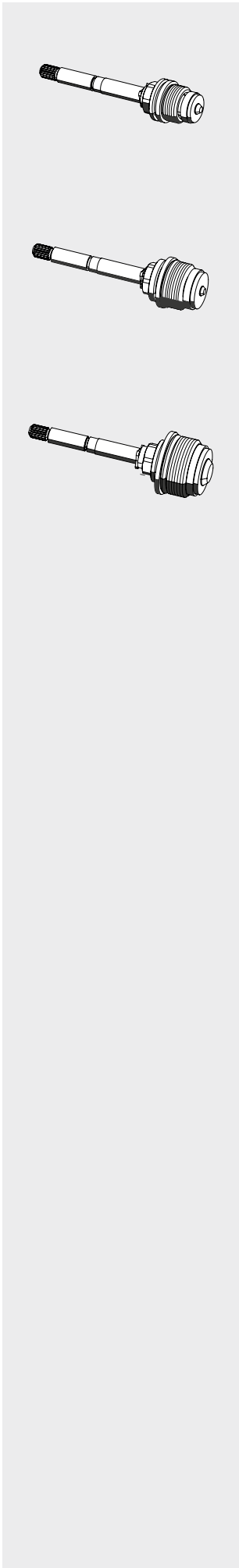
**78 230 03 99**



| Product description  | Article number |
|--|----------------|
| <b>Sealing device for POLAR II and POLAR II Set</b><br>PU 1, W: 0,07 kg/Piece                                | 22 234 00 99   |
| <b>Head part POLAR II</b><br>incl. spindII 177,5 mm length<br>PU 1, W: 0,20 kg/Piece                         | 22 236 00 99   |
| <b>Sealing elements kit POLAR II</b><br>incl. O-ring 13 x 1,5, 15 x 1,5, und 18 x 1,5<br>PU 1                | 25 896 00 99   |
| <b>COMFORT handle</b><br>incl. snap-in socket<br>chrome, PU 1, W: 0,02 kg/Piece                              | 47 996 06 99   |
| <b>COMFORT handle SECUR</b><br>lockable, with 2 keys, incl. snap-in socket<br>chrome, VE 5, W: 0,10 kg/Piece | 48 006 06 99   |
| <b>Covering bell POLAR II Set</b><br>matt chrome, PU 1, W: 0,05 kg/Piece                                     | 69 946 03 99   |
| <b>Covering bell POLAR II Set</b><br>for fittings from August 2012<br>matt chrome, PU 1, W: 0,04 kg/Piece    | 69 982 03 99   |
| <b>Bleed key POLAR / POLAR II</b><br>matt chrome, PU 1, W: 0,03 kg/Piece                                     | 78 230 03 99   |

Spare parts appliance  
connection fittings

|   | Product description  | Article number      |
|---|--|---------------------|
|    | <b>Head part and spindle complete</b><br>for SCHELL POLAR,<br>art.-no. 03 978 06 99 - 03 983 06 99<br>head part incl. socket wrench<br><b>PU 1, W: 0,21 kg/Piece</b>     | <b>22 145 00 99</b> |
|    | <b>Head part and spindle complete</b><br>for SCHELL POLAR Set,<br>art.-no. 03 985 06 99 - 03 990 06 99<br>head part incl. socket wrench<br><b>PU 1, W: 0,32 kg/Piece</b> | <b>22 146 00 99</b> |
|    | <b>Anti-vacuum device version C</b><br>for SCHELL POLAR / POLAR Set<br>DVGW registered<br><b>chrome, PU 1, W: 0,12 kg/Piece</b>  | <b>28 629 06 99</b> |
|   | <b>Anti-vacuum device fitting</b><br>for SCHELL POLAR / POLAR Set<br><b>chrome, PU 1, W: 0,01 kg/Piece</b>   | <b>28 632 06 99</b> |
|  | <b>COMFORT handle</b><br><b>incl. snap-in socket</b><br><b>chrome, PU 1, W: 0,02 kg/Piece</b>  | <b>47 996 06 99</b> |
|  | <b>Bleed key POLAR / POLAR II</b><br><b>matt chrome, PU 1, W: 0,03 kg/Piece</b>  | <b>78 230 03 99</b> |
|  | <b>Covering bell</b><br>for frost-resistant outdoor tap POLAR<br>with head part for bleed key<br><b>chrome, PU 1, W: 0,05 kg/Piece</b>                                   | <b>61 822 06 99</b> |
|  | <b>Screw rosette G 3/4 internal thread for POLAR-Set</b><br><b>Material: brass</b><br><b>chrome, PU 1, W: 0,18 kg/Piece</b>  | <b>62 521 06 99</b> |



| Product description   | Article number |
|---|----------------|
| <b>Head part DN 15</b><br>for concealed valve DN 15<br>PU 1, W: 0,10 kg/Piece | 22 237 00 99   |
| <b>Head part DN 20</b><br>for concealed valve DN 20<br>PU 1, W: 0,13 kg/Piece | 22 238 00 99   |
| <b>Head part DN 25</b><br>for concealed valve DN 25<br>PU 1, W: 0,19 kg/Piece | 22 239 00 99   |

Spare parts appliance  
connection fittings



## General product information

- **General installation conditions,  
Maintenance and care instructions** 492 - 495
- **SCHELL *inside*** 496
- **Hygiene, Saving water and energy,  
Certificates, LEED, BREEAM  
Technology, Comfort, Security,  
Sustainability** 497 - 503



## **General installation conditions, Maintenance and care instructions.**

### **From SCHELL.**

These general installation requirements do not replace the information in any supplied assembly instructions. Instead, these general installation requirements are always intended to supplement any supplied assembly instructions.

The latest version applies for any standards and technical codes, etc. cited. As a general rule, the regulatory requirements applicable in the respective regions/countries must also be observed.

SCHELL fittings are designed and manufactured according to the technical norms and regulations valid in Germany and – where generally available – in Europe and at an international level. All products are designed in order to guarantee trouble-free operation while observing recognised industry best practice, and while complying with the installation regulations and the requirements of professional planning, installation and operation, and professional servicing, maintenance, repairs and cleaning.

For important information about planning, construction and operation, see the standards in the EN 806 series, “Specifications for installations inside buildings conveying water for human consumption”, as well as national supplementary standards and codes of practice. In Germany, these include the DIN 1988 series, VDI 6023, the DVGW codes and others.

When installing electrical or electronic components, always follow the applicable national installation regulations at all times. These regulations typically define certain protected areas and distances from electrical parts to areas in contact with water if a specified voltage is exceeded. In Germany, these protected areas are set out in the DIN VDE 0100 series of standards, for example.



Water quality

### **1. Water quality (suitability)**

Schell products are suitable for use with drinking water according to the EU Drinking Water Directive and national drinking water legislation transposing the same. Products are not approved for use with water of any other quality.

All materials used that have contact with water meet the evaluation criteria and guidelines published by the German Federal Environment Agency (UBA). These are generally identical to requirements in many other EU countries (“Approval and Harmonisation – 4MS Initiative”).

In addition, all non-metallic materials used by Schell are also inspected to minimise any possibility of microbiological fouling (e.g. according to DVGW W270). Independently of the hygienic suitability of materials having contact with drinking water, EN 806 also requires the suitability of metallic materials to be verified for the respective use case according to EN 12502, “Protection of metallic materials against corrosion – Guidance on the assessment of corrosion likelihood in water distribution and storage systems”.

In certain cases, decisions may need to be taken to use only products made from brass alloys with specific properties such as “dezincification resistance”. Consult with SCHELL if there is any doubt about which materials to use.



Drinking water quality

## 2. Maintaining drinking water quality

The planning, construction, operation and maintenance of all parts of a drinking water system will influence water quality at tapping points. Some of these issues are listed as examples below:

- Dimensioning drinking water systems according to demand
- Selecting products appropriate for the water quality and materials used
- Use of components whose surfaces that have contact with water are hygienically sound according to VDI 6023 – e.g. use of a dry functional test. All SCHELL products have now been tested dry for many years, i.e. without having any contact with water.
- Installation of safety fittings according to DIN EN 1717, DIN 1988-100 and EN 806
- Operation in accordance with the intended use, with regular and full water changes at all tapping points according to VDI 6023, and according to EN 806-5 in cases where VDI 6023 is out of scope
- Manual or automated flushing of the system in the event of interruptions in use. In this case, all tapping points are to be organised into flushing groups, to ensure a sufficiently high flow speed of at least 1.0 to 2.0 m/sec throughout all parts of the installation. (see EN 806, DIN 1988-300, VDI 6023).
- Maintaining hot and cold (PWC and PWH) water temperatures according to EN806, DIN 1988, DVGW W 551 and others.



