



HVAC components for domestic housing development





Dear Partner

We, the Flamco Group, specialise in the development, production and sale of high quality components for heating, cooling and solar systems. We are one of the global players in the market: with twelve offices and several production facilities around the world, we supply innovative solutions for both residential and commercial buildings as well as sustainable energy solutions to customers in more than 70 countries around the world.

Our product range includes expansion vessels, air and dirt separators, safety valves, fittings for solar systems, pipe clamps and mounting rails, water heaters as well as pressurisation systems for heating and cooling installations – all of which are developed paying regard to user-friendliness, energy efficiency and sustainability.

For us, however, quality goes further than just our products. The service we provide with our technical assistance and logistics is just as important to our understanding of quality. Furthermore, the excellent interaction with the market participants – endusers, installers, specifiers and wholesalers – and ongoing product innovation is the basis for our endeavour to remain ahead of the competition.

The Flamco Group is part of the Dutch technology concern Aalberts Industries N. V. Flamco is an internationally active group concentrating on technical products in the field of heating, cooling and solar systems. Together with our sister companies Meibes and Simplex we cover a broad spectrum of innovative building technology systems. The synergy effects of this strong coalition make us your competent partner when total solutions are desired – complete from the source to the emitter.



Maarten van de Veen
 CEO Climate Control



Customer Solutions



Energy Efficiency



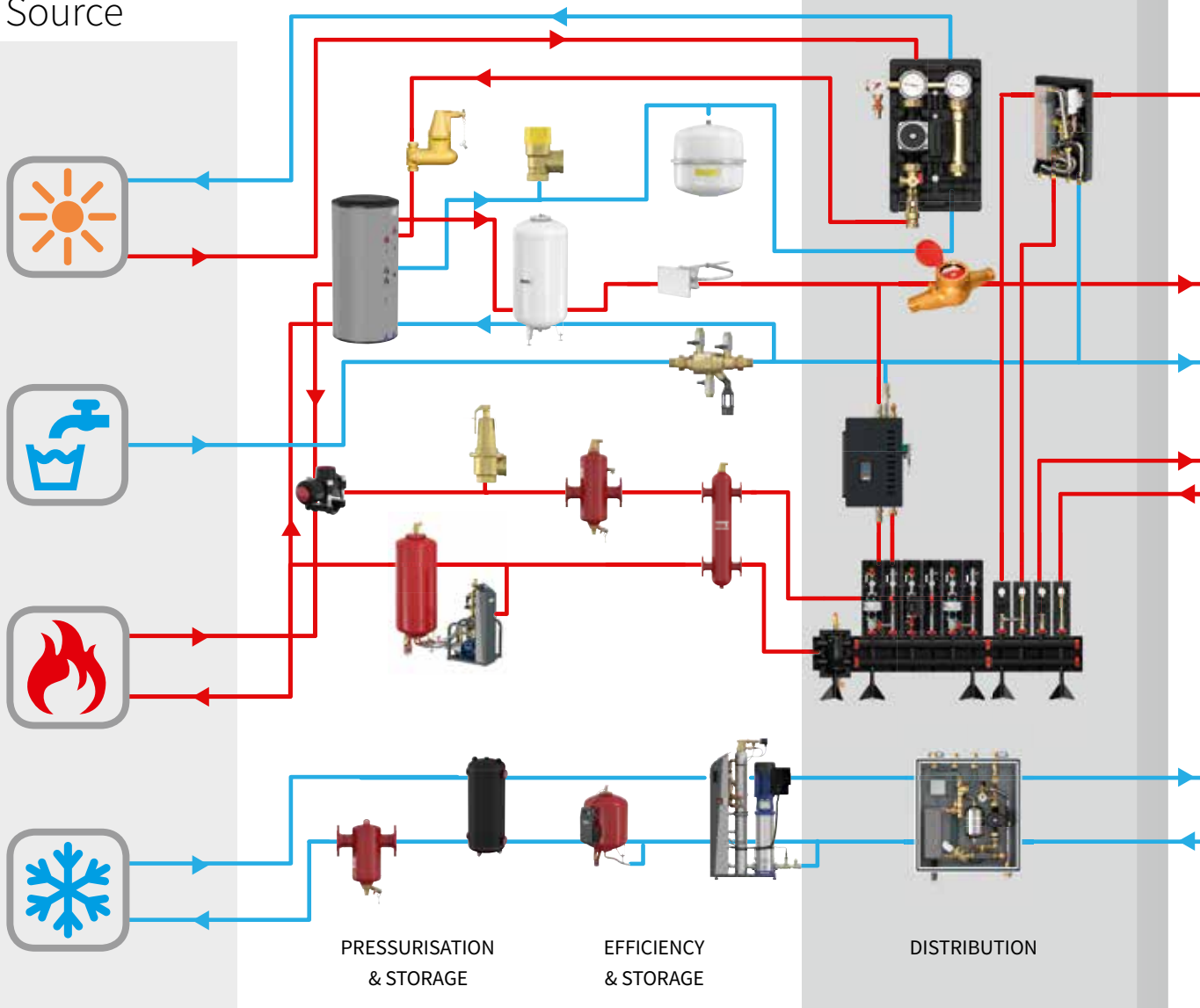
Customer Service

Hydronic Flow Control

From Source

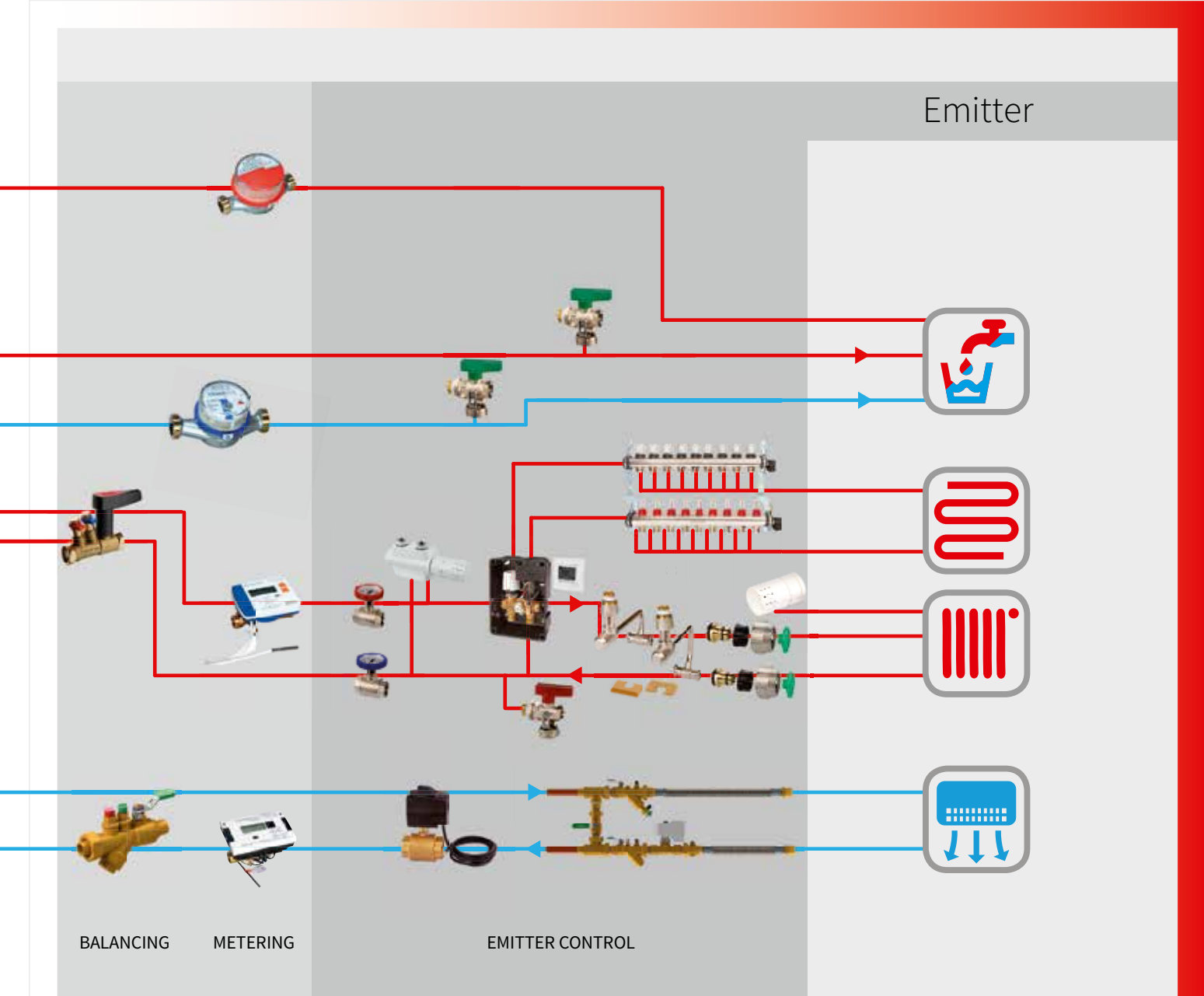
BOILER ROOM

Source



to Emitter

HEAT & COOLING DISTRIBUTION



System components for Building Technology

Meibes' core competence is the development of quality products for heating systems that meet the latest energy and efficiency standards. The pioneer in the market for quick mounting units offers pre-assembled sets which bring more convenience to setting up these systems worldwide.



Innovative developments

Pre-assembled sets

*More convenience in
installing systems*



Solutions for heating components and systems

Simplex develops, produces and distributes intelligent solutions and systems for the heating and sanitary industry – "Made in Germany" and far beyond the German market. Thanks to intensive market observation, the latest production technologies and a well thought-out selection of materials, the company is constantly setting new product and performance standards.



