

## Accessories for Potable Water Installations

5

5



*The comprehensive range of Flamco accessories for potable water installations provide protection, safety and efficiency. For example, the Prescor BFP eliminates the risk of contamination of the mains water network, the Flamcomix thermostatic mixing valve ensures safe and accurate temperature control and Prescor B boiler valves protect potable water systems against excessive pressure. In addition, Flamco has developed a water shock arrestor to absorb water hammer (sudden pressure wave in a closed pipe). The construction and high quality of applied materials with these products guarantee optimum safety.*

Prescor B



P. 142

Prescor SB



P. 143

Prescor IC



P. 144

Flexbrane



P. 145

Siphon Flexbrane CE



P. 145

Prescor T&P



P. 146

Reduflux



P. 146

Flamcomix Mixing Valve



P. 148

Flamcomix Insulation box



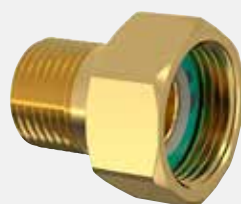
P. 149

Flamcomix Backflow Preventer set



P. 149

Flamcomix Connections set



P. 150

Flamcomix Precision Thermometer



P. 150

AirfixControl



P. 150

Flexofit S



P. 151

Flexofit S T-fitting



P. 151

MB



P. 152

SB-A Band



P. 152

Flexcon DT



P. 153

Vessel Carrier



P. 153

Precharge Pressure Tester



P. 153

## PRESCOR B AND SB SAFETY VALVES

For protecting water heaters and potable water systems.

When the system pressure reaches the set pressure, the Prescor B boiler valve begins to vent, whereby the pressure stops rising. If, due to specific circumstances, the pressure rapidly rises over the set pressure, the Prescor B boiler valve will open fully, creating a large blow off capacity. This is a permanent, reliable safeguard against overpressure. Venting can be prevented by installing a suitably sized Airfix expansion vessel for sanitary systems.

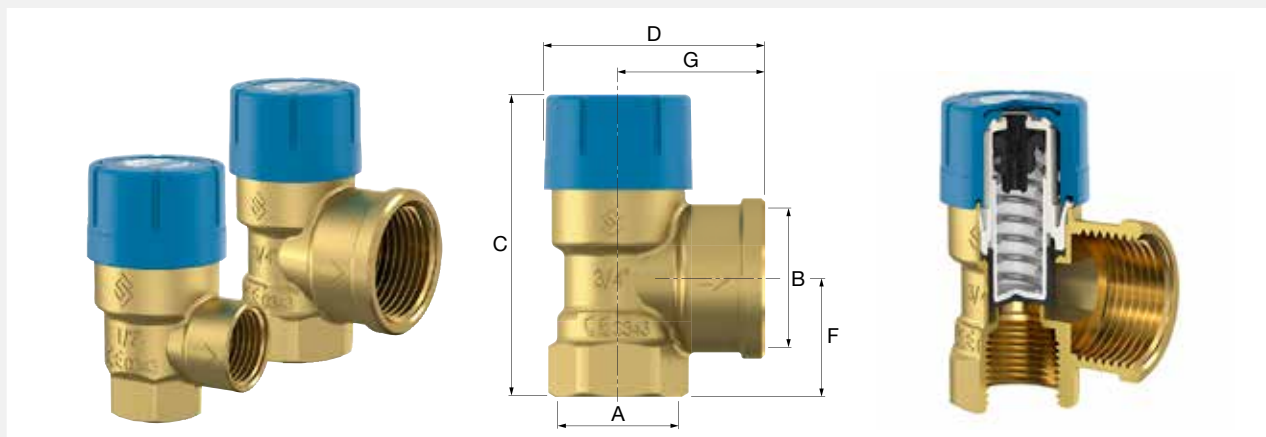
The seating of Prescor boiler valves is designed so that it not only makes a perfect seal but can also achieve a large blow-off capacity. The hardness of the rubber is adapted according to the set pressure of the safety valve. Due to this combination of a specifically designed seating and special rubber it is possible to achieve optimum safety.


- Wide range so that the correct valve can be selected appropriate to the application.
- Can be used in combination with any storage boiler system.
- Because of the "pop" effect these valves have a high blow-off capacity.
- Solid brass housing.
- Valve seat with silicon free rubber seal.
- Anti-ageing steel spring maintains the set pressure accurately.
- With silicon free diaphragm that prevents moisture and dirt from getting into the moving parts.
- Construction and choice of materials are your guarantee of accuracy and safety.

- In accordance with PED 2014/68/EU and EN 12516-3.