Commissioning

## 3. Commissioning

Before commissioning any SCHELL product, make sure that all pipes are flushed through and that there are no particles of dirt present that could prevent the fittings working properly (see EN 806-4). All points of connection up to the tapping points must be tested for proper tightness and strength according to the relevant code. This applies to setup, renovation and expansion work of any kind as conducted on a drinking water system. When handing over commissioned SCHELL products to the system owner for production use, the latter must be instructed about product functions and necessary maintenance requirements (EN 806-5). This instruction must be documented (EN 806, VDI 6023). All product documentation must be handed over. Schell also recommends providing the system owner on handover with a written reminder about the latter's duties to perform regular and full water changes at all tapping points.

## 4. General installation instructions

The various levels of warning notices in the assembly instructions and manufacturer information must be observed. Where necessary, thermostatic regulators must be used to protect against scald injuries (e.g. EN 806-2). In many countries, all work on drinking water systems must be performed by installation companies who have been entered in an official directory of installers maintained by a water utility. In other countries, all work must be performed by suitably qualified personnel. Observe national regulations at all times.

For all work on fittings, the right tools (spanner, screwdriver, Allen key, etc.) must be used in order to avoid damaging the surfaces of the fittings.



Installation instructions



Always ensure that excessive force is never applied to any components during installation (follow the industry code of good practice). Many Schell appliance connection fittings and angle valves are supplied with the especially hygienic ASAG and ASAG Easy Ring. This sealing material is made from microbiologically inert Teflon (PTFE) and is therefore far more hygienic than other sealing materials like hemp. These components are self-sealing when installed according to the assembly instructions. Additional sealing materials must not be installed.

If components are installed without this seal, approved sealing materials can be used. When applying sealing materials, ensure that no excessive force is applied to connection points. Fittings must be tightened using the spanner flats provided. Any stresses present in the piping system must not be transferred to fittings.

The reader is reminded that SCHELL fittings may use materials containing silicone and lubricants. Fittings are therefore not approved for use in paint shops.



Maintenance instructions

## 5. Maintenance instructions

Maintenance instructions apply as given in relevant standards such as EN 806-5 and manufacturer specifications. As with other mechanical parts, fittings and their components are subject to natural wear and tear. Drinking water systems, including all fittings and components installed and used (flow regulators, backflow preventers, anti-vacuum devices, etc.) must be inspected and maintained in accordance with EN 806-5. This applies in particular to installations with more stringent requirements for reliability in terms of hygienic requirements (e.g. hospitals) or which experience higher levels of use (public facilities).

Safety devices (backflow preventers, anti-vacuum devices, etc.) must be inspected with especial care and attention, and must be subjected to functional testing according to EN 806-5 (as a minimum) at the stated intervals and replaced if necessary.

To prevent biofilms and sediment deposits on filters and flow regulators, these must be cleaned at regular intervals and replaced as necessary.



Care instructions

## 6. Care instructions

The cleaning agents and methods used must always be appropriate for the components and fittings to be cleaned. Specialised cleaning agents should be selected and used wherever possible.

The cleaning agent must have a chemically neutral pH (pH 7) or its pH must be no more than 2 pH levels away from this value. Tools that are abrasive or can cause scratches – such as sandpaper, microfibre cloths, steel wool or wire brushes – damage surfaces (such as sensor windows, chrome finishes, etc.) and must not be used.

If cleaning agents have been applied, these must be rinsed off the fittings with a weak and soft jet of water, and then dried off with a soft, non-scratching cloth.

Do not use steam cleaners (spraying/misting devices) of any make or model to clean fittings.

Chrome-finished or plastic surfaces and brass parts must be treated or cleaned only with mild cleaning agents. Special cleaning agents are also available for anodised aluminium surfaces.

As a general rule, never use cleaning agents on anodised aluminium surfaces that could chemically attack the anodised coating. These coatings can be damaged by fluorides, chlorides and sulphates, for example. In case of doubt, always consult with the manufacturer of the cleaning agent.



External influences

### 7. Protection against external influences

Fitting surfaces must be protected from exposure to aggressive environmental influences (such as a chlorine-rich atmosphere). External atmospheric influences – such as in coastal areas, in salt baths or outdoor installations – can damage the surface finish on components: apart from looking unappealing, this can also prevent the component from working properly or at all.



Environmental protection

### 8. Environmental protection

SHELL does not use any materials that would negatively affect the quality of drinking water. All production processes are designed to conserve resources. Brass is also a material that is easily recyclable. Used packaging materials and old products or components should be sorted and disposed of properly for recycling or reuse. Observe relevant national regulations. Batteries and electronic parts are special waste. At the end of their service life, they must be disposed of at the public collection points provided or returned to where purchased (German Electrical and Electronic Equipment Act, ElectroG).

SHELL fittings are suitable for optimised operational models designed to save water. Hygiene requirements for drinking water must always take precedence, however.



Standards and regulations

### 9. Standards and regulations

In all circumstances, the standards and regulations applicable for installation must be observed, and recognised industry best practice must be followed. Technical requirements for connections made to local electricity and water utilities must be complied with at all times. For electronically controlled fittings, safe zones (for extra-low voltage, ELV) must be observed.

Make sure that external power sources and magnetic fields cannot interfere with the proper function of the electronic controls. For electronic components, the “General Electrical Installation Requirements. By Schell” also apply ([www.schell.eu](http://www.schell.eu)). Comply with all SHELL assembly and operating instructions. Observe all warning notices.