Solutions for heating components and systems

Innovative problem solvers

Quality "Made in Germany"

System components for Heating, Cooling & Potable Water Installations

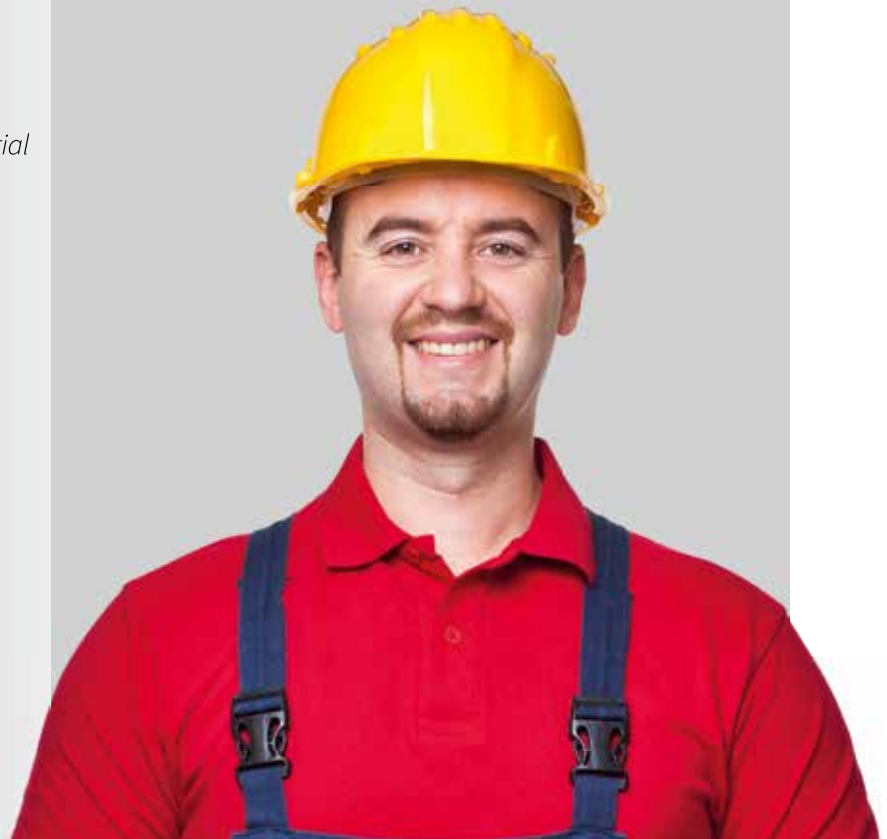
The Flamco Group specialises in the development, production and sale of high-quality components for heating, ventilation and cooling systems. Whether it be systems for pressure maintaining, fittings for solar systems, safety valves or pipe clamps and mounting rails – all products are engineered to meet the highest standards in user-friendliness, energy efficiency and sustainability.



*Components for heating,
ventilation and cooling systems*

*Innovative solutions for residential
and commercial buildings*

*Sustainable energy in over
70 countries*



Highlights

Expansion and pressurisation automats

- For heating and cooling installations
- Balance the system pressure using highly efficient vessel design and control equipment
- Either pump or compressor operated
- Automatic expansion control, pressurisation, de-aeration and make-up for sealed systems



Air & dirt separation equipment

- Technology to extract air and solid particles from the water
- Efficient and automatic air vents, air separators, vacuum degassers and dirt separators
- Less noise emission and longer service life
- For domestic environment as well as commercial installations

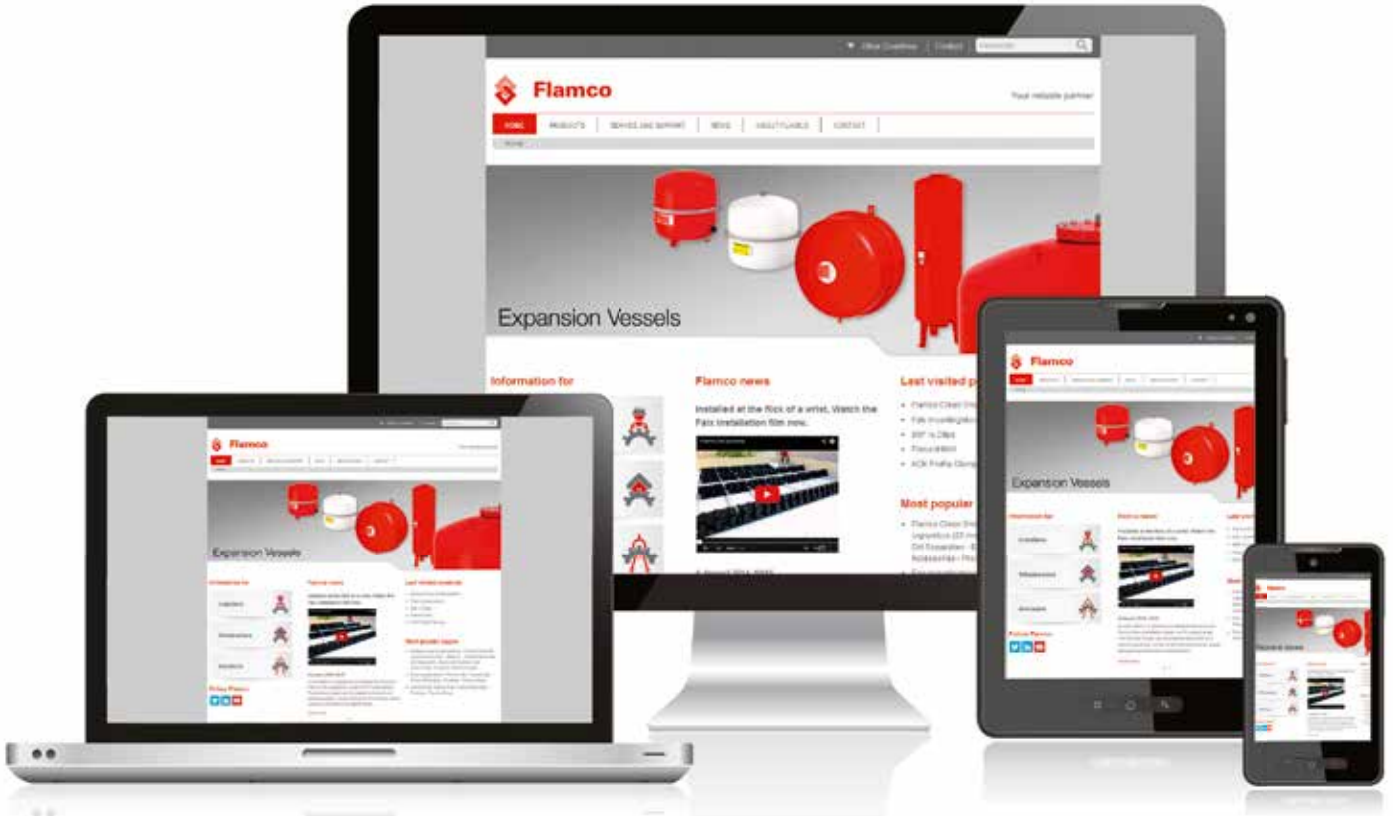


Water heaters & Buffer vessels

- Indirectly heated and upright water heaters
- With up to two permanently welded-in heating coils
- Suitable for all modern heating systems
- Special construction for combinations with solar systems available
- Buffer vessels for closed heating or cooling installations



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System Components for Heating, Cooling and Potable Water Installations

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Flexcon Expansion Vessels

1

1

Flamco produces a comprehensive range of diaphragm expansion vessels. Both the steel vessel and the diaphragm are of the highest quality. They are compliant with all prevailing European standards and carry the CE mark of conformity. Flamco vessels are available for both potable, chilled and heated water systems in sizes ranging from 2 litres up to 8,000 litres.

FLEXCON TOP


High pressure alternative for use in sealed heating installations (acc. to EN12828) and chilled water (cooling) installations.

- Diaphragm: butyl rubber.
- Suitable for addition of glycol-based anti-freeze up to 50%.
- Vessels in accordance with EN13831.
- Suitable for systems with a maximum flow temperature of 120 °C.
- Maximum temperature diaphragm: 90 °C.
- In accordance with Pressure Equipment Directive 2014/68/EU.

Flexcon Top 2 - 80

- Deep drawn steel vessel halves with zinc plated steel clench ring.
- Maximum working pressure: 6.0 bar.
- Red (RAL 3002) epoxy powder coating.
- Flexcon Top 35 - 80: With feet and including mounting kit.



Type	Capacity [l]	Pre-charge [bar]	Dimensions				Syst. conn. (E)	Weight [kg]		Order Code
			A [mm]	B [mm]	Ø C [mm]	D [mm]				
Flexcon Top 2	2	0.5	216	144	-	-	R 3/4"	1.7	120	13202
Flexcon Top 4	4	0.5	216	192	-	-	R 3/4"	2.1	90	13404
Flexcon Top 8	8	0.5	245	277	-	-	R 3/4"	3.2	50	16008
Flexcon Top 12	12	0.5	286	309	-	-	R 3/4"	4.5	36	16012
Flexcon Top 18	18	0.5	328	323	-	-	R 3/4"	5.7	24	16018
Flexcon Top 25	25	0.5	358	356	-	-	R 3/4"	7.3	24	16025
Flexcon Top 35	35	0.5	396	435	263	118	R 3/4"	8.1	18	16035

* Specify pre-charge pressure when ordering.



FLEXCON SOLAR


Expansion vessels specially designed for solar powered installations (acc. to EN12828).

