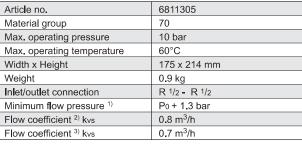
Fillset

Fillset Compact

- · Pre-fabricated assembly for direct connection of HVAC systems to water mains
- · Prevents backflow of HVAC water into the water mains
- · With German DVGW-approved BA-type backflow preventer
- Including wall bracket and isolation valves

| Article no. | 6811305 |
|----------------------------|--------------------------|
| Material group | 70 |
| Max. operating pressure | 10 bar |
| Max. operating temperature | 60°C |
| Width x Height | 175 x 214 mm |
| Weight | 0.9 kg |
| Inlet/outlet connection | R 1/2 - R 1/2 |
| Minimum flow pressure 1) | P ₀ + 1.3 bar |
| Flow coefficient 2) kvs | 0.8 m ³ /h |
| Flow coefficient 3) kvs | 0.7 m ³ /h |



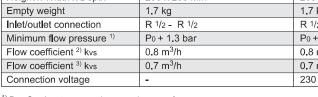


⁼ minimum operating pressure of the system

Fillset

- · Pre-fabricated assembly for direct connection of HVAC systems to water mains
- · Total quantity of make-up water is measured by a water meter
- · Prevents backflow of HVAC water into the water mains
- With German DVGW-approved BA-type backflow preventer
- · Including wall bracket and isolation valves

| | Fillset with standard water meter | Fillset with impuls water meter |
|----------------------------|--|--|
| Article no. | 6811105 | 6811205 |
| Material group | 70 | 70 |
| Max. operating pressure | 10 bar | 10 bar |
| Max. operating temperature | 60°C | 60°C |
| Height x Width x Depth | 293 x 230 mm | 293 x 230 mm |
| Empty weight | 1.7 kg | 1.7 kg |
| Inlet/outlet connection | R 1/2 - R 1/2 | R 1/2 - R 1/2 |
| Minimum flow pressure 1) | Po + 1.3 bar | Po + 1.3 bar |
| Flow coefficient 2) kvs | 0.8 m ³ /h | 0.8 m ³ /h |
| Flow coefficient 3) kvs | 0.7 m ³ /h | 0.7 m ³ /h |
| Connection voltage | - | 230 V / 50 Hz |



¹⁾ P0= Gas input pressure in expansion vessel

Reflex MV Solenoid Valve With Ball Valve

- · For water make-up within systems which are equipped with pressurisation units (compressor controlled)
- · Operates on 230 V output from pressurisation unit

Article No: 7858300 Material Group: 35







²⁾ As a single assembly

³⁾ In conjunction with Fillcontrol Plus, Variomat, Reflexomat or Servitec

⁼ minimum operating pressure of the system

²⁾ As a single assembly

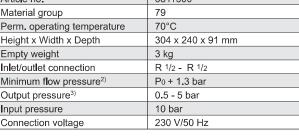
³⁾ In conjunction with Fillsoft

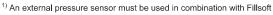
Fillcontrol

Fillcontrol Plus Compact

- · Compact, automatic water make-up device for systems with conventional expansion vessels according to DIN 1988 and DIN EN 1717
- · With system BA-type backflow preventer
- Monitored water make-up
- · Dry contact (common fault)
- Input pressure max. 10 bar
- Output pressure 0.5 5 bar
- Flow rate ca. 0.5 m 3 /h at $\Delta p = 1.5$ bar
- · Fillcontrol, now with it's new name Fillcontrol Plus Compact

| 6811500 |
|-------------------|
| 79 |
| 70°C |
| 304 x 240 x 91 mm |
| 3 kg |
| R 1/2 - R 1/2 |
| Po + 1.3 bar |
| 0.5 - 5 bar |
| 10 bar |
| 230 V/50 Hz |
| |





 $^{^{2)}}$ Po = Pst + 0.2 (recommendation) static pressure (= stat. height [m]/10)