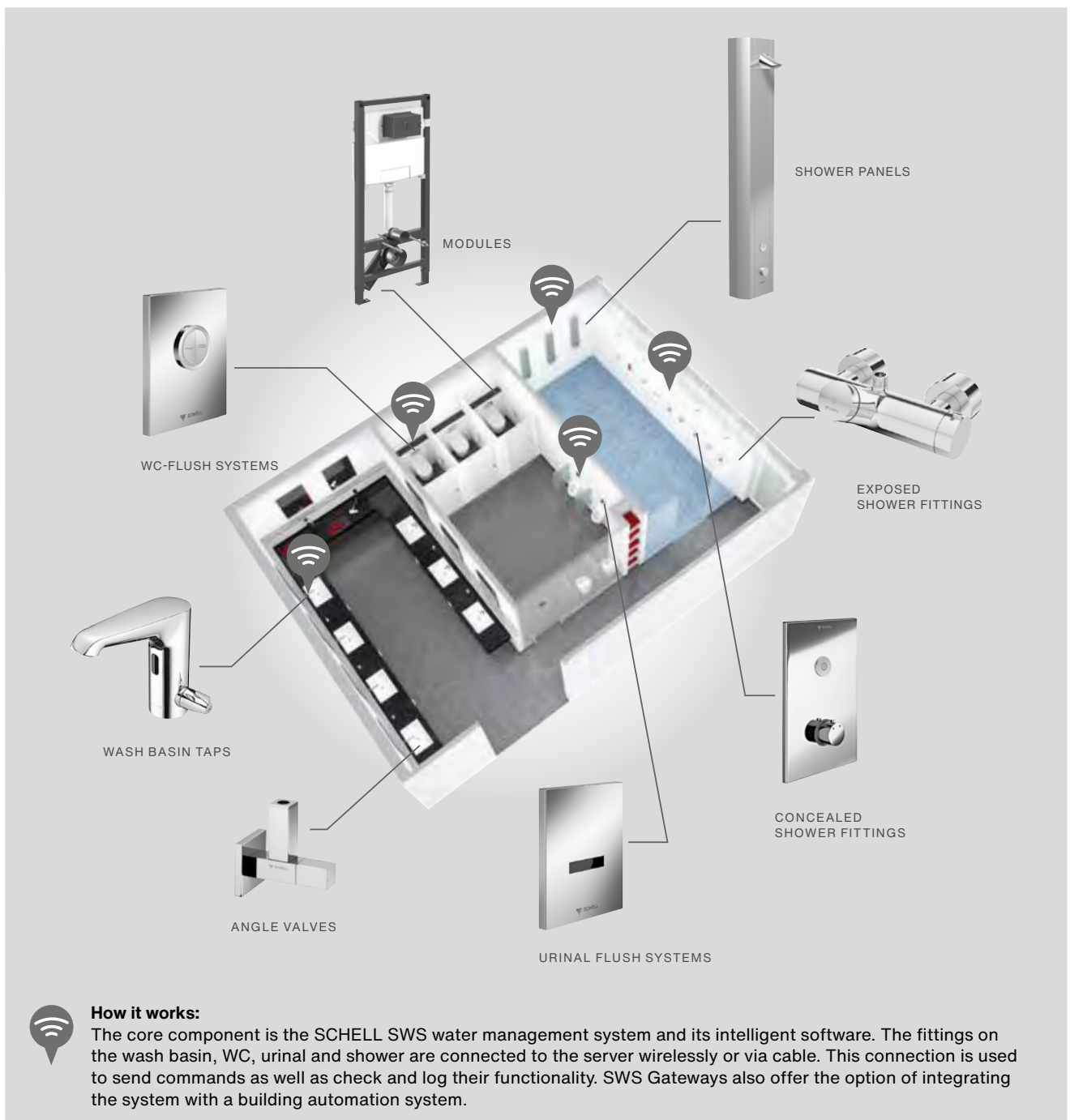


Anti-scalding protection

### 10. General operating instructions

Fittings and systems must be planned, installed, operated and maintained in such a way that does not endanger persons (e.g. risk of scalding by hot water) or other devices, etc. in the vicinity of these fittings and systems.

As at: November 2023



## SCHELL *inside*. System solutions from the expert.

SCHELL should be where robust, hygienic and resource-saving solutions are in demand: in public, semi-public and commercial sanitary rooms where high usage is present.

Whether in schools, hotels, stadiums or service areas and maybe also in your project soon.

# SCHELL. Responsibility for health.

## Drinking water – a perishable resource

Drinking water is not only quite literally drunk to quench our thirst but, among many other applications, is also used primarily for personal hygiene, to prepare food and as a transport medium – as in flushing toilets, for example. In the first two cases, the water must be of an especially high quality. Water indeed has this quality when delivered to the building from the utility. However, if the drinking water is ‘stored’ for extended periods in the building and thereby exposed to unfavourable temperatures, its quality may deteriorate and it may become ‘spoiled’ – even though this is undetectable without the appropriate equipment.

## Technical measures for maintaining water quality

Two basic approaches have proven successful in maintaining water quality: keeping water at the right ‘cold’ and ‘hot’ temperatures, and ensuring it is regularly exchanged. Cold water must stay below 25 °C, while hot water in large installations with a circulation system must not fall below 55 °C (in Germany; 60 °C in the Netherlands, for example). In the first case, the problem is solved by the fact that the utility itself supplies cold drinking water of a high quality. In the second case, water is heated in the heating system. These temperatures in the drinking water installation are therefore achieved by regular water exchange, whether from normal usage or via the circulation system. In practice, however, it is the tapping fittings that are exclusively tasked with ensuring the ‘replenishment’ of fresh, high-quality hot and cold water at each and every tapping point – as required by VDI 6023.

## Article by SCHELL about using the ‘hygiene triangle’ to maintain drinking water quality

SCHELL focuses on three key hygienic aspects when developing new products.

Internal hygiene: Using materials that are particularly suited for contact with drinking water when consumed as a foodstuff. This also means ensuring that all organic materials that are used pass testing for minimal microbiological fouling (DVGW W 270). All parts are also tested dry, so they can be delivered to the customer in a perfectly hygienic condition.



External hygiene: SCHELL products feature rugged, easy-to-clean surfaces.



Technical hygiene: Almost all electronic SCHELL products are provided with functionality for autonomously detecting an interruption in specified normal operation, which they can then compensate for with a forced flush. This ensures siphons/traps are regularly refilled while also helping to maintain an optimum level of hygiene for drinking water. By observing these three key pillars for hygiene, SCHELL makes an active contribution

to maintaining drinking water quality and therefore to personal hygiene.

## Focus on hand hygiene

Hand hygiene in particular plays an important role in safeguarding public health standards, since up to 80 percent of diseases are transmitted via the hands in shared-use facilities. Keeping hands clean is therefore a key part of maintaining hand hygiene and utilities must therefore provide us with drinking water of a high quality. Once we have washed our hands, however, we often dirty them again immediately by touching the lever on the single-lever mixer that we and users before us have of course touched with our hands before they were clean. This is where contact-free fittings work to keep our hands permanently clean – significantly improving the level of protection against infection in public spaces both for ourselves and others.

## A small part with a big effect

One particularly troublesome bacterium here is *Pseudomonas aeruginosa*. During quality and functional testing work, SCHELL is therefore careful to ensure that no water is applied to the surfaces of products that will later have direct contact with water (see VDI 6023 standard).

## Technical requirements for maintaining drinking water quality

In a number of cases with more stringent hygiene requirements, ring and serial mains have quite rightly now become the norm. Even where tapping points are rarely used, these systems ensure water exchange in pipes right up to the wall disc as long as a regularly used tapping point is located somewhere in the ring

or at the end of the serial mains.

**T-piece installations are now standard industry practice.** When supplying water to regularly used tapping points or those equipped with electronic fittings, T-piece installations are recommended both in terms of cost and hygiene: they offer a compact form factor, have a low water volume and do not need expensive double wall discs. Since VDI 6023 rules that a water exchange must occur at all tapping points anyway for hygienic reasons, these are now once again the system of choice. Flushing points at the end of a pipe alone are not adequate for maintaining drinking water quality (VDI 6023).

#### **Regular use of the installation is a must**

Over 15 years ago, studies conducted by Professor Trautmann at the University of Stuttgart had already shown that bacteria were capable of entering an installation through rarely used tapping points against the direction of flow. To achieve this, the microorganisms make use of a specific swimming technique termed 'tumbling', which is a very slow process that can be counteracted with regular flushing (VDI 6023). As a result, we can see that, although ring and serial mains are proven techniques for maintaining the water quality in the piping, they cannot maintain this level of quality right up to the tapping point on their own. While ring and serial mains ensure that 'fresh water' is rapidly available at a tapping fitting from the utility mains, these tapping points must be regularly used and equipped with T-piece installations that have a low water volume. This typically means that the water exchange needed to maintain hygiene will be achieved during normal use.

#### **Conserving drinking water while maintaining water hygiene**

Wash basin taps from SCHELL normally feature a water flow rate of 3 litres a minute (with a maximum of 5 litres a minute) and therefore meet WELL standards. Further reductions are possible in order to meet the requirements for LEED, DGNB or BREEAM. This is adequate for maintaining drinking water quality in well-planned modern installations. During the planning phase, pipe dimensions must be adjusted to these lower litre flow rates so as to ensure that water quality is unaffected. This saves water while also cutting costs. Since smaller pipe diameters are not only cheaper but also carry a smaller volume of water, an ecological building certification means less initial capital outlay as well as lower running costs when in service. In older, over-dimensioned installations with a higher risk of poor hygiene, however, steps should be taken to determine whether higher flow rates of 8 to 10 litres/minute would not be a better target. Specially designed flow regulators are available for this purpose and can be used to replace water-saving flow regulators.

#### **Modern fittings with stagnation flushing waste no water.**

Simple fittings that function like a domestic timer switch plug trigger a stagnation flush even if the tapping point is in fact being used normally. In this case, they will of course use more water than is actually necessary. However, fittings with an intelligent stagnation program, especially when integrated with a water management system, can detect when usage levels drop or water temperatures become unfavourable and then flush according to demand. This creates a useful balance between hygiene and saving water. Let's illustrate this

with an example. A bathroom provided for a hotel bedroom is used by business guests every morning and evening from Monday to Saturday. This works out as 12 uses during a 6-day period. In the following week, the room is not booked. An intelligent fitting detects this drop-off and triggers the level of use needed to maintain hygiene only every three days. Thanks to this smart system, 10 water exchanges are saved compared to a normal room booking although hygiene is still maintained.



