

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

¹⁾ P₀ = Gas input pressure in expansion vessel
= minimum operating pressure of the system

²⁾ As a single assembly

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



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⁾	P ₀ + 1,3 bar	P ₀ + 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
= minimum operating pressure of the system

²⁾ As a single assembly

³⁾ In conjunction with Fillsoft



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



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 m³/h at $\Delta p = 1.5$ bar
- Fillcontrol, now with it's new name Fillcontrol Plus Compact



Article no.	6811500
Material group	79
Perm. operating temperature	70°C
Height x Width x Depth	304 x 240 x 91 mm
Empty weight	3 kg
Inlet/outlet connection	R 1/2 - R 1/2
Minimum flow pressure ²⁾	P ₀ + 1.3 bar
Output pressure ³⁾	0.5 - 5 bar
Input pressure	10 bar
Connection voltage	230 V/50 Hz

- ¹⁾ An external pressure sensor must be used in combination with Fillsoft
²⁾ P₀ = P_{st} + 0.2 (recommendation) static pressure (= stat. height [m]/10)
³⁾ System pressure, factory configuration 3 bar

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	P ₀ + 1.3 bar ¹⁾	P ₀ + 1.3 bar ¹⁾
Max. normal pressure p	P ₀ + 4 bar ²⁾	P ₀ + 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⁾ P₀ = Gas input pressure in expansion vessel
 = minimum operating pressure of the system
²⁾ 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



	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	-

¹⁾ Without water volume

²⁾ If exceeded, fit pressure reducing valve upstream

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



	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

¹⁾ Without water volume