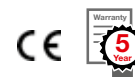
- Diaphragm: butyl rubber.
- Suitable for addition of glycol-based anti-freeze up to 50%.
- Vessels in accordance with EN13831.
- Suitable for systems with a maximum flow temperature of 120 °C.
- Maximum temperature diaphragm: 110 °C.
- In accordance with Pressure Equipment Directive 2014/68/EU.

Flexcon Solar 8 - 80

- Deep drawn steel vessel halves with zinc plated steel clench ring.
- Maximum working pressure: 8.0 bar.
- White (RAL 9010) epoxy powder coating.
- Flexcon Solar 35 - 80: With feet and including mounting kit.



Type	Capacity [l]	Pre-charge [bar]	Dimensions				Syst. conn. (E)	Weight [kg]		Order Code
			A [mm]	B [mm]	Ø C [mm]	D [mm]				
Flexcon Solar 8	8	2.5	245	277	-	-	R 3/4"	3.2	50	16060
Flexcon Solar 12	12	2.5	286	309	-	-	R 3/4"	4.5	36	16061
Flexcon Solar 18	18	2.5	328	323	-	-	R 3/4"	5.7	24	16062
Flexcon Solar 25	25	2.5	358	356	-	-	R 3/4"	7.3	18	16063
Flexcon Solar 35	35	2.5	396	435	263	118	R 3/4"	8.1	18	16064
Flexcon Solar 50	50	2.5	437	493	263	134	R 3/4"	11.4	12	16065
Flexcon Solar 80	80	2.5	519	534	360	140	R 1"	15.0	12	16066



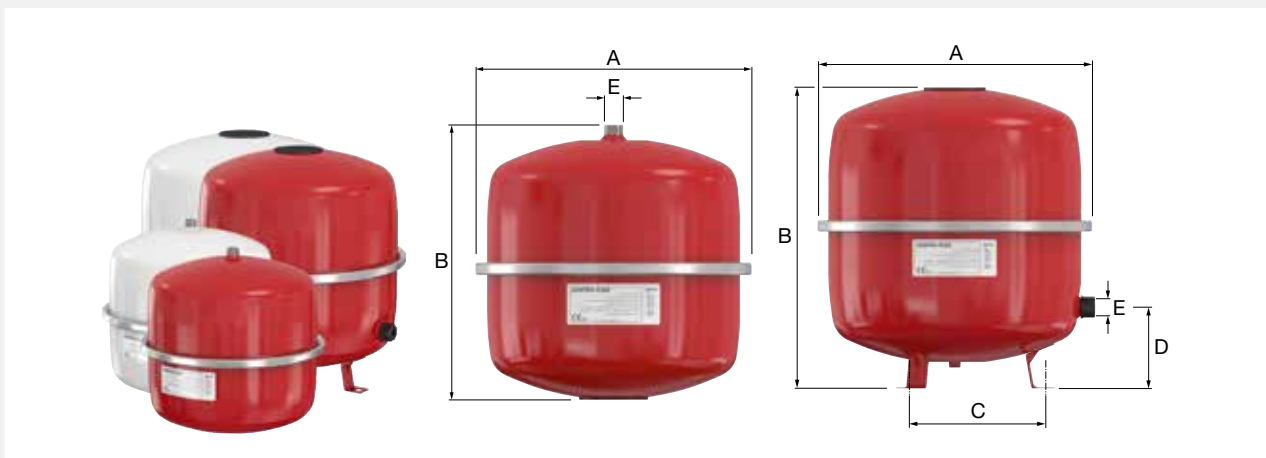
CONTRA-FLEX


For sealed heating installations (acc. to EN12828) and chilled water (cooling) installations.

- Suitable for addition of glycol-based anti-freeze up to 50%.
- Vessels in accordance with EN13831.
- Suitable for systems with a maximum flow temperature of 120 °C.
- Maximum temperature diaphragm: 70 °C.
- In accordance with Pressure Equipment Directive 2014/68/EU.

Contra-Flex 2 - 80

- Deep drawn steel vessel halves with zinc plated steel clench ring.
- Maximum working pressure: 3.0 or 6.0 bar.
- Red (RAL 3002) or white (RAL 9010) epoxy powder coating. **(Contra-Flex white: Not available on stock in the U.K.)**
- Contra-Flex 35 - 80: With feet.



Type	Capacity [l]	Pre-charge [bar]	Max. working pressure [bar]	Dimensions				Syst. conn. (E)	Weight [kg]		Order Code
				A [mm]	B [mm]	Ø C [mm]	D [mm]				
Contra-Flex 8	8	0.5	3.0	245	277	-	-	R 3/4"	2.2	50	26074
Contra-Flex 12	12	0.5	3.0	286	309	-	-	R 3/4"	2.7	36	26136
Contra-Flex 18	17	1.0	3.0	286	365	-	-	R 3/4"	3.3	48	26192
Contra-Flex 25	25	0.5	3.0	358	356	-	-	R 3/4"	4.5	18	26241
Contra-Flex 35	35	0.5	3.0	396	435	263	118	R 3/4"	5.6	18	26341



INSTALLATION PACKAGES

EXW BNL

1


Cubexpak Type A - 3.0 bar



CE

A most convenient package ensuring all the correct fittings are supplied with a Cubex expansion vessel. This results in a compact and neat assembly for a domestic sealed system. Cubexpaks are sized in the same way as standard expansion vessels.

- Fixed diaphragm.
- Maximum working pressure: 3.0 bar.
- Maximum temperature diaphragm: 70 °C.
- Cubexpak A includes:
 - Cubex expansion vessel and vessel manifold.
 - Prescomano combined safety valve and pressure gauge.
 - Double check valve with test point.
 - Flexible braided hose with quick fit connections and 'O' ring seal.
 - Stop valve for connection to water mains and isolation valve.
 - MB2 vessel mounting bracket with wall plugs and screws.
 - End caps for fitting on the exposed ends of the flexible hose when it is removed.
- Larger Cubexpaks available on request, not including MB2 mounting bracket e.g. 35, 50 and 80 l.
- Gas charge must be stated on order, e.g. Cubex 8/05 = 8 litre vessel with 0.5 bar(g) gas charge.
- Gas charge will determine the maximum working pressure. Other gas charges supplied to suit.


Type	Output [l]	Pre-charge [bar]	Dimensions		Syst. conn. (M)	Weight [kg]		Order Code
			Ø [mm]	H. [mm]				
Cubexpak A 8	8	0.5	245	412	15	3.4	1	16497
Cubexpak A 12	12	0.5	286	444	15	3.8	1	16499
Cubexpak A 18	18	0.5	328	436	15	4.9	1	16501
Cubexpak A 25	25	0.5	358	485	15	5.7	1	16503

Cubexpak Type B - 3.0 bar



CE

Similar to the Cubexpak Type A, but with the safety valve separately to allow for remote installation.


Type	Output [l]	Pre-charge [bar]	Dimensions		Syst. conn. (M)	Weight [kg]		Order Code
			Ø [mm]	H. [mm]				
Cubexpak B 8	8	0.5	245	364	15	3.4	1	16498
Cubexpak B 12	12	0.5	286	396	15	3.8	1	16500

Combi Repair Kit - 6.0 bar



An installation kit for the instant fitting of an expansion vessel to a central heating system. Consists of Flexcon expansion vessel, mounting bracket with fixings, vessel adaptor for hose, flexible hose and T-Plus coupling.

- Maximum working pressure: 6.0 bar.


Type	Output [l]	Gas Charge [bar]	System Connection	Dimensions		Dry weight [kg]		Order Code
				Ø [mm]	Height [mm]			
Combi Repair Kit 8	8	0.5	15	245	280	4.9	1	16513
Combi Repair Kit 8	8	0.5	22	245	280	4.9	1	16514
Combi Repair Kit 12	12	0.5	15	286	313	6.3	1	16515
Combi Repair Kit 12	12	0.5	22	286	313	6.3	1	16516

Vesselpak Type A - 6.0 bar



A convenient package ensuring all the correct fittings are supplied with a Flexcon expansion vessel. This results in a compact and neat assembly for a domestic sealed system. Vesselpaks are sized in the same way as standard expansion vessels.


- Fixed diaphragm.
- Maximum working pressure: 6.0 bar.
- Maximum temperature diaphragm: 70 °C.
- Vesselpak A includes:
 - Flexcon expansion vessel.
 - Vessel manifold.
 - Prescomano combined safety valve and pressure gauge.
 - Double check valve with test point.
 - Flexible braided hose with quick fit connections and 'O' ring seal.
 - Stop valve for connection to water mains and an isolation valve.
 - MB2 vessel mounting bracket with wall plugs and screws.
 - End caps for fitting on the exposed ends of the flexible hose when it is removed.
- Larger Vesselpaks available on request, not including MB2 mounting bracket e.g. 35 and 50 litre.
- Gas charge must be stated on order, e.g. Flexcon 2/05 = 2 litre vessel with 0.5 bar gas charge. Gas charge will determine the maximum working pressure. Other gas charges supplied to suit.

Type	Out-put [l]	Pre-charge [bar]	Dimensions		Syst. conn. (M)	Weight [kg]		Order Code
			Ø [mm]	Height [mm]				
Vesselpak A 8	8	0.5	245	388	15	4.4	1	16688
Vesselpak A 18	18	0.5	328	414	15	6.9	1	16692
Vesselpak A 25	25	0.5	358	467	15	8.5	1	16694
Vesselpak A 35	35	0.5	400	450	15	6.7	1	16696

Vesselpak Type B - 6.0 bar




Similar to the Vesselpak Type A, but with the safety valve separately to allow for remote installation.