### Prescor B

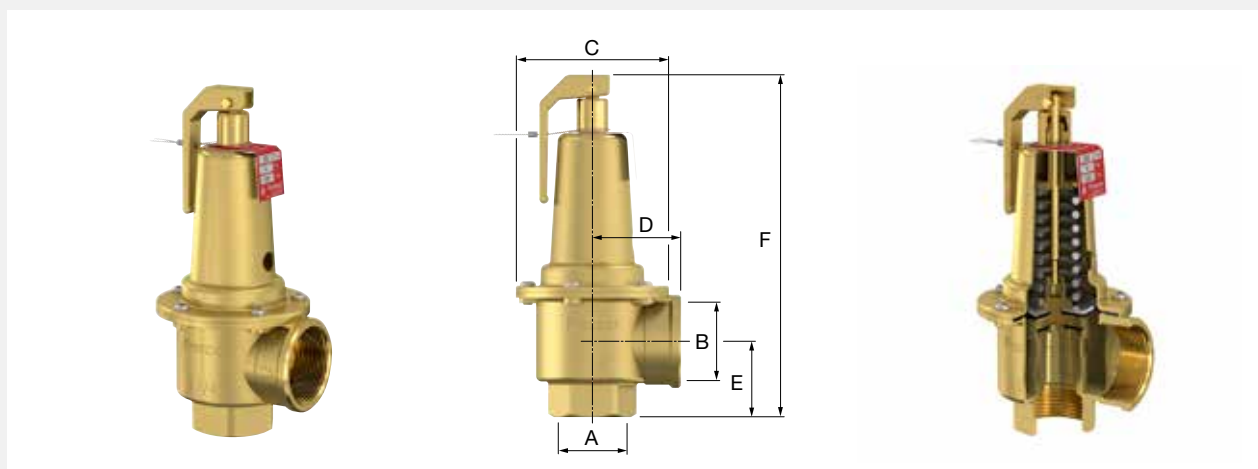
- Minimum/Maximum working temperature: 0 °C / 95 °C.
- Peak load: 140 °C.




Type	Set pressure [bar]	Connection		Dimensions				Capacity [kW]		Order Code
		A	B	C [mm]	D [mm]	F [mm]	G [mm]			
<b>Prescor B 1/2</b>	6.0	Rp 1/2"	Rp 1/2"	68.7	47.2	21.5	28.5	75	50	27100
<b>Prescor B 1/2</b>	7.0	Rp 1/2"	Rp 1/2"	68.7	47.2	21.5	28.5	75	50	27103
<b>Prescor B 1/2</b>	8.0	Rp 1/2"	Rp 1/2"	68.7	47.2	21.5	28.5	75	50	27101
<b>Prescor B 1/2</b>	10.0	Rp 1/2"	Rp 1/2"	68.7	47.2	21.5	28.5	75	50	27102
<b>Prescor B 3/4</b>	6.0	Rp 3/4"	Rp 1"	76.8	55.2	29.5	36.5	150	40	27110
<b>Prescor B 3/4</b>	7.0	Rp 3/4"	Rp 3/4"	70.9	49.2	23.5	30.5	150	40	28233
<b>Prescor B 3/4</b>	8.0	Rp 3/4"	Rp 1"	76.8	55.2	29.5	36.5	150	40	27111
<b>Prescor B 3/4</b>	10.0	Rp 3/4"	Rp 1"	76.8	55.2	29.5	36.5	150	40	27112
<b>Prescor B 1</b>	6.0	Rp 1"	Rp 1 1/4"	100.5	73.2	36.0	47.0	250	16	29005
<b>Prescor B 1</b>	7.0	Rp 1"	Rp 1 1/4"	100.5	73.2	36.0	47.0	250	16	28993
<b>Prescor B 1</b>	8.0	Rp 1"	Rp 1 1/4"	100.5	73.2	36.0	47.0	250	16	29006
<b>Prescor B 1</b>	10.0	Rp 1"	Rp 1 1/4"	100.5	73.2	36.0	47.0	250	16	29007
<b>Prescor B 1/2 M x K 15</b>	6.0	R 1/2"	K 15	81.2	60.5	37.0	42.0	75	40	28283
<b>Prescor B 1/2 M x K 15</b>	9.0	R 1/2"	K 15	81.2	60.5	37.0	42.0	75	40	28281
<b>Prescor B 1/2 M x K 15</b>	10.0	R 1/2"	K 15	81.2	60.5	37.0	42.0	75	40	28282

## Prescor SB

- Minimum/Maximum working temperature: 0 °C / 95 °C.
- Peak load: 140 °C.