#### **Avoiding stagnation flushes that don't make the grade**

Every drinking water installation is designed to handle the peak volume flow rate expected when in specified normal operation. If these normal operations are interrupted, the building operator must ensure stagnation flushes take place. To achieve this, multiple tapping points must be opened simultaneously to achieve the turbulent flow in the distribution pipework required by VDI 6023 Part 1. From a hygiene perspective, simply logging and totalling statistical tapping volumes, so as to then flush out the 'make-up volume' at individual fittings, is simply inadequate.

#### **More information about maintaining optimum drinking water quality**

- SMART.SWS
- SWS Water Management System
- SSC Single Control

can be found from page 10 onwards



### **Modern fittings save water and energy.**

Saving water and energy helps the environment. And saving water also means saving money, because any energy that is not used to heat hot water can then be used more appropriately elsewhere. Saving water also means cutting down on the volume of water and waste water that needs to be treated. Compared with two-handle fittings, electronic fittings from SCHELL can achieve water savings up of to 40 percent by individually adjusting the necessary flow time. These savings translate into:

- Cost-effectiveness
- Short payback periods
- Ecological advantages
- Hygiene benefits
- Resource preservation

Flow times for electronic wash basin and shower fittings from SCHELL can be adjusted.

Flush valve fittings also feature adjustable flow times: with the stadium program offered by electronic models, for example, even more water is saved because the fitting detects usage frequency and can reduce the flush volume.

### **Should every fitting offer a stagnation flush?**

The fact of the matter is that regular water exchange via fittings is needed to avoid a drop in installation water quality. During operations, this exchange of water simply happens as part of regular use. When interruptions to normal usage occur, however, unfavourable conditions can then lead to the proliferation of pathogens such as *Legionella* or *Pseudomonas*, which pose a significant risk to human health. To avoid this kind of situation, electronic fittings that can flush at the tapping point regularly or on-demand are a reliable tool for maintaining water conditions without compromising on hygiene.

### **Legionella – an underestimated risk**

While species of *Legionella* are commonly found in nature, they occur at only very low concentrations in bodies of standing water. These bacteria had to wait for humans to create the perfect habitat by storing large amounts of warm drinking water for personal hygiene. If the water is then used for showering, this creates a fine, respirable mixture of water, air and microbes. The person exposed may then become infected if their immune system is weakened as a result of an organ transplant or an accident, or during recovery from heavy exertion or sport. According to data from the Robert Koch Institute, there are roughly 30,000 cases in Germany each year, of which 10–15 percent are fatal.



While the approximately 3,000 fatalities from *Legionella* infection every year is a conservative estimate, these deaths are not all related to drinking water. Some 2/3 of these fatalities are also male, although the reason for this is not known for certain. Nor is the risk limited only to drinking water itself, with many of the fatalities instead resulting from contaminated water in cooling towers, air-conditioning units, whirlpool baths, etc.

### **Avoiding conditions that promote the growth of pathogens like Legionella and Pseudomonas**

The typical temperature at which pathogens proliferate most rapidly

corresponds to the normal temperature of the human body. If temperatures around this 36 °C are avoided, by keeping cold water to no more than 25 °C and hot water above a minimum of 55 °C, this lessens the chance of excessive bacterial growth. If increased concentrations are still found to occur in drinking water installations, this means that there are areas in the system that are used only infrequently and which are exposed to external heat sources.

Figure 1. Distribution of cases of Legionnaires' disease per 100,000 people by EU/EEA country, 2017



Source: European Centre for Disease Prevention and Control. Legionnaires' disease. In: ECDC. Annual epidemiological report for 2017. Stockholm: ECDC; 2019.

### **Causes of increased concentrations of Legionella**

*Legionella* concentrations above the technical countermeasure threshold are always considered a breach of generally recognised codes of practice in the planning, construction or operation of a drinking water installation. Specifically, this means that the cold water is warmer than 25 °C somewhere in the installation and the hot water is much cooler than 55 °C. This is exacerbated by an inadequate water exchange that is itself making this heating or cooling possible, even despite acceptable insulation.

### **Thermal disinfection**

Once an installation is contaminated, thermal disinfection is one of several disinfection measures that can be used to counter microbial challenges such as an increased concentration of *Legionella*. It is not needed as a

preventive measure. Instead, a hot water installation can simply be operated at a constant temperature of  $\geq 55^\circ\text{C}$ . After all, an 'automatic' thermal disinfection is not possible for reasons of anti-scalding protection. Interventions are also needed – whether automated or manual – in the operation of the water heating system and circulation.

#### **No system disinfection without cleaning first**

DVGW W 557 states that a system disinfection (using chlorine) must be preceded by cleaning the installation beforehand (flushing with a water-air mix). The worksheet cited also contains information about approved chemicals, their concentrations and required exposure times, and the risk of potential damage to materials. Often, system disinfection will no longer be needed once cleaning is complete and the cause has been eliminated.

#### **Maintaining drinking water hygiene with the right fittings. Even in older properties.**

Many residential properties in Germany still use flush valves. While they do not use more water than cisterns, they do lead to higher flow rates than cisterns in what are also often old and over-dimensioned piping systems. When a partial renovation is planned, the old valves should be checked to see whether they can be replaced by modern, quiet flush valves that also offer dual-flush functions. This ensures that no changes are made to the operating conditions in the old piping, which has, after all, operated perfectly in terms of hygiene to date.

#### **Improving hygiene with wall-mounted wash basin taps**

For applications with more

stringent hygiene requirements, wall-mounted wash basin taps are preferable for two reasons. This approach not only makes wash basins easier to clean but also reduces the volume of drinking water from the wall disc to the outlet that could stagnate because no regulating angle valves and hoses are used.

#### **Pressure flush technology – benefits for WCs**

Pressure flush systems are particularly suited for use on high-traffic semi-public, public and commercial premises. Flush-on-demand is a key requirement of these usage scenarios. Flushing is accomplished by drawing directly from the supply line, using the existing flow pressure, and thereby doing away with any waiting periods for refilling.



SCHELLLOMAT  
SILENT ECO,  
DN 20

Carrying out a flush for the purpose of cleaning the ceramics can be performed at any time by using continuous operation. The optional integration of a stagnation flush system, which triggers a flush operation automatically 24 hours after the last actuation of the fitting, prevents the stagnation of water and bacterial growth within the supply system. SCHELL COMPACT II flush valves offer especially low-noise actuation and therefore meet the noise class I standard. With their minimal dimensions and form factors, SCHELL flush valves adapt to almost any kind of installation setting. Flush volumes of 3 to 9 l can be configured,

depending on actuation type. Electronic actuation allows for convenient yet cost-effective 'water on demand' operation. Standard components as well as the self-cleaning cartridge technology offered by SCHELL flushing systems ensure reliable, low-maintenance operation.

#### **Convenience and ergonomics**

Convenience commonly describes something that is technically mature while offering a degree of comfort or even luxury. Sanitary fittings provide this kind of convenience in two key ways. Firstly by the ease of installation, commissioning and maintenance for the building operator, and secondly by the level of comfort offered to system users.

Contact-free, on-demand water control systems provide convenience to the user while achieving water savings of up to 62 percent. Low installation heights and a choice of several outlet lengths also offer true practical value. Universal electronic modules, with selectable flush programs and a stagnation flush as offered by electronic fittings from SCHELL, leave nothing to be desired in terms of convenience. Compliance with the selected draw-off temperature is reliably ensured by thermostatic elements. From applications as diverse as an adjustable stagnation flush for urinals to a start/stop function for showers, SCHELL products offer users the level of convenience that they would expect from a technically sophisticated, 'Made in Germany' product. Ergonomically shaped temperature selector handles and a specially shaped tap lever for hospital use can be found in the VITUS program. This broad-based product line offers the right solution for any type of fit-out or application.

### **Anti-scalding protection for especially vulnerable users**

The German DIN EN 806-2 standard addresses anti-scalding protection as follows:

Avoidance of scald injuries

- Heated drinking water systems must be designed to minimise any risk of scalding.
- At tapping points where draw-off temperatures are particularly critical – such as in hospitals, nursery schools, nursing homes, etc. – thermostatic mixing valves or mixing taps with an upper temperature limit must be employed to prevent the risk of scalding. A maximum temperature of 43 °C is recommended.