Type	Out-put [l]	Pre-charge [bar]	Dimensions		Syst. conn. (M)	Weight [kg]		Order Code
			Ø [mm]	Height [mm]				
Vesselpak B 8	8	0.5	245	340	15	4.4	1	16689
Vesselpak B 12	12	0.5	286	373	15	5.5	1	16691
Vesselpak B 18	18	0.5	328	366	15	6.9	1	16693
Vesselpak B 25	25	0.5	358	419	15	8.5	1	16695

Vesselpak Component Sets



Type	System connection		Order Code
Vesselpak A component set	15	1	16697

Accessories for Heating and Cooling Installations

2

2



Flamco has a complete range of products for safeguarding chilled and heating systems. The various models of Flamco Prescor safety relief valves are used around the world to prevent overpressure in sealed systems. The FlexBalance and FlexBalance Plus are an excellent solution for preventing hydraulic imbalance in sealed systems. Pressure gauges and filling assemblies of various types are also available.

SAFETY VALVES

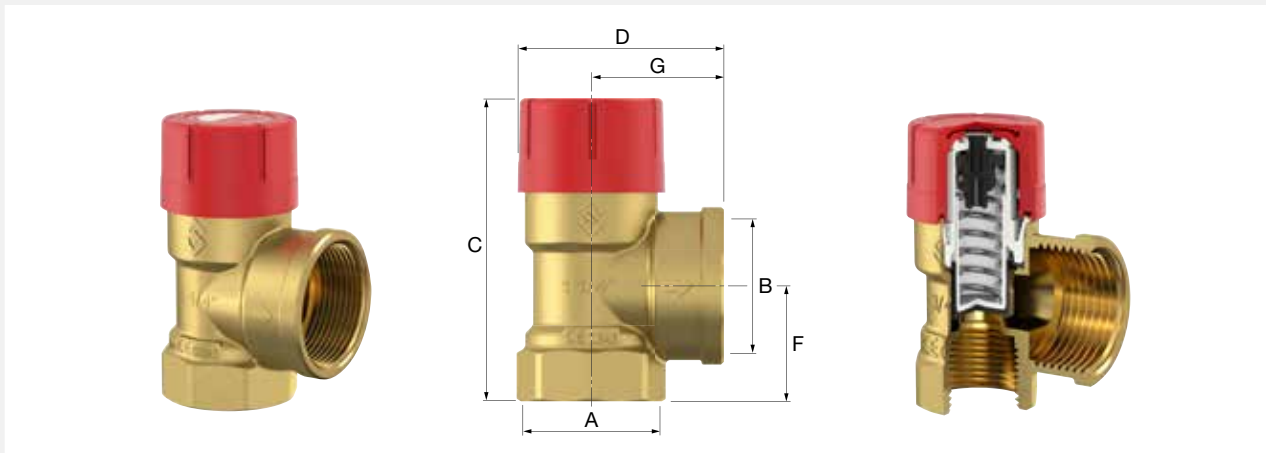
Prescor safety valves have a special shape which, not only achieves a perfect seal, but also provides a large blow off capacity. The valve seal is made of high quality rubber which is heat resistant to 140 °C and where the hardness of the rubber adjusts to the set pressure of the safety valve. In this way, the valve cannot stick to the seat.


All valves are tested before they leave our facility and are available for heating and cooling installations as well as for protection of various hot water storage appliances. For safety valves for potable water installations see "Accessories for Sanitary Installations".

Prescor

For sealed central heating and chilled water (cooling) installations. The valve opens when the pressure increases excessively.

- Specially designed pop action for full discharge at opening pressure to reduce the pressure quickly.
 - High quality materials and state-of-the-art design features guarantee a high degree of safety.
 - CE-conformity mark (PED 2014/68/EU), for application areas according to Pressure Equipment Directive.
 - The opening pressure of all valves is individually tested.
- Suitable for addition of glycol-based anti-freeze up to 50%.
 - 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]	F [mm]	G [mm]			
Prescor 1/2	3.0	Rp 1/2"	Rp 1/2"	68.7	47.2	21.5	28.5	125	50	27665
Prescor 1/2 M	3.0	R 1/2"	Rp 1/2"	81.2	47.2	19	28.5	125	50	27675
Prescor 3/4	3.0	Rp 3/4"	Rp 3/4"	70.9	49.2	23.5	30.5	165	50	27025
Prescor 1	3.0	Rp 1"	Rp 1 1/4"	100.5	73.2	36	47	395	16	27045

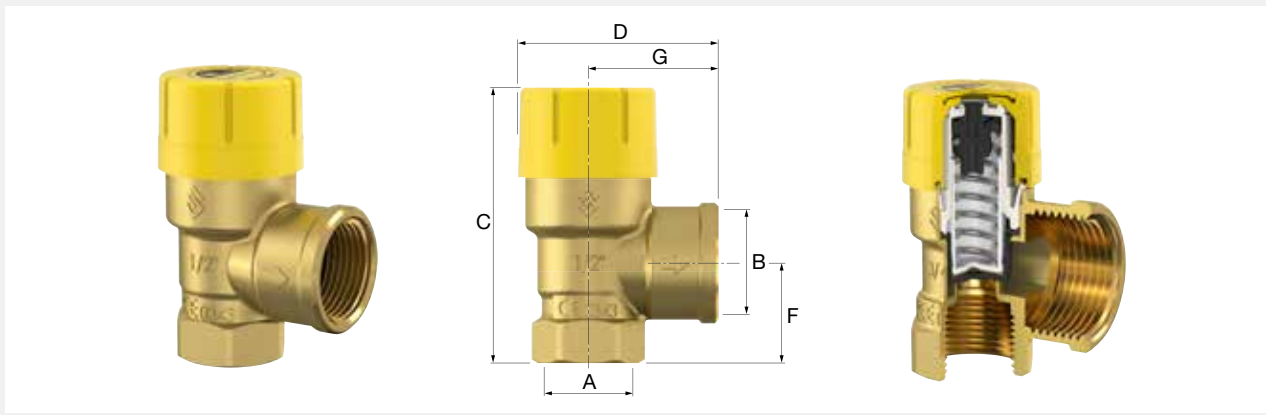
* Manufactured according to TRD directives.




Prescor Solar

Specially designed for sealed solar installations.

- Suitable for addition of glycol-based anti-freeze up to 50%.
- Minimum/Maximum working temperature: -30 °C / 120 °C.
- Peak load: 160 °C.

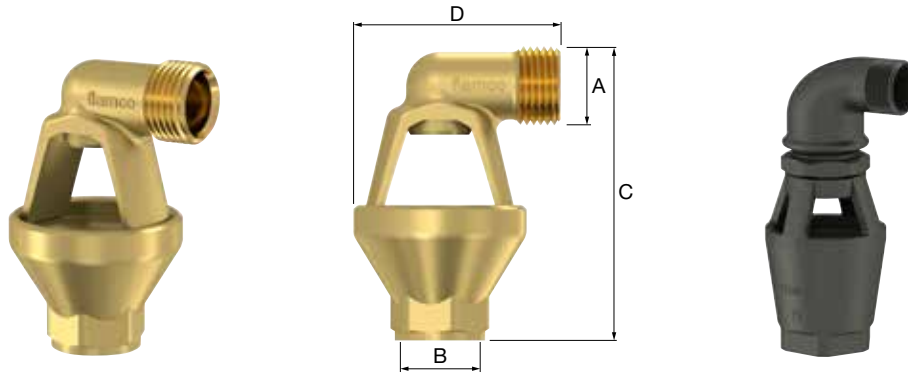


Type	Set pressure [bar]	Connection		Dimensions				Heating capacity [kW]		Order Code
		A	B	C [mm]	D [mm]	F [mm]	G [mm]			
Prescor Solar 1/2	3.0	Rp 1/2"	Rp 3/4"	75	54	26.5	34.5	50	40	28310
Prescor Solar 1/2	6.0	Rp 1/2"	Rp 3/4"	75	54	26.5	34.5	50	40	28311
Prescor Solar 1/2	8.0	Rp 1/2"	Rp 3/4"	75	54	26.5	34.5	50	40	28312
Prescor Solar 3/4	6.0	Rp 3/4"	Rp 1"	77	56	29.5	36.5	100	40	28316
Prescor Solar 3/4	8.0	Rp 3/4"	Rp 1"	77	56	29.5	36.5	100	40	28317
Prescor Solar 1	6.0	Rp 1"	Rp 1 1/4"	101	74	36.0	47	200	16	28321
Prescor Solar 1	8.0	Rp 1"	Rp 1 1/4"	101	74	36.0	47	200	16	28322
Prescor Solar 1	10.0	Rp 1"	Rp 1 1/4"	101	74	36.0	47	200	16	28323



Tundish

Open 90° tundish, fitted between the Prescor safety valve and the discharge pipe. It enables you to check through the opening whether the safety valve is discharging excess water.

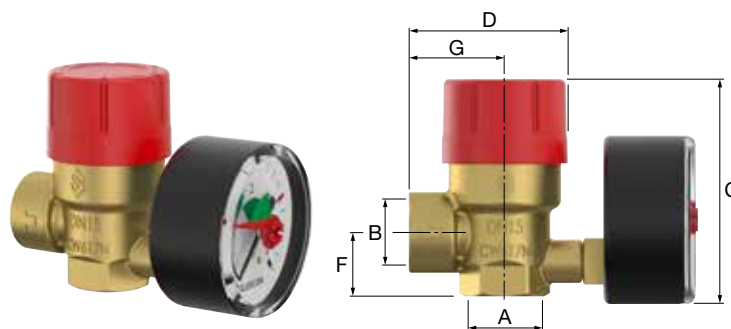


Type	Connection		Application	Dimensions			Order Code
	A	B		C [mm]	D [mm]		
Tundish 1/2 (brass)	1/2" M	1/2" F	Prescor 1/2", Prescomano 1/2", Prescor B 1/2"	80	55	1	27350
Tundish 3/4 (brass)	3/4" M	1" F	Prescor B 1/2", Prescor 3/4", Prescomano 3/4", Prescor Solar 1/2"	94	76	1	27360
Tundish 1 (cast iron)	1" M	1 1/2" F	Prescor 3/4" TRD, Prescor Solar 3/4"	185	95	1	27325
Tundish 1 1/4 (cast iron)	1 1/4" M	1 1/2" F	Prescor 1", Prescor Solar 1"	195	100	1	27330
Tundish 1 1/2 (cast iron)	1 1/2" M	1 1/2" F	Prescor 1 1/4", Prescor S 1 1/4"	205	105	1	27340

Prescomano

Safety valves with pressure gauge for sealed central heating and chilled water (cooling) installations.