Type	Set pressure [bar]	Connection		Dimensions				Capacity [kW]		Order Code
		A	B	C [mm]	D [mm]	E [mm]	F [mm]			
<b>Prescor SB 1 1/4</b>	6.0	G 1 1/4" F	G 1 1/2" F	95	55	47	213	350	1	29008
<b>Prescor SB 1 1/4</b>	8.0	G 1 1/4" F	G 1 1/2" F	95	55	47	213	350	1	29009
<b>Prescor SB 1 1/4</b>	10.0	G 1 1/4" F	G 1 1/2" F	95	55	47	213	350	1	29010
<b>Prescor SB 1 1/2</b>	6.0	G 1 1/2" F	G 2" F	95	60	47	220	600	1	29011
<b>Prescor SB 1 1/2</b>	8.0	G 1 1/2" F	G 2" F	95	60	47	220	600	1	29012
<b>Prescor SB 1 1/2</b>	10.0	G 1 1/2" F	G 2" F	95	60	47	220	600	1	29013
<b>Prescor SB 2</b>	6.0	G 2" F	G 2 1/2" F	95	80	61	278	900	1	29015
<b>Prescor SB 2</b>	8.0	G 2" F	G 2 1/2" F	95	80	61	278	900	1	29016
<b>Prescor SB 2</b>	10.0	G 2" F	G 2 1/2" F	95	80	61	278	900	1	29017

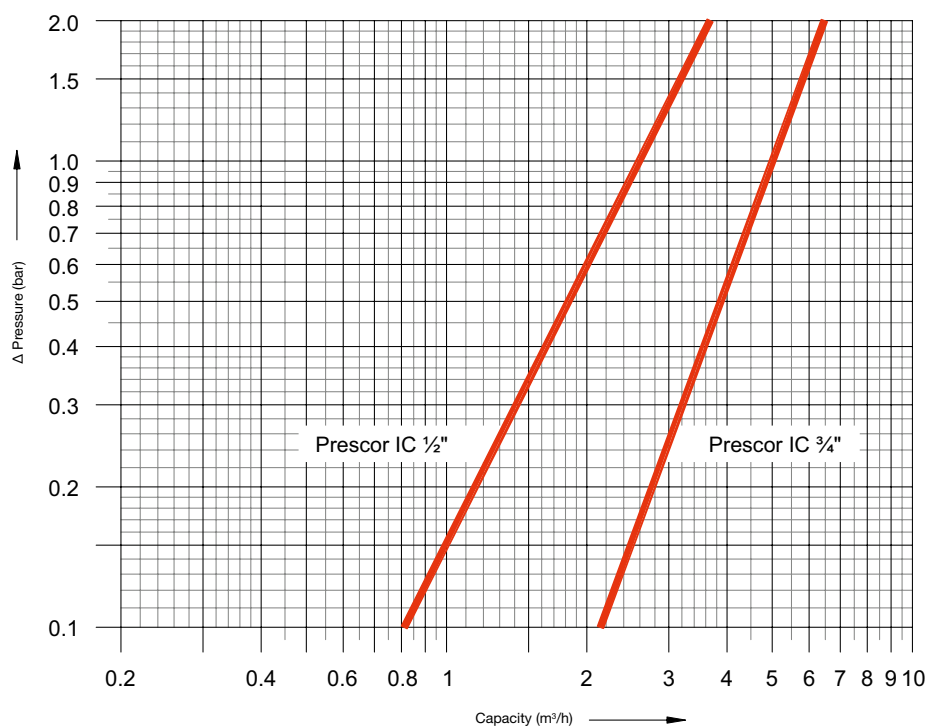


## SAFETY GROUPS

For protecting the potable water system from excess pressure during the heating cycle.  
The non-return valve will prevent the water (e.g. from a water heater) from flowing back into the mains water pipe.

- Suitable for all kinds of heated water preparation devices and storage apparatus.
- With ball valve for easy, quick and safe opening and closing.
- The funnel can be rotated up to 360°. Hence it can be fitted in almost any position.
- Large flow-through capacity and therefore hardly any pressure drop over the safety group.
- Very compact and therefore recommended for the most modern built-in devices.


### Prescor IC - Pressure loss diagram



### Prescor IC




- Prescor IC 1/2": With coupling set for the funnel.
- In accordance with European standard EN-1488.
- Minimum/Maximum working temperature: -10 °C / 95 °C.
- Peak load: 140 °C.
- Main Body: Brass.
- Guidance bus: PBTP GF30.
- Spring: Stainless steel (DIN 17224).