Thermostatic mixing valves with temperature limitation must comply with DIN EN 1111 and DVGW W 574. In a situation where the cold water line fails, the hot water line must close automatically within 3 seconds. This is guaranteed by SCHELL thermostat fittings and the angle valve thermostat – which can also be retrofitted. The SCHELL angle valve thermostat is protected from unintentional readjustment by a cap.

- For shower installations, etc. in kindergartens and nursing homes, steps should be taken to ensure that the temperature cannot exceed 38 °C.



XERIS E-T, HD-M mid.

### **Simple to install and maintenance-friendly**

Alongside simple installation, keeping things easy to maintain afterwards is a key factor for cost-effective operations. Operational safety and frequency of servicing are especially important in the public sector. This means that controls should be easily accessible by the user while technical systems are kept safely out of reach. The integration of pre-filters and backflow preventers keeps service cycles to a minimum. The all-metal design of the fitting housing and the systematic use of materials that meet drinking water standards also works to minimise wear and tear. The modular approach taken to functional components reduces the number of spare parts required. SCHELL offers a comprehensive range of spare parts, so as to ensure that parts can always be supplied as needed.

#### **Showers:**

All products, from exposed shower fittings in the form of a shower panel to concealed showers, are designed to allow installation and servicing to be carried out by someone working alone.

This saves on installation and operating costs.

The water paths provide an ample amount of space to permit service activities to be completed without any problems. Integrated isolating valves, pre-filters and backflow preventers protect the functional components and facilitate servicing. A comprehensive range of spare parts ensures that parts can always be supplied as needed.

#### **Wash basin taps:**

All of the functional parts of the wash basin taps are integrated into the fitting body. With electronic taps, the battery compart-

ment is located in a part of the wash basin or tap not visible to the user, so as to make servicing work easier. Self-closing 'SC' taps feature an innovative plastic cartridge system that makes SCHELL fittings very reliable while minimising maintenance cycles.

### **Optimum hygiene with solenoid valves from SCHELL**

SCHELL's solenoid valves have proven themselves in millions of products across a broad spectrum of water qualities according to the EU Drinking Water Directive – and also in terms of hygiene. Sturdy and reliable, these valves can also be protected by SCHELL's proven filter angle valves if the drinking water contains unusually high levels of solids such as sand. The filters are easy to clean once the angle valve has been shut off.

### **What are the technical standards for a drinking water installation?**

"Installations for the distribution of drinking water must be planned, built and operated at least according to the generally recognised codes of practice." (German Drinking Water Ordinance, s. 17.) In this case, proper operation ('specified normal operation') means ensuring a complete exchange of water at all tapping points at intervals of no less than 3 or 7 days (VDI 6023/DIN EN 806-5).

### **Do other rules apply to older installations that do not reflect modern codes of practice?**

As quoted above, German legislation requires drinking water installations to meet generally recognised codes of practice as a minimum. Since these rules are frequently updated, however, this gives rise to questions about 'grandfathering in' older installations (which may also



be over-dimensioned). This is indeed possible if the installation complies with the current Ordinance: if not, renovations will be unavoidable.

### **Responsibilities of drinking water installation operators**

Under German law, operators of drinking water installations must ensure that the drinking water does not pose a risk to user health (Ordinance, s. 4). However, this cannot be achieved without regular water exchange and maintaining drinking water at the temperatures specified in the rules and regulations (cold water  $\leq 25^{\circ}\text{C}$ , hot water  $\geq 55^{\circ}\text{C}$ ). Section 16(3) of the Ordinance also states that operators must take immediate action if they suspect the drinking water may no longer be standards-compliant.

### **Users and tenants are also responsible for water quality**

Recent research has shown that, even if the drinking water in the building mains is optimal from a microbiological perspective, it can still become 'spoiled' as it travels the last few feet to the tapping point. This occurs as a result of inadequate water exchange at the tapping points, which is often caused by attempts to save water. In this case, operators are advised to provide users/tenants with written advice about the necessity of ensuring regular water exchanges.

### **Certification marks**

SCHELL's products not only offer sustainable solutions for public, semi-public and commercial sanitary facilities but are also fully certified. From angle valves to sensor-controlled outlet taps, all products complete type testing conducted by an accredited and independent testing body.

As a general rule, only parts and equipment that comply with recognised industry best practice can be used in a drinking water installation. Devices that bear the DIN DVGW test mark meet all of these requirements in full.

Country-specific requirements, such as the KIWA product certification in Netherlands or Belgacqua, the test mark for Belgium, are always based on the conditions applicable in the respective

country. Accordingly, compliance with international standards and regulations in other countries is just as important as meeting German requirements (2001 German Drinking Water Ordinance, DIN 50930 Part 6, DIN EN 1717, DVGW W 270 or KTW). Certification to a wide range of international standards ensures the successful sale of SCHELL products in Europe and the wider world.



### How SCHELL helps you to boost the ecological and economic benefits of a property. DGNB. LEED. BREEAM

As resources continue to grow scarcer, sustainability is becoming an increasingly important topic. Not least because building construction and operations accounts for nearly 40 percent of global primary energy consumption. Three major systems – DGNB, LEED and BREEAM – have been successfully developed as international classification systems for sustainable buildings and are now seen as significant for the German domestic market. These systems, which provide an overall assessment of the building during both construction and usage, are applicable to new buildings as well as to renovations and the upkeep of existing properties. The careful handling of resources and significant reductions to primary energy requirements represented by certification to the DGNB, LEED or BREEAM standards offer clear advantages:

- Certified buildings are characterised by their high market value
- Certified buildings command higher rents
- Certified buildings attract higher sale prices

### A thought leader in sustainability.

If, like SCHELL, you have a water reservoir right outside your factory gates, then environmental responsibility comes naturally to your business. We therefore view it as our duty to develop solutions with a major focus on sustainability. Not least because sustainability is now the major challenge facing contemporary and future generations. Read the SCHELL HAUTnah blog at [www.schell.eu](http://www.schell.eu) to find out more.

### BETTER savings with efficient fittings

Independent studies have shown that around 80 percent of a building's total lifecycle costs can be attributed to building operation and upkeep. This is where spending on fittings that save water and energy offers a short return on investment. Expenditure on maintenance and servicing costs also has an important role to play.

SCHELL enjoys an enviable reputation as a pioneer in sustainable fittings. Water use can be cut by up to 60 percent just by switching to our products. Hygiene also plays a vital role in relation to sustainability – especially in public sanitary facilities. SCHELL offers a wide range of intelligent solutions here, including contact-free wash basin and kitchen taps, and WC or urinal fittings.

### Eco-awareness in the enterprise

At SCHELL, sustainability is about much more than our products. All of our production work is handled by our two plants in Germany's Sauerland region, for example. This cuts the costs of logistics while also avoiding unnecessary environmental pollution – something as essential

to our business as protecting resources when sourcing materials. We are committed to applying the cradle-to-cradle approach across the entire lifecycle of our products. From the design to product development, product usage and recycling, SCHELL therefore makes every effort to pursue the goal of a potentially infinite closed-loop economy. Raw materials and products are recycled and reused – like the brass turnings and swarf from our manufacturing processes, for example, which are collected and returned to the brass producer.

### Drinking water for the future – worldwide

SCHELL has also joined forces with other leading manufacturers in the quality sanitary equipment sector to form the Blue Responsibility initiative. The Blue Responsibility initiative focuses on ensuring sustainable drinking water supplies for the future. As an initiative member, SCHELL commits its expertise to ensuring the responsible handling of natural resources worldwide.

**SCHELL has produced a special brochure (95 380 00 99) with full details of our work in sustainability.**





**Generally**

|   |                  |
|---|------------------|
| ▪ <b>Sales, Delivery and<br/>Payment Conditions</b> | <b>506 - 508</b> |
| ▪ <b>Manufacturer Warranty</b>                      | <b>510 - 511</b> |

# General Sales, Delivery and Payment Conditions of SCHELL GmbH & Co. KG

## I. Standard Conditions, Conclusion of Contract

- For all quotations, deliveries, and payments the following conditions exclusively apply. Conflicting business and/or purchasing conditions have no validity, even if we do not expressly contradict them. With the placing of an order and/or the receipt of delivery the purchaser recognizes our conditions.
- The order is obligatory for us with our written endorsement or with the beginning of execution of the order. All agreements met between us and the purchaser in regard to execution of the present contract, are put into writing in the present contract.
- We can refuse the execution of given orders without declaration of reasons.