- Suitable for addition of glycol-based anti-freeze up to 50%.
- 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]	F [mm]	G [mm]			
Prescomano 1/2	3.0	Rp 1/2"	Rp 1/2"	68.7	86.0	21.5	28.5	125	20	27683
Prescomano 3/4	3.0	Rp 3/4"	Rp 3/4"	70.9	88.0	23.5	30.5	165	20	27090

* Produced according to TRD directives.

FILLING DEVICES

Flexcon PA pressurisation assistant

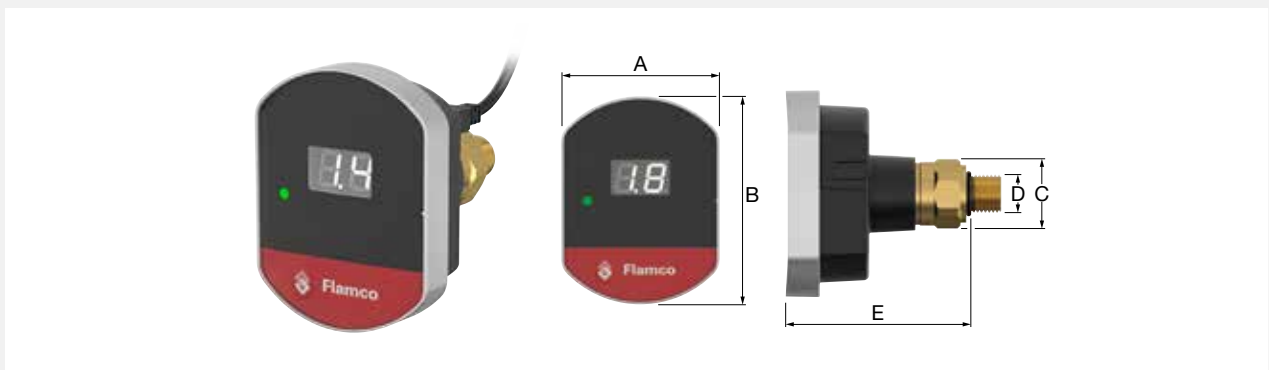
The Flamco Flexcon PA pressurisation assistant is used to monitor heating systems and to assist the installer and end-user with pressure maintenance. The Flexcon PA logs and alerts when pressurisation problems occur and assists in (or control) topping-up the heating system to the correct working pressure. It can also advise on expansion vessel life expectancy without disconnecting the vessel and you can configure monitoring on maintenance intervals for third party components. The Flexcon PA comes with a smartphone/tablet application for advanced and complete delivery of system status and guided maintenance advice.


Advantages:

- Eliminates unscheduled service call-outs for nuisance failures caused by pressure loss in the system, increasing comfort for end customers.
- Monitoring of fill pressure, safety valve discharges, expansion vessel end of life span and scheduled maintenance intervals of any components.
- The mobile app enables end customers to share event logs with their installer for remote support.
- The Flexcon PA gives the installer eyes on site to see how the installation's pressurisation is functioning.

Specifications:

- Suitable for heating systems up to 45 kW/750 l and for addition of glycol-based anti-freeze up to 50%.
- Power supply: 5V AC/DC adapter.
- Working system temperature: 0 °C / 90 °C.
- Working ambient temperature: 0 °C / 65 °C.
- Working system pressure: 0 - 4 bar.



Type	Connection (D)	Dimensions					Order code
		A [mm]	B [mm]	C [mm]	E [mm]		
Flexcon PA	G 1/4"	54	71	22	63	1	23760




PRESSURE GAUGES

Pressure Gauges

The pressure in the installation is indicated by the pressure gauge.




Type	Connection	Pressure range [bar]	Marking [bar]	Shut-off valve		Order Code
Pr. gauge Ø 40 ax. for Prescomano	1/4 ax.	0 - 4	1.5 - 3.0	no	1	27264
Pr. gauge Ø 40 ax. for Prescomano	DN 10 (1/8) ax.	0 - 4	1.5 - 2.5	no	1	27260
Pr. gauge Ø 63 rad. / 4.0b.	1/4 rad.	0 - 4	1.5 - 3.0	no	1	27205
Pr. gauge Ø 63 rad. / 3.0b.	3/8 rad.	0 - 4	1.5 - 3.0	no	1	27200
Pr. gauge Ø 63 rad. / 1.5 - 4.0b.	3/8 rad.	0 - 4	1.5 - 4.0	no	1	27203
Pr. gauge Ø 63 ax. / 6.0 b.	1/4 ax.	0 - 6	2.5 - 6.0	no	1	27211
Pr. gauge Ø 63 rad. / 2.0 - 4.0b.	3/8 rad.	0 - 4	2.0 - 4.0	no	1	27208
Pr. gauge Ø 63 rad. / 2.5 - 4.0b.	3/8 rad.	0 - 4	2.5 - 4.0	no	1	27204
Pr. gauge Ø 63 rad. / 3.0 - 4.0b.	3/8 rad.	0 - 4	3.0 - 4.0	no	1	27202
Pr. gauge Ø 63 rad. / 2.5b.	3/8 rad.	0 - 4	1.5 - 2.5	no	1	27201
Pr. gauge Ø 63 ax. / 1.5 - 4.0b.	3/8 ax.	0 - 4	1.5 - 4.0	no	1	27213
Pr. gauge Ø 63 ax. / 3.0b.	1/4 ax.	0 - 4	1.5 - 3.0	no	1	27210
Pr. gauge Ø 80 rad. / 3.0b.	1/4 rad.	0 - 4	1.5 - 3.0	1/4" x 1/2"	1	27220
Pr. gauge Ø 80 ax. / 3.0b.	1/4 ax.	0 - 4	1.5 - 3.0	1/4" x 1/2"	1	27230
Pr. gauge Ø 80 rad. / 3.0b.	1/2 rad.	0 - 4	1.5 - 3.0	no	1	27222
Pr. gauge Ø 100 0 - 10 bar rad.	3/8" rad.	0 - 10	6.0	no	1	27243
Manometer Ø 50 exc.	1/8" ax. not central	0 - 4	1.5 - 3.0	no	1	27267
Manometer Ø 50 exc.	1/8" ax. not central	0 - 12	variable	no	1	27263
Manometer 40 mm 1 mtr capillair	1/4" ax. cap. conn.	0 - 6	Flexibel capillair 2mm à 1 mtr	no	1	27269

Shut-off Valves

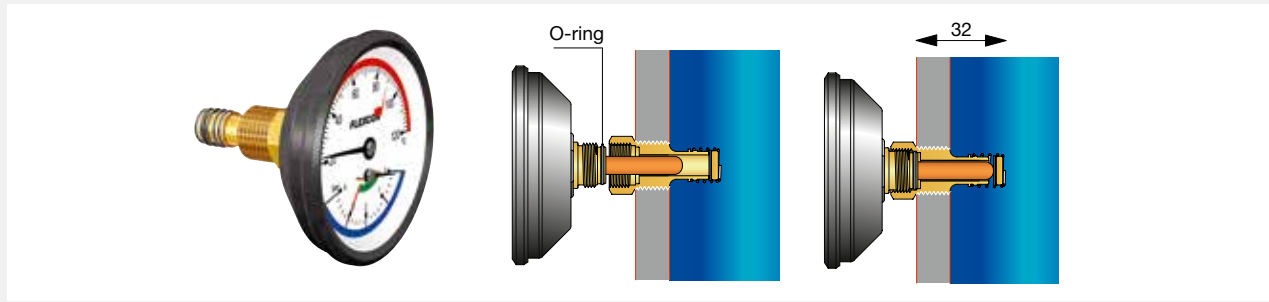



- For pressure gauges.
- Self sealing by means of a PTFE ring.

Type	Connection		Order Code
Shut-off valve 1/4 x 1/2	1/4" x 1/2"	150	27912
Shut off valve M18 x 1/2	M 18 x 1/2"	1	27905

Thermo Pressure Gauges

The combined pressure/thermo gauge shows not only the pressure, but also the temperature.