Type	For storage vessels up to [l]	Set pressure [bar]	Sound class	Connection (compression) [mm]		Order Code
<b>Prescor IC 1/2</b>	200	8	I	15 x 15 x 22	20	27173
<b>Prescor IC 3/4</b>	1000	8	II	22 x 22 x 28	20	27190

## Flexbrane

- With air gap rendering a separate funnel unnecessary.
- In accordance with European standard EN-1487.
- Nickel plated outside body.
- Minimum/Maximum working temperature: 0 °C / 95 °C.
- Peak load: 140 °C.



Type	Set pressure [bar]	Connection		Order Code
<b>Flexbrane CE 1/2</b>	7	1/2" M (with nipple) x 3/4" M x 1" M.	1	27170
<b>Flexbrane CE 3/4</b>	7	3/4" F x 3/4" M x 1" M	1	27171
<b>Connection kit 1 1/4 (for twinning of 2 GS 1)</b>		1 1/4" x 1	1	28385
<b>Flexbrane CE-H 3/4 hor.</b>	7	3/4" F x 3/4" M x 1" M	1	28388
<b>Flexbrane CE 2000 3/4 vert. NF - ACS</b>	7	3/4" F x 3/4" M x 1" M	20	28350
<b>Flexbrane NF - ACS</b>	7	3/4" F x 3/4" M x 1" M	20	28360
<b>Flexbrane SST NF - ACS</b>	7	3/4" F x 3/4" M x 1" M	1	28365
<b>Flexbrane CF 1 hor.</b>	7	1" F x 1" M x 1" M	1	28387
<b>Dielectric connector 3/4 MF</b>	7	3/4"	1	27805



## Siphon Flexbrane CE



Type	Set pressure [bar]	Connection		Order Code
<b>Plastic siphon for CE and connection piece</b>	7	1" x 1"	1	27184



## PRESCOR T&P VALVE

The Prescor T&P temperature and pressure relief valves control and limit the temperature and pressure of the hot water contained in a domestic water heater or storage vessel and prevent it from being able to reach temperatures that are too high. On reaching the settings, the valve discharges a sufficient amount of water into the atmosphere so that the temperature and pressure return within the system's operating limits.

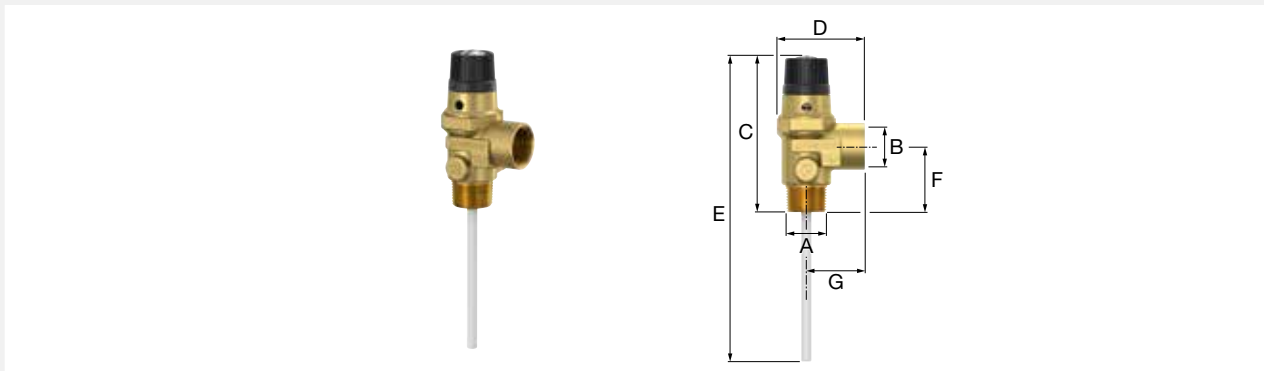
The valve opens the outlet on reaching the settings for:


- **Temperature:** the thermostat compound inside the temperature sensor, submerged in the hot water storage heater, expands as the temperature increases. This expansion causes a thrust pin to move and act on the obturator, opening the valve.
- **Pressure:** The obturator, opposed by a set spring, raises on reaching the pressure setting and opens the outlet completely. The pressure setting is chosen according to the maximum permissible pressure in the system.

As the temperature and pressure decrease, the opposite action occurs with the valve subsequently reclosing within the set tolerances.

### Prescor T&P

- Opening temperature: 89 °C / 96 °C.
- Minimum/Maximum working temperature: -10 °C / 120 °C.
- Peak load: 140 °C.



Type	Set pressure [bar]	Connection		Dimensions					Heating capacity [kW]		Order Code
		A	B	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]			
<b>Prescor T&amp;P - 3.5 bar</b>	3.5	22 mm	22 mm	110		198	51	47	23	1	27135
<b>Prescor T&amp;P - 7 bar</b>	7.0	R 3/4"	G 3/4" M	101		198	42	38	23	1	27146




## PRESSURE REDUCING VALVES

### Reduflex



Suitable for hot water, cold water and compressed air.