## II. Quotation, Cost Estimate, Prices, Price Adjustment Provision

- Our quotations as well as the prices and delivery availabilities indicated in our catalogs, printed matter, letters etc. are subject to confirmation; cost estimations are non-binding.
- All orders will only be accepted based on the valid prices at the time of the order. Our prices are to be understood in EUROS, excluding customised special packaging, freight, tariff, plus the respective value added tax. With delivery of goods beyond EURO 500,00 the prices apply free of all charges from receiving station and/or German border.
- With all orders — also with orders on call and successive delivery contracts — whose delivery according to contract or at the request of the purchaser takes place later than four months after the placement of the order, we are entitled to compute the applicable prices on the day of delivery.
- For the smallest orders within the EU under a net invoice value of EURO 50,00 we compute a pro rated handling fee of EURO 5,00 for each small order. Orders for replacement parts are excluded from this rule.

In non-EU states handling charges as well as the minimum order quantity conform to the shipping and administrative burdens for the respective country.

## III. Shipment, Costs, Passing of Risk

- Our deliveries take place principally from the Olpe facility at the purchaser's risk. With customer pick-ups the risk passes over to the customer when the goods leave the warehouse. We are not liable - also not with freight-paid delivery - for damages or losses during transport. If nothing else is agreed upon, we decide on the type of packaging and the shipping.
- If delivery is delayed because of conditions that we do not have to assume responsibility for, the risk passes over to the purchaser from the day that the purchaser has communicated himself ready to take delivery.

## IV. Change of Delivery Item

We reserve the right to construction an form changes as well as changes to the scope of the delivery as long as the goods are not significantly changed and the change is reasonable for the customer.

The compliance of measurements, weights, and depictions as nonbinding for us.

## V. Payment Conditions and Consequences for Non-compliance, Set-off

- Within the EU our bills are payable postage and expense-free within 30 days of admittance of our bill or equivalent itemisation of an amount receivable, at the latest, however, 30 days after maturity and receipt of return service. Afterwards we calculate annual interest at a level of 8 % - points within 14 days of the date of invoice the purchaser is entitled to deduct 2 % cash discount, with payments within 8 days of the date of invoice, 3 % cash discount, provided that all previous payments have been paid.

In non-EU states the individual agreements met with the respective customer apply.

- We accept changes and checks only against fulfillment of a debt, changes only according to a special agreement. The payment applies first after redemption of the changes or checks as performed. Discount and charges are borne by the purchaser. Independent of the duration of changes taken or granted extensions, our demands become immediately due if the purchaser does not abide by the payment conditions or circumstances become known that place his credit worthiness in doubt. In such a case we are further entitled to only carry out deliveries against payment in advance or by way of surety bond or to withdraw after appropriate respite from the contract and/or to require compensation.
- Payments to our representative with a liberating effect may only take place if he is invested with an adequate power to collect and the power to collect is confirmed to the purchaser by us in writing.
- In the face of our conditions the purchaser can only set off with indisputable or established, legally-valid counterclaims.

## VI. Terms of Delivery and Liability Regulations, Obligation of Acceptance, Returns

- The delivery time begins as soon as all details of performance, especially the technical question, are clarified and both parties agree about all conditions of the affair. The delivery date is adhered to, if the article of sale had left our factory prior to its expiration, or readiness for shipment was communicated to the purchaser. Adherence to the delivery date pre-

supposes the fulfillment of the contractual obligations of the purchaser, especially the agreed-upon payment conditions.

- Delivery time information takes place according to our best knowledge, is approximately binding, and can diverge from the actual delivery.
- If our delivery takes place neither by the due date nor within an additional period established from us to the purchaser for specified reasons, the purchaser is entitled to withdraw in respect to the appointed delivery.
- For claims for damages because of belated fulfillment or nonfulfillment instead of performance the following applies: If in the attempt to deliver we are, in terms of which only our simple negligence meets, the claim of the purchaser to compensation of damages due to delay, proven by him, is limited to the amount 0,5 % for every full week of delay up to a total amount of 5 % of the value of the bill affected from the delay of the order. If the purchaser can demand compensation for damages instead of performance, we adhere to the purchase of a private consumer (§ 13 BGB) with an injury from the primary obligations of the contract - these obligations are those that, if violated, put the actual purpose of the contract at risk, and the fulfillment of complied with - including in the event of ordinary negligence for damage compensation, however any claims for compensation are limited to the foreseeable damage at the time of contract conclusion.
- Higher power or circumstances for which we are not responsible (e.g. interruption of operations or strike) and the resulting hindrance of performance of the contract in regard to the deadline entitle us to reasonably postpone the fulfillment of assumed obligations or, if performance thereby becomes impossible for us, to withdraw entirely or in part from the contract. The same applies if materials were required by us from our suppliers for the completion of the order, and the materials ordered out from us, for reasons for which we are not responsible, were not received in time. A condition of the withdrawal is that we inform the purchaser immediately of the unavailability and refund eventual return services of the purchaser immediately. Claims of damages in any form are precluded.
- Partial deliveries as well as excess or short deliveries are principally allowable, unless this is expressly written down in the order by the customer as not allowable.
- Partial deliveries as well as surplus or reduced deliveries are permissible in principle, unless this is expressly noted by the customer as not permissible in the order in text form (§ 126 b BGB).
- Blanket and make-and-hold orders must be called within 8 months, whereby the delivery time may not exceed three months. With noncompliance of these terms by the purchaser the right pertains to us to either cancel the order and demand compensation because of noncompliance or to bring and calculate the back-ordered goods for shipment.
- Returns of goods or the cancellation of orders require our written agreement. For all returns of goods - they take place principally at the risk of the sender - we deduct at least 25 % of the net value of the goods from the credit to be issued for processing costs, return costs. Special designs and goods that are no longer contained in our delivery program will not be taken back.

## VII. Notices of Defects, Claims of Defects, Liability Regulations

- Without prejudice those with a mutual commercial transaction composing continuing examination obligations and obligations to give notice of defects (§ 377 HGB), the purchaser has to examine the delivered goods for visible defects and to notify us in writing of complaints because of such visible defects - that applies also for incomplete or incorrect deliveries - within 5 working days of receiving the goods and with such defects that first become visible at a later time, within 5 working days of recognition by the purchaser in text form (§ 126 b BGB); otherwise the goods are considered, in view of the visible defect, as approved and the purchaser can insofar exercise no further rights against us. That does not apply with a direct purchase by a private consumer.
- With entitled notices of defects we are obligated to the cost-free amendment of the delivered goods and/or, according to our choice, to the replacement delivery. With purchases by a private consumer, unless direct or by subcontractor in the delivery chain, the consumer and/or the subcontractor is entitled to the right to choose. If the amendment or replacement delivery fails in spite of two attempts or we refuse this unwarrantedly or we delay this unreasonably, the purchaser is entitled to reduction of the payment, or if there is not a construction capacity article of the warranty for defects, according to his choice, to demand cancellation of the contract.
- For claims of damages subject to the regulation in VII following applies: With purchase by a private consumer, unless direct or by subcontractor in the delivery chain, we are liable for an injury from the primary obligations of the contract, also with simple negligence, to compensation for damages instead of performance, however eventual claims to the compensation are limited to foreseeable damages at the time of the conclusion of contract, as long as the defect is not secretly fraudulent or a guarantee for the properties and conditions of the thing have been assumed. Subject to the provision in Clause VIII the following applies to claims for damages: In the event of breaches of essential contractual duties even due to ordinary negligence we assume liability for damages instead of performance, however, the possible claims for compensation are limited to the damages that are foreseeable at the time of the conclusion of the Agreement, unless we have maliciously concealed the defect

or we have issued a guarantee regarding the quality of the object.