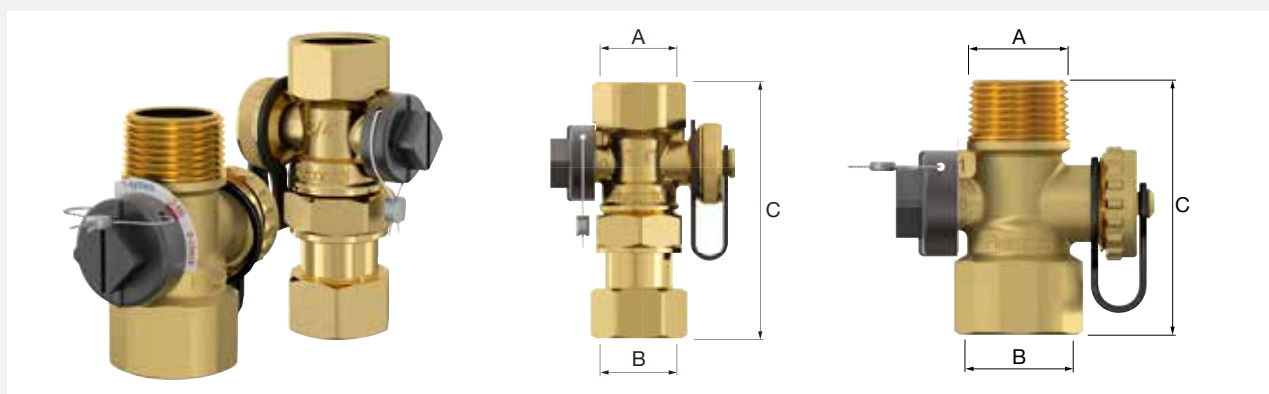
Type	Connection	Range	Marking [bar]	Ø [mm]		Order Code
Thermo pressure gauge ax. (with shut-off valve)	R 1/2" M	20 - 120 °C / 0 - 4 bar	3	80	20	27250
Thermo pressure gauge ax.	M 18 x 1"	20 - 120 °C / 0 - 4 bar	3	63	20	27247
Thermo pressure gauge ax. (with shut-off valve)	R 1/2"	20 - 120 °C / 0 - 4 bar	3	63	1	27248


CONNECTION SETS AND ISOLATING UNIONS

FlexControl

This isolating union connects the expansion vessel to the central heating system and enables verification of the vessel's gas charge or, alternatively, allows you to replace it without draining the entire system.

- Saves a considerable amount of time when servicing a Flexcon vessel.
- Enables you to check the pre-charge pressure without having to disconnect the vessel.
- Enables you to change the vessel or check the pre-charge pressure without having to release the system pressure or drain the system.
- With integrated ball valve and hose connection.
- Flexcontrol 3/4" F / 1" F: With swivel nut connection for easy mounting of the expansion vessel.
- Suitable for addition of glycol-based anti-freeze up to 50%.
- Maximum working pressure: 10 bar.
- Maximum working temperature (design): 130 °C.

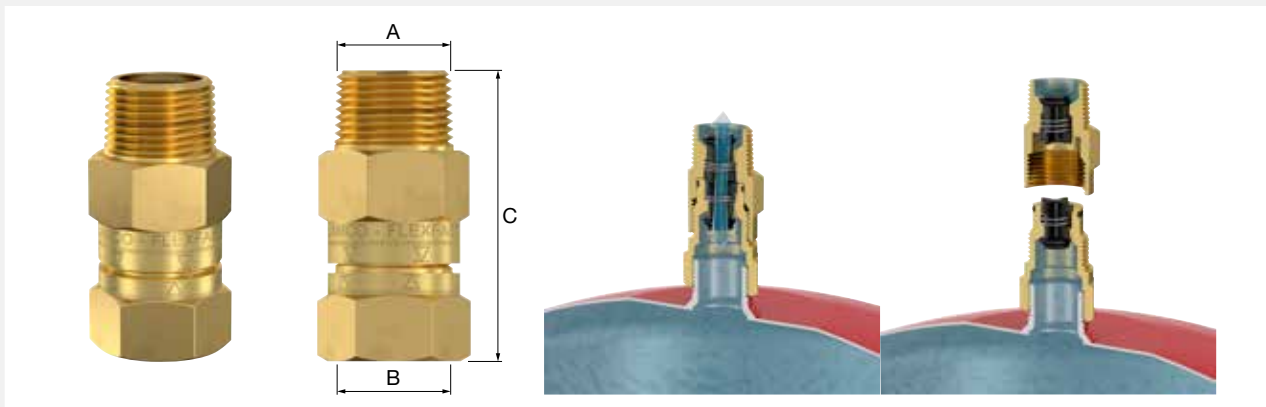



Type	Connection		Dimension C [mm]	Weight [kg]		Order Code
	A	B				
FlexControl 3/4 M	R 3/4"	Rp 3/4"	60	0.24	1	28925
FlexControl 3/4	Rp 3/4"	G 3/4" F	92	0.31	1	28920
FlexControl 1	Rp 1"	G 1" F	100	0.36	1	22390

Flexfast 3/4

This isolating union makes it possible to check quickly and easily if a Flexcon expansion vessel is still working correctly (gas charge) or if it needs to be replaced.

- Easy to assemble with the right tools; then just screw in the components by hand.
- Enable you to change the vessel without having to release pressure or drain the system.
- Saves a considerable amount of time when servicing a Flexcon vessel.
- Material: Brass.
- Suitable for addition of glycol-based anti-freeze up to 50%.
- Minimum/Maximum working temperature: -10 °C / 90 °C (continuous).
- Working pressure: 0 - 10 bar.



Type	Connection		Dimension C [mm]		Order Code
	A	B			
Flexfast 3/4	R 3/4"	G 3/4" F	68	1	27920

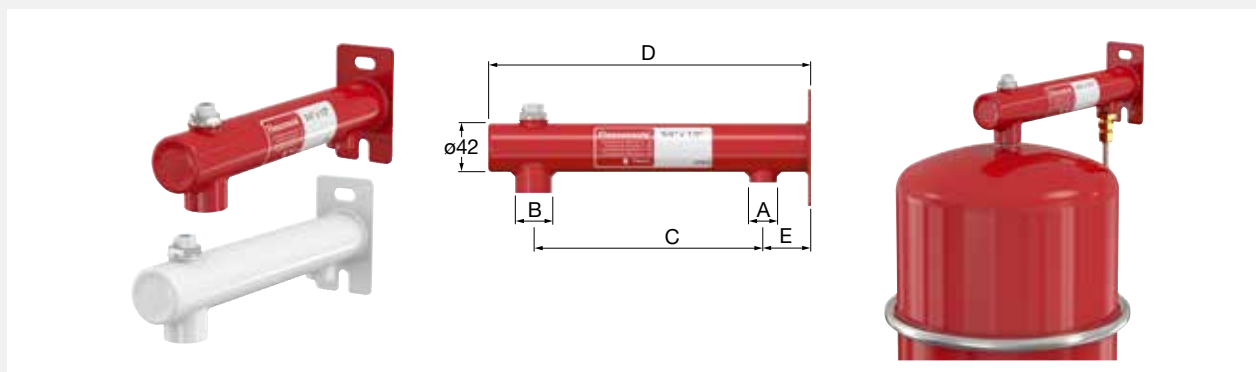
WALL MOUNTING

For mounting Flexcon expansion vessels (2 - 25 litres) to a wall.

Flexconsole 3/4

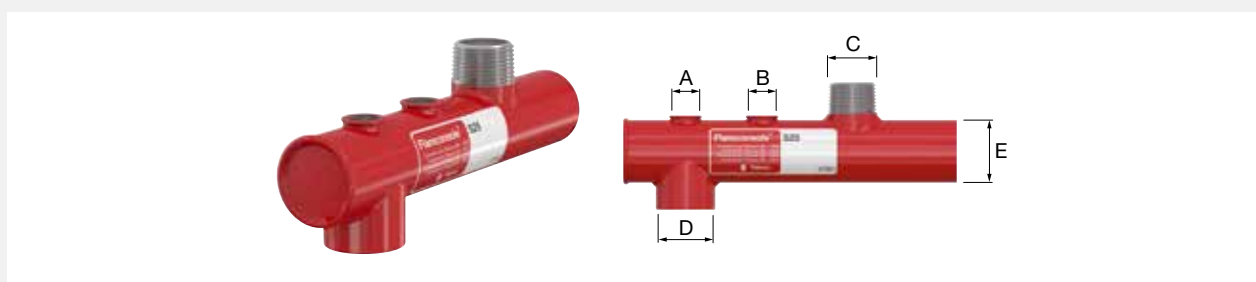
With the Flexconsole the Flexcon vessel is set up vertically fitted to the water connection with the water nipple fitted on the 3/4" connection of the console and the expansion pipe fitted to the 1/2" connection.

- Equipped with a wall plate with two slots for accurate wall mounting.
- Supplied with a 1/2" radiator cap plus manual deaerator.



Type	Connection		Dimensions			Box	Order Code
	A	B	C [mm]	D [mm]	E [mm]		
Flexconsole 3/4 x 1/2	Rp 1/2"	Rp 3/4"	195	275	41	1	27910
Flexconsole 3/4 x 1/2 white	Rp 1/2"	Rp 3/4"	195	275	41	1	27989
Flexconsole 3/4 x 3/4 D	Rp 3/4"	Rp 3/4"	195	275	41	10	27911

Flamconsole S 25

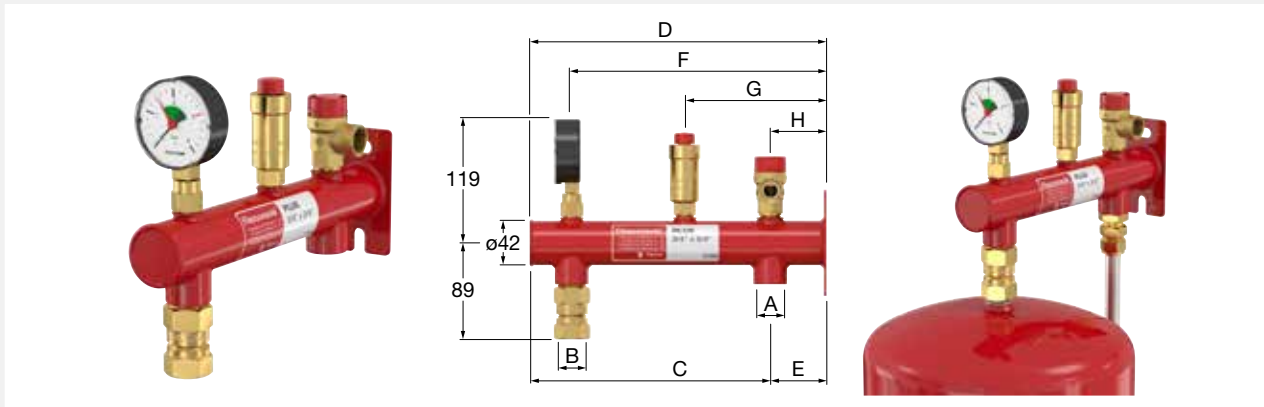



Type	Connection					Box	Order Code
	A	B	C	D	E		
Flamconsole S 25	Rp 3/8"	Rp 3/8"	R 1"	Rp 1"	G 1"	1	27991

Flexconsole Plus

A complete product for hanging expansion vessels up to 25 litres attached to the water supply and to the wall. As the conventional Flexconsole but including accessories.