- With captive nut.
- Maximum working pressure: 16 bar.
- Maximum working temperature: 80 °C.

Type	Connection		Order Code
<b>Reduflex adjustable 3/4</b>	3/4" M x 3/4" F	1	28279



## FLAMCOMIX

To efficiently store as much heat as possible the water temperature in a boiler or combo-vessel is higher than 60 °C. At this temperature level, there is a risk of scalding within a few seconds. To prevent this, a thermostatic mixing valve is used between the vessel and the draw-off point or several draw-off points. The Flamcomix limits the maximum output temperature of the draw-off points. This permits the input temperature to be maintained at a high level thus preventing the growth of Legionella bacteria. The output temperature can be set to a safe and comfortable level. Inclusion of a Flamcomix valve will improve safety in the hot water system. In addition, the comfort of the system is increased by the constant output temperature. Furthermore, you avoid wasting water by an immediate supply of water at the correct temperature.

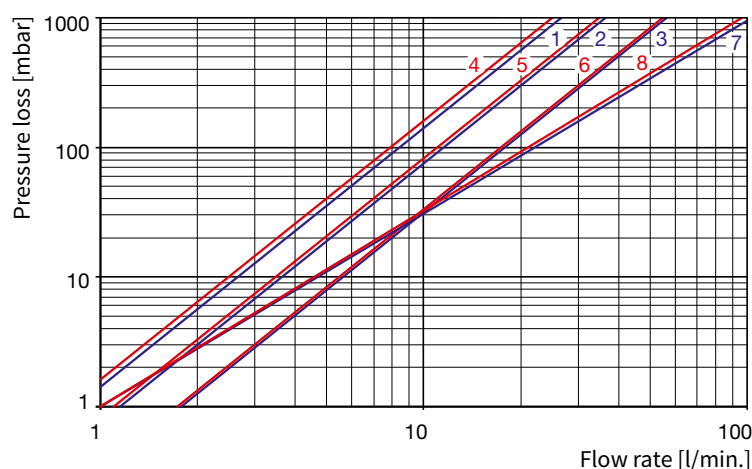


5

### Flamcomix main advantages

- **Stable output**  
The output temperature is maximum  $\pm 3$  °C of the set temperature. This way the Flamcomix is very capable of absorbing sudden temperature fluctuations.
- **No calcification**  
Lime cannot attach to the synthetic internal parts and the PTFE coating. This way calcification is prevented (only in the standard series).
- **Setting accuracy**  
The multi-turn setting control permits fine adjustment of output temperature.
- **Locking cap**  
The locking cap prevents accidental adjustment of the output temperature.
- **Little pressure resistance**  
Minimal pressure drop is achieved by the optimised design of the internal parts and the back-flow preventor that was developed especially for this purpose.

### Flamcomix - Pressure loss diagram

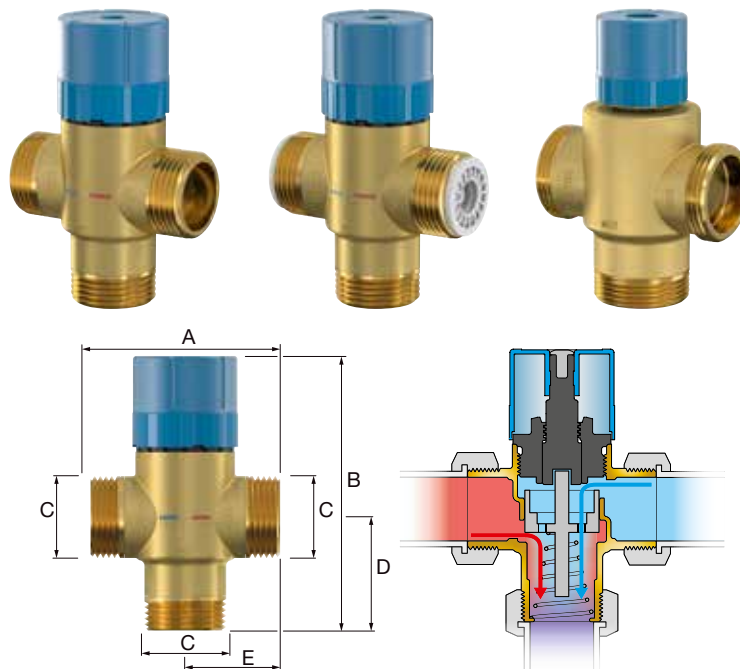



Reference	DN	K <sub>vs</sub> [m³/h]	V [l/min]	Back-flow safeguard
1	15	1.6	26	-
2	20	2.2	36	-
3	25	3.4	56	-
4	15	1.5	25	✓
5	20	2.1	35	✓
6	25	3.3	55	✓
7 (HC)	25	6.1	102	-
8 (HC)	25	5.9	102	✓