4. Defective claims do not exist if the error is to be returned due to an injury from operation, maintenance and installation specifications, improper or inappropriate use, erroneous or careless handling by the purchaser, or natural wear, as well as interventions carried out by the purchaser or third parties to the article of sale. The same applies if SCHELL products are incorrectly assembled, are carelessly handled or handled beyond the scope of usual, or disfunctions lead back to inappropriate equipment, replacement of parts, chemical, electrochemical, or electrical effects. Claims of defects also do not exist if our installation instructions and other technical documentation, which were made accessible to the customer at the time of delivery, were not always precisely followed in whichever way the instructions and recommendations contained within had specified.
5. Only in urgent cases of danger of operational safety, of which we are to be immediately informed, or if we are advised in delay of the removal of the defects, the purchaser has the right to personally remove or to allow a third party to do so and to request from us appropriate compensation for the costs borne by him.

### VIII. Other Liability (Limits and Exceptions)

1. Aside from the preceding regulated delay and defect claims we meet the obligation, unless a damage is based on an ordinary or grossly negligent breach of duty on our part or on an intentional or grossly negligent breach or duty by our legal representative all fulfilment subsidiaries, or it concerns damages from an injury to the life, the body, the health, that is based on a negligent breach of duty on our side or on the part of our legal representative or fulfilment subsidiary, or it concerns damages that usually and typically are excluded by a liability insurance of us for appropriate insurable conditions. That applies especially for claims of damages from debts before or with contract conclusion, injury from collateral duty and claims from illegal acts.
2. Claims according to the product liability law and from it remain unaffected by a guarantee.

### IX. Proprietary Rights

Deliveries take place according to the design or special designations of the purchaser, who carries responsibility for the successes and that the proprietary rights of third parties are not injured.

### X. Retention of Title

1. We reserve the right of possession of the article of sale (reserved goods), until all of our demands on the purchaser from the business agreement have been settled, excluding the conditions arising in the future, also from simultaneously or later concluded contracts. With running invoices the reserved possession and all rights as collateral for our entire balance condition apply together with interest and costs. With garnishments or other third party interventions the purchaser has to notify us immediately.
2. The purchaser is entitled to process and resell the article of sale in the orderly business routine. This power ends if the purchaser comes into delay of payment, further, with the surrender of payment by the purchaser, or if the opening of composition or insolvency procedure of his assets is requested. He is obligated to resell the conditional item only under retention of title and thereby to ensure that the demands from the resale in accordance with 5 and 6 pass over to us. As far as resale applies, the use of the reserved goods for fulfillment of factory and factory consignment contracts also applies. He is not entitled to other provisions regarding the reserved goods, especially for pledging or security. A transfer of the demands from the passing on of our reserved goods is illegal, unless it deals with a transfer in the way of legitimate factoring of which we are notified and with which the value of the receipts of the factoring exceeds our secured demands. With the credit note of the factoring receipts our demand becomes immediately due.
3. Through processing and handling of the reserved goods the purchaser does not acquire the title to the new item in accordance with § 950 BGB. The handling or reshuffle is made for us, without obligating us. The processed and handled goods count as reserved goods.
4. With handling, consolidation and amalgamation of the reserved goods with other goods we reserve the co-ownership of the new item to the ratio of the invoice value of the reserved goods to the invoice value of the other goods used. If our ownership expires through consolidation, amalgamation, or handling, the purchaser immediately confers to us the entitlement of ownership and expectancy rights of the new asset or of the item in the amount of the invoice value of the reserved goods. In cases of the conversion of the amount of the invoice value of the reserved goods to the invoice value of other used goods, they are held in safekeeping for us. Our rights of co-ownership apply to the reserved goods.
5. The demands of the purchaser from the resale of the reserved goods are to be immediately surrendered to us. They serve in the same amount of security as the reserved goods.
6. If the reserved goods together with other goods are resold by the purchaser, the demand from the resale in the amount of the invoice value of the reserved goods to the other goods is surrendered to us. With the resale of goods, to which we have co-ownership rights in accordance with 4, our co-ownership interest in the proportionate part of the demand is due to us.

7. At our request the purchaser is obligated to give us an exact statement of his demands with name and address of the purchaser, to give the assignment of his known purchaser, and to confer to us all necessary information for assertion of the ceded demands. The purchaser reauthorises us, as long as he is in delay of payment or his pecuniary circumstances worsen, to contact the purchaser from the transfer and to collect the demands ourselves. We can require an examination of the condition of the ceded demands by our representatives by means of the purchaser's accounting. The purchaser has to pass a statement over to us regarding the reserved goods still in existence.
8. If the value of the existing collateral exceeds the secured demands altogether by more than 15 %, we are obligated to the requests of the purchaser as far as the release of collateral according to our choice. As value of the collateral applies with simple and downstream-processed retention of ownership, to which the purchaser refers the goods with us, and with the prolonged retention of ownership of the invoice value, to which the purchaser resells our goods.
9. With changes, checks etc., the payment applies first according to secured redemption by the purchaser as contributed. We only take checks in payment of a debt. Payments that take place against relinquishment of a change issued by us first count as performed when the check and/or change recourse is precluded to us. Irrespective of our further security rights the acknowledged collateral remains with us until this time is reached.
10. Because of the retention of ownership we can reclaim the article of sale if we are withdrawn from the contract. For withdrawal we are entitled without regard to the further requirements of § 323 BGB from the time in which the purchaser finds himself with the payment to us entirely or partially in debtor's delay. It requires no further setting of deadlines in particular for the exercise of a withdrawal on our part. The same applies with the surrender of payment of the purchaser or if beyond his assets the opening of a composition or insolvency procedure is requested. All arising costs resulting from repossession of the delivery item are borne by the purchaser. We are entitled to freely utilise the revoked delivery item.

### XI. Place of Fulfillment, Legal Domicile, Applicable Right

1. The place of fulfillment is the place of our delivery facility.
2. For contracts with buyers, legal entities of public law, or public legal fund assets all disputes are to be decided in the courts relevant for our company headquarters. We are also entitled to dispute before the courts situated with our respective contracting parties.
3. For all deliveries and performances, German law applies with the exception of the UN-Convention on Contracts for the Sale of International Goods. The contract language is German. If the contracting parties should avail themselves to another language, the German wording has precedence.

### XII. Export Agreement

It is considered agreed-upon that the related goods from SCHELL remain exclusively in the European Union. An export from the territory of the European Union requires the expressed agreement from SCHELL. In each case of resale by the purchaser, he is responsible for the adherence in the territory of the European Union, or in respective export countries, to the applicable safety measures for water and/or gas equipment.

### XIII. Traceability

If the Purchaser forwards the goods supplied by SCHELL to third-parties it shall be obliged to maintain corresponding records in order that, for the duration of the applicable retention periods for business documentation as stipulated by commercial law provisions (HGB) and by tax law (AO), the Purchaser can immediately provide information on the location of the goods. The Purchaser shall impose the corresponding obligations if its own customers forward the goods onwards and if the goods forwarded by the Purchaser do not remain with it (end customer) as intended.

If, for example, in the event of a recall campaign triggered by SCHELL, the Purchaser is culpably unable to provide information on the further whereabouts of the supplied goods, the Purchaser shall be under the obligation to compensate SCHELL or to indemnify SCHELL in relation to such damage to third parties for any damages caused thereby and or consequential damages to persons or property for which SCHELL is liable in relation to third parties.

### XIV. Export controle clause

1. Fulfilment of the contract relating to those delivery parts which are recorded by state export regulations, shall be subject to there being no obstructions due to German, US-American or other applicable national, EU or international regulations of foreign trade law, nor any embargos or other sanctions that oppose it. The Purchaser shall commit to SCHELL, in the event of the resale, export or shipment abroad of the goods supplied by SCHELL, that all relevant and applicable local and international regulations – specifically also for money laundering prevention – shall be observed and that any requisite approvals shall be obtained. The Purchaser shall acknowledge that it is its sole responsibility to comply with these laws and regulations. The Purchaser must prove this to SCHELL in the event of the existence of a legitimate interest and in justified suspected cases regarding an infringement of the above obligations through a corresponding provision of information and in particular the

provision of information regarding the data of the Purchaser's customer to whom the goods supplied by SCHELL have been resold, at the requisite scope to ensure the traceability of compliance with the preceding obligations of the Purchaser.