- Supplied with:
Flexcon pressure gauge (0 - 4 bar) with shut off valve,
Flexvent $\frac{3}{8}$ " floatvent with shut off valve,
Safety valve $\frac{1}{2}$ " (set pressure: 3 bar),
Flexfast quick-release coupling,
Fixing set.

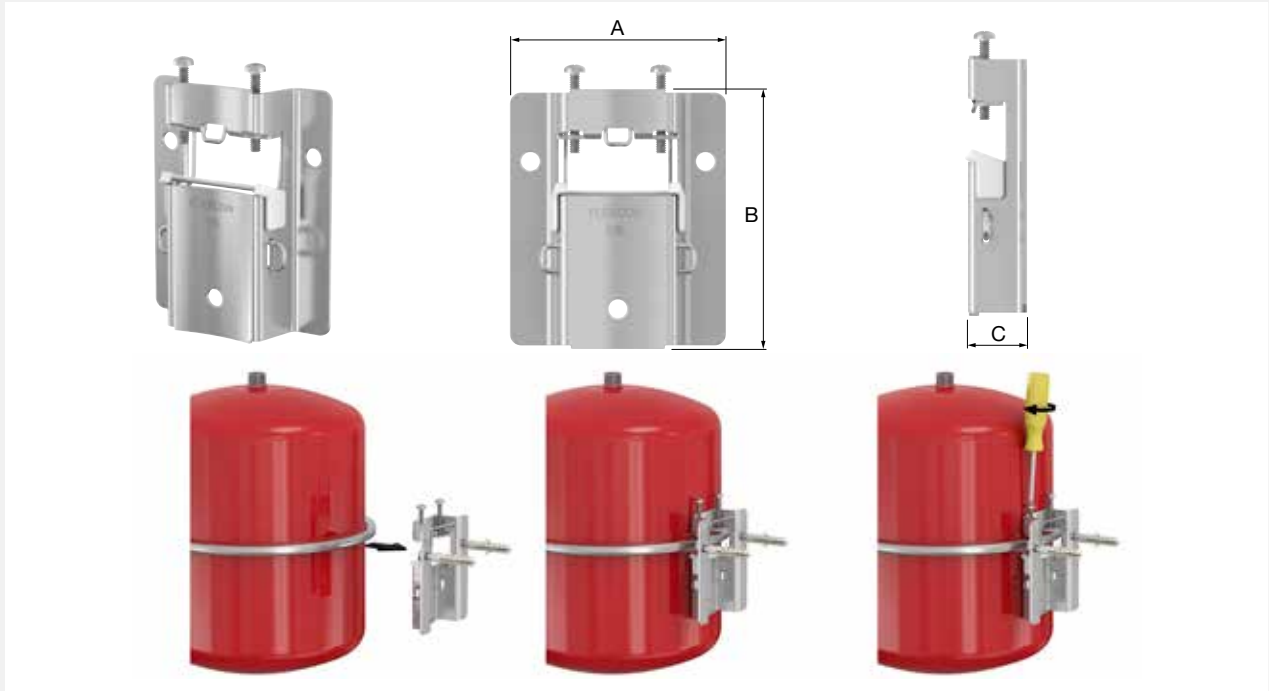



Type	Connection		Dimensions							Order Code
	A	B	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	H [mm]		
Flexconsole Plus - 3 bar	Rp $\frac{3}{4}$ "	Rp $\frac{3}{4}$ "	234	275	41	236	130	50	1	27996
Flexconsole Plus - without Flexfast - 3 bar	Rp $\frac{3}{4}$ "	Rp $\frac{3}{4}$ "	225	275	41	236	130	50	1	27988

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

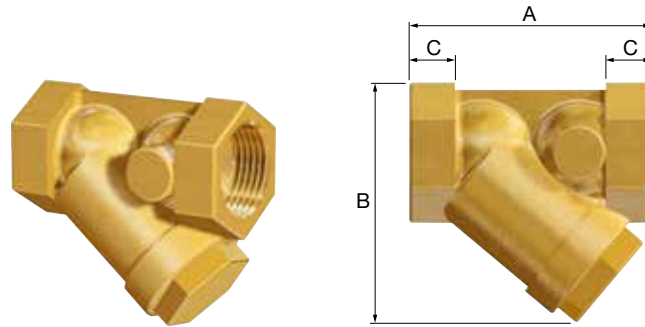
SYSTEM ACCESSORIES**Uni-Fil Filling Sets**


Type	System connection	Max. working pressure [bar]		Order Code
Uni-fil P Filling Loop	15 mm / 1/2"	10	1	27307
Uni-Fil auto	15 mm / 1/2"	10	1	27306

Strainers

Standard 'Y' pattern with removable mesh cartridge for easy cleaning.

- Brass body and stainless steel mesh.
- Ideal for many sealed applications.



Type	System connection	Dimensions				Order Code
		A [mm]	B [mm]	C [mm]		
Type Y - 3/4"	3/4" F	74	45	13	1	28047
Type Y - 1 1/4"	1 1/4" F	89	90	14	1	28046


ACCESSORIES FOR THE INSTALLER

Flexcon Drain Tub

The accessory for draining low positioned tap points.

- Flexible in use.
- With hook for easy storage.
- Vital for every installer.
- Made from high grade SBR rubber.



Type	Capacity [l]	Dimensions		Weight [kg]		Order Code
		Ø [mm]	H. [mm]			
Flexcon Drain Tub	± 4.0	280	125	0.5	10	27958

Flexcon GVA 90



Gas valve extension angled at 90° to increase accessibility of Flexcon 110 - 1000 gas valves.

Type	Connection			Order Code
	Vessel	Outlet		
Flexcon GVA 90	Vg 8 F	Vg 8 M	10	27952

Expansion Vessels for Potable Water Installations

3

3



Domestic installations lose millions of litres of potable water due to expansion water leaking from the vent and expansion pipe. Flamco's Airfix diaphragm pressure expansion vessels for mains water systems work to prevent this waste. Bacteria formation is prevented because Airfix A, D and D-E vessels are designed to allow a continuous flow through of water to maintain constant circulation. These expansion vessels can be applied in combination with all hot water calorifiers and as surge vessels in pressure boosting systems.

AIRFIX A/D

For use in potable water or fresh water installations.

The Airfix A and D expansion vessels operate in such a way that the water flows right through and they are continuously flushed with fresh water from the mains. This prevents tepid, stagnant water from collecting in the vessel in which bacterial growth could occur. Therefore, users can be assured of high quality potable water. Applying an Airfix A / D expansion vessel to a water heater prevents the opening of the safety group or safety valve each time the potable water is heated. As a result, not only the life of the safety group or safety valve is significantly prolonged (damage or calcification of seat is avoided) but also the risk of permanent leakage (with high water loss as a consequence). An Airfix vessel is also a perfect solution in basement applications where the drain is higher than the safety valve.

Benefits of using Airfix expansion vessels

- No waste of valuable potable water.
- With special flow through construction. Continuous flow through prevents bacterial growth.
- Special butyl rubber diaphragm does not add any colour, odour or taste to the water.
- Corrosion-resistant coating inside, not only on the water side but also on the nitrogen side.
- The clench ring construction allows coating before assembly.
- Nitrogen gas filling for longer retention of pre-charge.
- Colour: White RAL9010.
- Maximum working pressure: 8/10 bar.
- Suitable for systems with a maximum flow temperature of 120 °C.
- Maximum temperature diaphragm: 70 °C.
- Vessels in accordance with EN13831.
- Approvals:

DVGW-W270

WRAS

ACS

PZH

KIWA approved execution available on request.

Approved for potable water applications according to CE 2002/16/EC.


- In accordance with Pressure Equipment Directive 2014/68/EU.
- Airfix A/D 35 - 80: With suspension eye. Connection to the underside of the vessel.

Airfix D 8 - 35

The Airfix D is fitted with a synthetic flow through construction and a special T-piece which eliminates the formation of unwanted bacteria.

- Including special brass flow dividing T-piece (¾") and internal synthetic flow through construction.
- Quality Vignette DIN-DVGW: NW-9481 AU2096.



Type	Pre-charge [bar]	Max. working pressure [bar]	Dimensions		Connection	Weight [kg]		Order Code
			Ø [mm]	H. [mm]				
Airfix D 8	4	10	245	301	R ¾"	3.2	50	14259
Airfix D 12	4	10	286	334	R ¾"	4.3	36	14349
Airfix D 18	4	10	328	325	R ¾"	4.9	24	14459
Airfix D 25	4	10	358	378	R ¾"	6.6	18	14559
Airfix D 35	4	8	396	437	R ¾"	8.1	18	14659




Airfix A 8 - 80

The Airfix A is fitted with a synthetic flow through device in a standard T-piece (not included) which eliminates the formation of unwanted bacteria.