## Flamcomix Mixing Valve

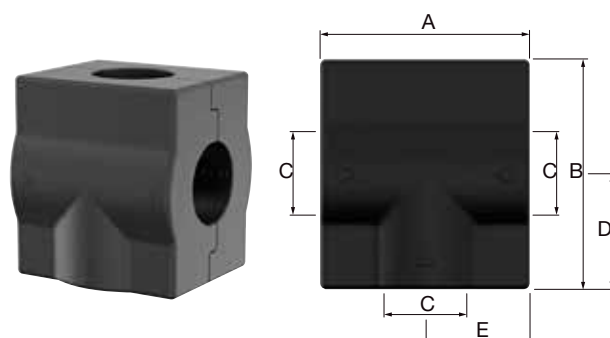
For application with potable water according to Guideline 98/83/EG.


- Maximum operating temperature: 100 °C (including back-flow safeguard 90 °C).
- Operating pressure range: 0.5 - 10 bar.
- Maximum working pressure (dynamic): 0.5 - 5 bar.
- Maximum pressure differential of hot / cold supply: 2 bar.
- For a stable output temperature:  $\pm 3$  °C (cold water) and  $\pm 15$  °C (hot water).
- Noise category: 2.
- Installation position: any position.
- Housing: non-dezincifiable brass.
- Internal parts: high quality synthetics.
- Seals: EPDM.
- Spring: stainless steel.
- Brass housing with anti-lime coating (PTFE).



Type	DN (syst.)	Con- nec- tion (C)	Adjustable temperature range [°C]	Back flow preventer	Dimensions					Order Code
					A [mm]	B [mm]	D [mm]	E [mm]		
<b>Flamcomix 45-65 FS DN15</b>	DN15	3/4"	45 - 65	no	76.0	max. 122	46	38.00	1	28770
<b>Flamcomix 45-65 FS DN20</b>	DN20	1"	45 - 65	no	77.0	max. 122	46	38.50	1	28771
<b>Flamcomix 45-65 FS DN25</b>	DN25	1 1/4"	45 - 65	no	77.0	max. 122	46	38.50	1	28772
<b>Flamcomix 35-70 FS DN15</b>	DN15	3/4"	35 - 70	no	76.0	max. 122	46	38.00	1	28773
<b>Flamcomix 35-70 FS DN20</b>	DN20	1"	35 - 70	no	77.0	max. 122	46	38.50	1	28774
<b>Flamcomix 35-70 FS DN25</b>	DN25	1 1/4"	35 - 70	no	77.0	max. 122	46	38.50	1	28775
<b>Flamcomix 35-70 FS BFP DN15</b>	DN15	3/4"	35 - 70	yes	78.5	max. 122	46	39.25	1	28776
<b>Flamcomix 35-70 FS BFP DN20</b>	DN20	1"	35 - 70	yes	79.5	max. 122	46	39.75	1	28777
<b>Flamcomix 35-70 FS BFP DN25</b>	DN25	1 1/4"	35 - 70	yes	79.5	max. 122	46	39.75	1	28778
<b>Flamcomix 20-70 HC DN25</b>	DN25	1 1/4"	20 - 70	no	85.0	max. 134	51.4	42.50	1	28780

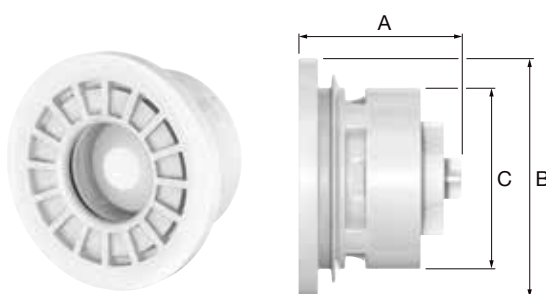
## Flamcomix Insulation box




Type	Dimensions						Order Code
	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]		
<b>Flamcomix insulation box DN15</b>	98	109	35	59	50	1	28790
<b>Flamcomix insulation box DN20</b>	98	109	43	59	50	1	28791
<b>Flamcomix insulation box DN25</b>	98	109	50	59	50	1	28792
<b>Flamcomix HC insulation box DN25</b>	98	109	50	59	50	1	28789

## Flamcomix Backflow Preventer set

Available as Flamcomix with integrated check valve or Flamcomix and check valve as separate components. The check valves are specifically designed for use in a Flamcomix thermostatic mixing valve. This results in a very low pressure drop.