Fillcontrol Plus - Make-up Station Without Pump

- · To monitor diaphragm expansion vessels and for the automatic water make-up of the set initial pressure
- · Incl. wall bracket
- · With Control Basic control unit
- RS 485 interface, connection of bus/extension modules possible
- · Capacity monitoring of a Fillsoft water treatment system possible

| | Standard | Stainless steel |
|------------------------------------|----------------------------|--------------------------------|
| Article no. | 8812100 | 8812200 |
| Material group | 70 | 70 |
| Perm. operating temperature | 90°C | 90°C |
| Height x Width x Depth | 320 x 340 x 190 mm | 320 x 340 x 190 mm |
| Weight | 2.5 kg | 2.5 kg |
| Inlet/outlet connection | G 3/4 = G 1/2 | G 3/4 - G 1/2 |
| Perm. excess operating pressure | 10 bar | 10 bar |
| Input pressure | Max. 10 bar | Max. 10 bar |
| Minimum flow pressure | Po + 1.3 bar ¹⁾ | Po + 1.3 bar ¹⁾ |
| Max. normal pressure p | Po + 4 bar ²⁾ | Po + 4 bar ²⁾ |
| Connection voltage | 230 V/50 Hz | 230 V/50 Hz |
| Flow coefficient ³⁾ kvs | 1.4 m ³ /h | 1 . 4 m ³ /h |
| Flow coefficient ⁴⁾ kvs | 0.7 m ³ /h | 0.7 m ³ /h |

¹⁾ Po= Gas input pressure in expansion vessel







 $^{^{3)}}$ System pressure, factory configuration 3 bar

⁼ minimum operating pressure of the system

 $^{^{2)}\,\}mbox{If}$ exceeded, fit pressure reducing valve upstream

³⁾ As a single assembly

⁴⁾ In conjunction with Fillset

Fillcontrol Auto Compact - Water Make-up Station With Pump

- Fully automatic water make-up systems with integrated pump
- Fillcontrol Auto Compact with integrated intermediate tank as a means of system separation
- · Systems equipped with Control Basic for simple and clear operation
- RS 485 interface, connection of bus/extension modules possible
- · Capacity monitoring of a Fillsoft water treatment system possible
- Including system separation in accordance with DIN 1988 and DIN EN 1717 with Fillcontrol Auto Compact

| | Fillcontrol Auto Compact |
|---------------------------------|----------------------------|
| Article no. | 8688500 |
| Material group | 70 |
| Perm. excess operating pressure | 10 bar |
| Perm. operating temperature | 30°C |
| Height x Width x Depth | 620 x 580 x 290 mm |
| Weight | 17.5 kg ¹⁾ |
| Pump pressure | Max. 8.5 bar |
| Heating connection | G 1/2 |
| Potable water connection | G 1/2 |
| Overflow connection | DN 32 |
| Supply pressure max. | Max. 5.5 bar ²⁾ |
| Delivery rate | 120 - 180 l/h |
| Req. Feed capacity | 360 l/h |
| Suction connection at tank | - |



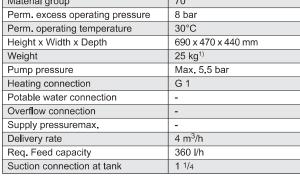
Fillcontrol Auto Compact



Fillcontrol Auto - Water Make-up Station With Pump

- Fully automatic water make-up systems with integrated pump
- Fillcontrol Auto for water make-up, e.g. from containers or conditioning systems
- Systems equipped with Control Basic for simple and clear operation
- RS 485 interface, connection of bus/extension modules possible
- · Capacity monitoring of a Fillsoft water treatment system possible • Fillcontrol Auto for applications suitable for max. 50 % anti-freeze

| | Fillcontrol Auto for use with anti-freeze |
|---------------------------------|---|
| Article no. | 8812300 |
| Material group | 70 |
| Perm. excess operating pressure | 8 bar |
| Perm. operating temperature | 30°C |
| Height x Width x Depth | 690 x 470 x 440 mm |
| Weight | 25 kg ¹⁾ |
| Pump pressure | Max. 5.5 bar |
| Heating connection | G 1 |
| Potable water connection | - |
| Overflow connection | - |
| Supply pressuremax. | - |
| Delivery rate | 4 m ³ /h |
| Req. Feed capacity | 360 l/h |
| Suction connection at tank | 1 1/4 |







Fillcontrol Auto



¹⁾ Without water volume

²⁾ If exceeded, fit pressure reducing valve upstream