2. The Purchaser shall commit to produce all the information and documentation that is required for the export or shipment. The Purchaser shall immediately on request transfer to SCHELL all information about final recipients end-use and intended purpose of the goods to be delivered by SCHELL as well as any related export control restrictions. Delays due to export checks or approval procedures shall override deadlines or delivery times.
3. SCHELL shall be entitled to cancel the contract, in full or in part, without notice if the cancellation on the part of SCHELL is required due to compliance with national or international legal regulations.
4. In the event of a cancellation pursuant to Clause 3, the assertion of compensation claims or other claims by the Purchaser due to the cancellation shall be excluded unless these claims are based on intent or gross negligence on the part of SCHELL.
5. In the event of an infringement of legal export-control obligations by the Purchaser, it shall immediately exempt SCHELL in full from all claims which authorities and/or other third parties assert against SCHELL and it shall reimburse all damages which authorities and/or third parties assert against SCHELL. This shall not apply if the Purchaser is not responsible for the infringements. This does not constitute a reversal of the burden of proof.
6. Should approvals not be granted or if other delivery restrictions exist, then the corresponding offer from SCHELL shall become invalid and a contract relating to this matter or these goods shall not be concluded. Any compensation claim associated with the rejection or delay of approval issuances or other export restrictions shall be excluded, unless this is based on intent or gross negligence on the part of SCHELL.

#### **XV. Safeguarding Clause**

If regulations of these conditions and/or the further agreements should be or become ineffective, then the validity of the contract remains unaffected in all other respects. The contracting parties are obligated to replace the ineffective condition by a regulation of equal economic achievement, if possible.

**Status: September 2023**

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**The SCHELL Sales and Delivery Conditions are valid.**





## Manufacturer Warranty

As at: January 2015  
Valid from 1 January 2015



### The SCHELL Manufacturer Warranty

SCHELL provides this manufacturer warranty to consumers for SCHELL products, in addition to the statutory warranty to which consumers are entitled from their vendor. It shall apply without prejudice to mandatory statutory liability provisions, such as under the German Product Liability Act, in cases of intent and gross negligence, due to injury to life, body or health by SCHELL or its vicarious agents.

For the purposes of this manufacturer warranty, “consumer” means any natural person who is the owner of the product on the basis of a contract of sale or a contract for work and services and who has not acquired the product with a view to reselling it to or installing it with third parties in the course of his or her commercial or independent professional activity. “First customer” means the consumer who first acquired the product from SCHELL, a dealer or any other natural or legal person who resells or installs the product in the course of their commercial or independent professional activity.

### Warranty Services

SCHELL warrants to consumers in accordance with the following provisions that products marketed by SCHELL under the SCHELL brand name after 1 January 2015 shall be free from defects in material, workmanship or design for a period of five years from the date of acquisition of ownership by the consumer as the first customer, but for a maximum period of seven years from the date of manufacture of such products. The assessment of whether a product is defective is based on the generally acknowledged standards of technology at the time the product was manufactured.

SCHELL shall decide whether the product shall be repaired or replaced, or to refund the consumer the purchase price.

The repair or replacement with a new product shall be carried out at SCHELL's discretion by a qualified specialist. The service under this warranty consists of the free delivery or repair of a new product of the same kind, quality and/or type. If the defective product is no longer manufactured at the time of the warranty claim, SCHELL shall be entitled to deliver an equivalent product. After replacement, the defective products shall become the property of SCHELL. The costs for any posting and return delivery of the product shall be borne by SCHELL.

Other claims of the consumer against SCHELL, in particular claims for damages that may have been caused by the defective SCHELL product, are not covered by this manufacturer warranty.

### Warranty Period

The SCHELL manufacturer warranty is valid for a period of five years from the date of the consumer's acquisition of ownership of the product as the first customer.

The consumer must verify that the warranty period has not yet expired.

The warranty period shall not be extended by repair measures authorised by SCHELL or by the replacement of the product or individual parts, nor shall it begin anew. This shall also apply if these warranty conditions are enclosed with the new product.

### Warranty Conditions

The prerequisite for the warranty claim is the presentation of the original invoice with date – for a purchase contract – of the transfer and/or – for a contract for works and services – of the installation of the product, which must clearly show the name and address of the vendor and the place of purchase or work (installation). Claims under this warranty shall continue to apply only if the product has been properly installed, fitted and operated. The installation and operating manual issued by SCHELL must be observed. A further prerequisite is that the installation is carried out in accordance with the relevant applicable statutory provisions (Section 12(4) of the German Ordinance on General Conditions for the Supply of Water (AVBWasserV) and Section 17(1) of the German Drinking Water Ordinance (TrinkwV). Furthermore, when the product is installed, the general installation conditions, the technical product information and the technical data sheets provided by SCHELL are to be observed as well as the generally acknowledged standards of technology.

In order to make use of the SCHELL manufacturer warranty, the product must also be properly cleaned and maintained according to the SCHELL care instructions and operated in accordance with the operating manual.

The technical product information, technical data sheets, as well as the SCHELL care instructions are included in the sales packaging or are available for download on the SCHELL website at [www.schell.eu](http://www.schell.eu).

The end customer may only make use of warranty services if a fault is reported before claiming warranty services, provided that such reporting is not unreasonable in individual cases. The first contact person for the report within the framework of the SCHELL manufacturer warranty is usually the specialist from whom the end customer procured the product, otherwise, one of the customer service points authorised by SCHELL, or SCHELL itself.

The report must be made within a reasonable period after discovering the fault, but in any case before the warranty period expires.

### Exclusion of Warranty

Any claim under the warranty shall be excluded in particular

- if the installation, care, maintenance or repair of the product has not been professionally carried out;
- if normal wear and tear of the products can be ascertained;
- if the fault is due to operating errors or incorrect handling of the product;
- if the fault occurs due to no or incorrect maintenance;
- If spare parts other than original parts from SCHELL have been used for a repair or maintenance of the product;
- if the fault has been caused by the transportation, installation or test operation of the product;
- if damage is caused by force majeure or natural catastrophes, in particular flooding or fires;
- if the surface has been scratched;
- if the product is an exhibition or display product;
- if consumable material (such as filter, aerator or batteries) or expendable material (such as seals or hoses) is affected;
- if the fault has been caused by fragile parts breaking (for example, glass or bulbs);
- if the fault occurs due to aggressive environmental influences (such as chemicals or cleaning agents), lime deposits, dirt ingress or malfunctions due to ice and/or lime;
- if the fault is caused by ambient situations (for example, overpressure or vacuum on the line, overvoltage or undervoltage in the line);
- if there are minor deviations which have no influence on the utility value of the product;
- if the fault is due to intentional or negligent damage to the product by the consumer or a third party, or
- if the installation site is in countries where the SCHELL Group does not have its own sales company or sales partner.

SCHELL will check each individual case to see whether the conditions of the warranty and any reasons for exclusion apply. If warranty claims are asserted and it is established during the inspection of the product by SCHELL that there was no fault or that the warranty claim does not apply for one of the above reasons, SCHELL shall be entitled to charge a service fee of [EUR 10 plus VAT]. If the customer proves that under the circumstances he or she was unable to establish that the warranty claim did not exist, the service fee shall not apply.

### Statutory Rights

The statutory rights to which the consumer is entitled in the event of a defective and/or faulty SCHELL product in addition to the rights under this warranty (e.g. rights under warranty in accordance with Section 437 of the German Civil Code (BGB) – subsequent performance, reduction, withdrawal and/or compensation, claims under the Product Liability Act and/or tort as set out by Sections 823 ff BGB, etc.) are not limited by this warranty. This warranty also does not affect any rights and claims the consumer may have against the vendor and/or contractor from whom the first customer procured the product.

### Final Provisions

This warranty is valid to the extent and under the prerequisites stated above.

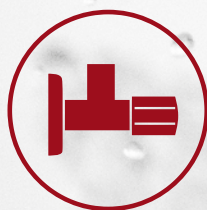
This warranty is subject to the law of the Federal Republic of Germany to the exclusion of the UN Convention on Contracts for the International Sale of Goods (CISG) of 11/04/1980.

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