Type	Dimensions				Order Code
	A [mm]	B [mm]	C [mm]		
<b>Flamcomix Backflow preventer set DN15</b>	18.10	24.1	20.65	2	28793
<b>Flamcomix Backflow preventer set DN20</b>	20.55	30.1	26.15	2	28794
<b>Flamcomix Backflow preventer set DN25</b>	20.55	38.6	32.65	2	28795
<b>Flamcomix HC Backflow preventer set DN25</b>	20.55	38.6	32.65	2	28787




### Flamcomix Connections set



Type		Order Code
Flamcomix Connections set $\frac{3}{4}$ " x $\frac{1}{2}$ " (3x)	1	28796
Flamcomix Connections set 1" x $\frac{1}{2}$ " (3x)	1	28797
Flamcomix Connections set 1" x $\frac{3}{4}$ " (3x)	1	28798
Flamcomix Connections set 1 $\frac{1}{4}$ " x 1" (3x)	1	28799

### Flamcomix Precision Thermometer



Type		Order Code
Precision Thermometer	1	28788

## AIRFIXCONTROL

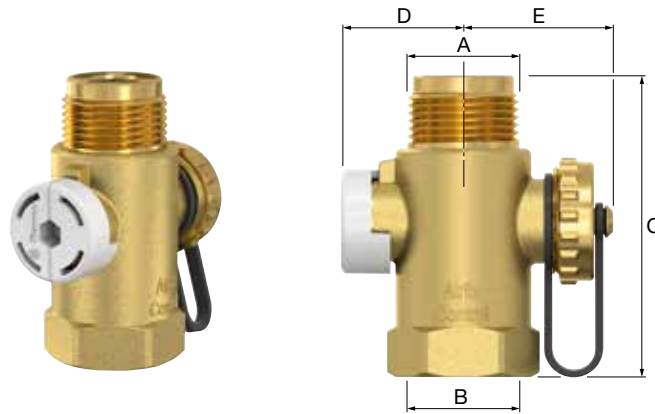
With this component the flushing function is fully guaranteed. When the vessel is disconnected from the system the system flow remains in function.


AirfixControl enables an easy yearly precharge check of the Airfix A or D expansion vessel.

- For contact with potable water this isolator consists of materials approved by the relevant authorities.
- Integrated vessel draining facility for yearly pre-charge check without vessel removal.
- In closed position the flow remains intact and system remains pressurized.

### AirfixControl

- Maximum water temperature: 70 °C.
- Maximum operating pressure: 10 bar.



Type	Connections		Dimensions			Weight [kg]		Order Code
	A	B	C [mm]	D [mm]	E [mm]			
AirfixControl	G $\frac{3}{4}$ " M	G $\frac{3}{4}$ " F	71	29	34	0.24	1	28930

**DIN**  
4807-5

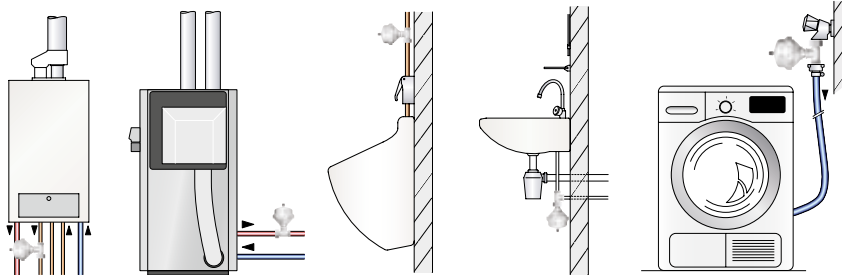


## FLEXOFIT S WATER SHOCK ARRESTOR

Flexofit S absorbs water hammer in order to minimize noise and damage to the system.

A water hammer arrestor absorbs the wave of pressure before it can develop into water hammer. The Flexofit does this by having two areas that are separated by a rubber diaphragm. On one side, there is a gas cushion under pressure, while the other side is connected to the system. The gas cushion compresses and absorbs the wave of pressure.

- Capacity : 160 cm<sup>3</sup>.
- Solid brass, chromium plated housing.
- Membrane: butyl rubber.
- Maximum working pressure: 10.0 bar (peak load: 40.0 bar).
- Maximum working temperature: 90 °C.



### Flexofit S - Selection table

Based on a flow rate of 3 m/s.

System pressure [bar]		2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7
Ø Pipe	Max. pipe length up to the 1st bend [m]	Number of Flexofit S water hammer arrestors to be fitted										
1/2" (15 mm)	15	1	1	1	1	1	1	1	2	2	2	2
	20	1	1	1	1	1	2	2	2	2	-	-
	30	1	1	2	2	2	2	2	2	-	-	-
3/4" (22 mm)	7.5	1	1	1	1	1	1	1	2	2	2	2
	15	1	1	2	2	2	2	2	-	-	-	-
	20	2	2	2	2	2	-	-	-	-	-	-
1" (28 mm)	7.5	1	1	1	1	1	2	2	2	2	-	-
	15	2	2	2	2	2	-	-	-	-	-	-
	20	2	-	-	-	-	-	-	-	-	-	-
1 1/4" (35 mm)	7.5	2	2	2	2	2	2	-	-	-	-	-

### Flexofit S



kiwa

Type	Pre-charge [bar]	Dimensions		Connection		Order Code
		Ø [mm]	H. [mm]			
Flexofit S 1/2	2	83	102	R 1/2"	20	24980
Flexofit S 1/2 with T-fitting	2	83	130	G 3/4" F x G 3/4" M	20	24989

### Flexofit S T-fitting



For mounting Flexofit water hammer arrestors quickly and easily between the tap and the washing machine or dish-washer.

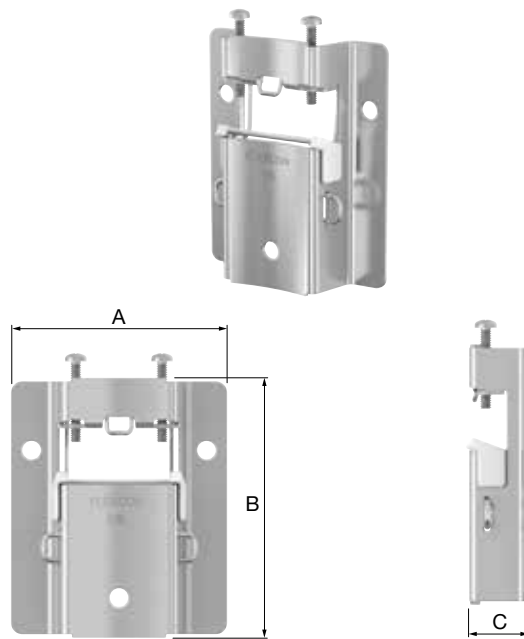
Type	Connection		Order Code
T-fitting Flexofit S	G 3/4" F x G 1/2" F x G 3/4" M	1	24985


## WALL MOUNTING

### MB

For mounting Flexcon/Airfix vessels of 8 - 25 litres. Provided with a slot into which the Flexcon vessel clamp ring fits precisely. Tightening the two bolts is all that is needed to make a sturdy connection.

- Material: DC01 A-m, zinc coated.
- Connection to the wall with two Ø8 plugs and two Ø6 screws with hexagon head (wrench 10).
- Connection of the vessel to the MB by means of two M5 bolts with cross head.
- Separately available are sets of 5 bands for connection vessels without clench ring (size approx. Ø 325 mm).
- **MB 3: With spring and adapter for easy mounting.**




Type	Dimensions				Order Code
	A [mm]	B [mm]	C [mm]		
Flexcon vessel support MB 2	94	113	26	25	27913
Flexcon vessel support MB 3	94	113	26	25	27903

### SB-A Band

For mounting an Airfix P expansion vessel (2 - 35 litres) to the wall.



Type	Application		Order Code
SB-A	Band for fitting Airfix P vessels, to be combined with MB 2	5	27914

## ACCESSORIES FOR THE INSTALLER

5

### Flexcon DT

An easy tool to assist with mounting and removing Flexcon and Airfix expansion vessels of 2 - 25 litres.

By tightening the wing nut, the Flexcon DT is attached to the expansion vessel clamp ring. Thereafter, the expansion vessel can be unscrewed with a lateral movement.



Type	Application	Dimensions A [mm]		Order Code
Flexcon DT	Flexcon/Airfix 2 - 25	350	1	27925

### Vessel Carrier



A handy vessel carrier which makes it very easy and safe to handle or transport the exchanged vessel.


- Easy to use.
- Prevents spilling of (polluted) heating installation water in your transporter or at home with the customer.
- The vessel can be handled with one hand only.
- Easy to be mounted and removed (for multiple use).

Type	Connection	Application		Order Code
Vessel carrier	G 3/4" F	Flexcon/Airfix 2 - 25	1	27902

### Precharge Pressure Tester



Tool to check the pre-charge pressure of Flexcon and Airfix expansion vessels.

Type	Pressure range [bar]		Order Code
Precharge tester (0.15 - 7.0 bar)	0.15 - 7.0	1	27907