- Including synthetic flow divider.
- Quality Vignette DIN-DVGW: 04-0359-W AG 003/04.



3

Type	Pre-charge [bar]	Max. working pressure [bar]	Dimensions		Connection	Weight [kg]		Order Code
			Ø [mm]	H. [mm]				
Airfix A 8	4	10	245	301	R 3/4"	3.2	50	24259
Airfix A 12	3	10	286	334	R 3/4"	4.3	36	24348
Airfix A 18	3	10	328	325	R 3/4"	4.9	24	24458
Airfix A 25	3	10	358	378	R 3/4"	6.6	18	24558
Airfix A 25	specify	10	358	378	R 3/4"	6.6	18	24557
Airfix A 35	specify	8	396	437	R 3/4"	8.1	18	24657



AIRFIX P


Potable water expansion vessels for use in domestic and commercial sealed chilled and hot water systems.

- Nitrogen gas filling for longer retention of pre-charge.
- Designed to incorporate a unique contoured, replaceable bladder.
- With single threaded steel connection and plastic insert (no flow through function).
- Suitable for addition of glycol-based anti-freeze up to 50%.
- In accordance with Pressure Equipment Directive 2014/68/EU.

Airfix P 2 - 300

- Maximum operating pressure: 10.0 bar.
- Maximum working temperature (bladder): 100 °C.
- Colour: Coated aluminium (RAL 9006).
- Airfix P 50 - 300: With feet.



Type	Capacity [l]	Pre-charge [bar]	Dimensions		Connec-tion	Dia-phragm	Weight [kg]		Order Code
			Ø [mm]	H. [mm]					
Airfix P - UK 2	2	2.7	120	235	G 1/2" M	Butyl	4.6*	336	24900
Airfix P - UK 3	3	2.7	170	240	G 3/4" M	Butyl	1.5	168	24901
Airfix P - UK 5	5	2.7	170	275	G 3/4" M	Butyl	1.7	144	24902
Airfix P - UK 8	8	2.7	220	305	G 3/4" M	Butyl	2.2	90	24903
Airfix P - UK 12	12	2.7	260	310	G 3/4" M	Butyl	2.9	72	24904
Airfix P - UK 16	16	2.7	260	345	G 3/4" M	EPDM	3.4	60	24905
Airfix P - UK 18	18	2.7	260	375	G 3/4" M	EPDM	3.5	60	24906
Airfix P - UK 24	24	2.7	260	485	G 3/4" M	EPDM	4.3	56	24907
Airfix P - UK 35	35	2.7	380	470	G 1" M	EPDM	8.0	24	24910
Airfix P - UK 50	50	2.7	380	720	G 1" M	EPDM	9.9	15	24911

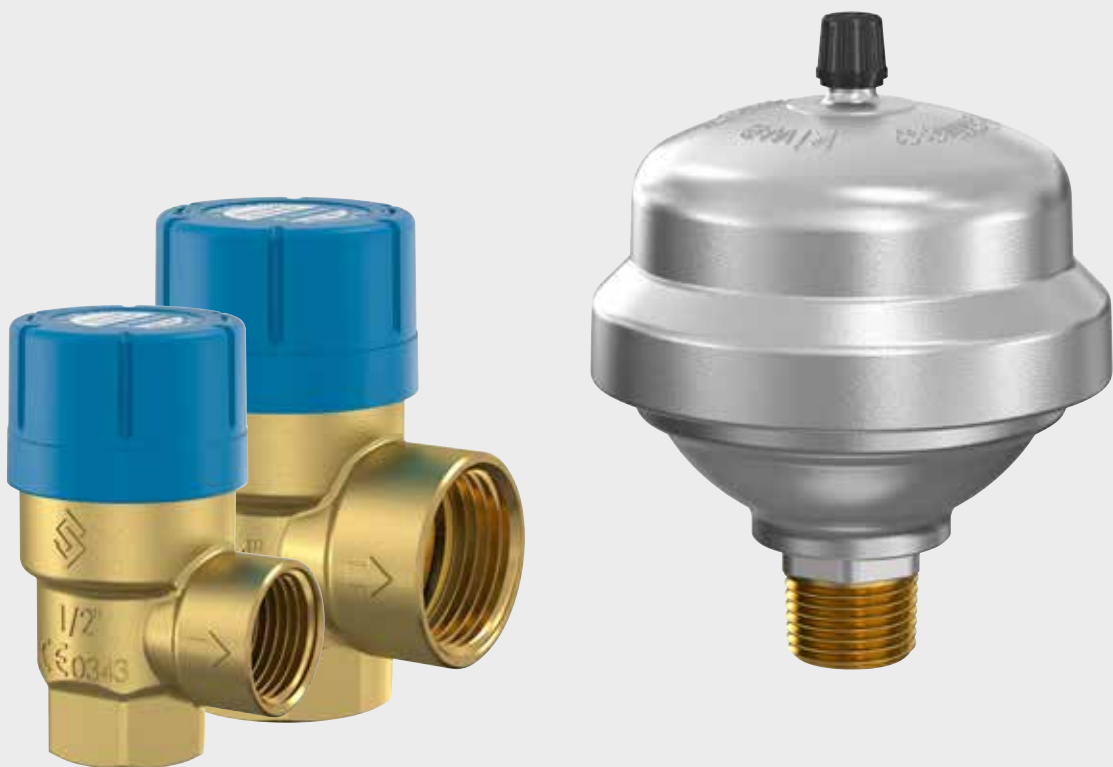
* Per set of four in one box.



Accessories for Potable Water Installations

4

4



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 AND SB SAFETY VALVES

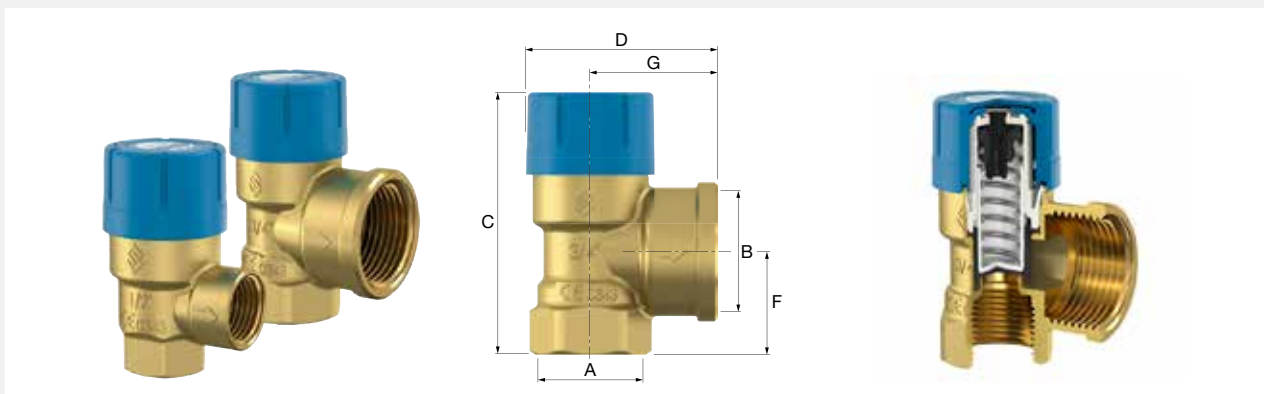
For protecting water heaters and potable water systems. When the system pressure reaches the set pressure, the Prescor B boiler valve begins to vent, whereby the pressure stops rising. If, due to specific circumstances, the pressure rapidly rises over the set pressure, the Prescor B boiler valve will 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]			
Prescor B 1/2	6.0	Rp 1/2"	Rp 1/2"	68.7	47.2	21.5	28.5	75	50	27100
Prescor B 1/2	7.0	Rp 1/2"	Rp 1/2"	68.7	47.2	21.5	28.5	75	50	27103
Prescor B 1/2	8.0	Rp 1/2"	Rp 1/2"	68.7	47.2	21.5	28.5	75	50	27101
Prescor B 1/2	10.0	Rp 1/2"	Rp 1/2"	68.7	47.2	21.5	28.5	75	50	27102
Prescor B 3/4	6.0	Rp 3/4"	Rp 1"	76.8	55.2	29.5	36.5	150	40	27110
Prescor B 3/4	7.0	Rp 3/4"	Rp 3/4"	70.9	49.2	23.5	30.5	150	40	28233
Prescor B 3/4	8.0	Rp 3/4"	Rp 1"	76.8	55.2	29.5	36.5	150	40	27111
Prescor B 3/4	10.0	Rp 3/4"	Rp 1"	76.8	55.2	29.5	36.5	150	40	27112
Prescor B 1	6.0	Rp 1"	Rp 1 1/4"	100.5	73.2	36.0	47.0	250	16	29005
Prescor B 1	7.0	Rp 1"	Rp 1 1/4"	100.5	73.2	36.0	47.0	250	16	28993
Prescor B 1	8.0	Rp 1"	Rp 1 1/4"	100.5	73.2	36.0	47.0	250	16	29006
Prescor B 1	10.0	Rp 1"	Rp 1 1/4"	100.5	73.2	36.0	47.0	250	16	29007
Prescor B 1/2 M x K 15	6.0	R 1/2"	K 15	81.2	60.5	37.0	42.0	75	40	28283
Prescor B 1/2 M x K 15	9.0	R 1/2"	K 15	81.2	60.5	37.0	42.0	75	40	28281
Prescor B 1/2 M x K 15	10.0	R 1/2"	K 15	81.2	60.5	37.0	42.0	75	40	28282

AIRFIXCONTROL

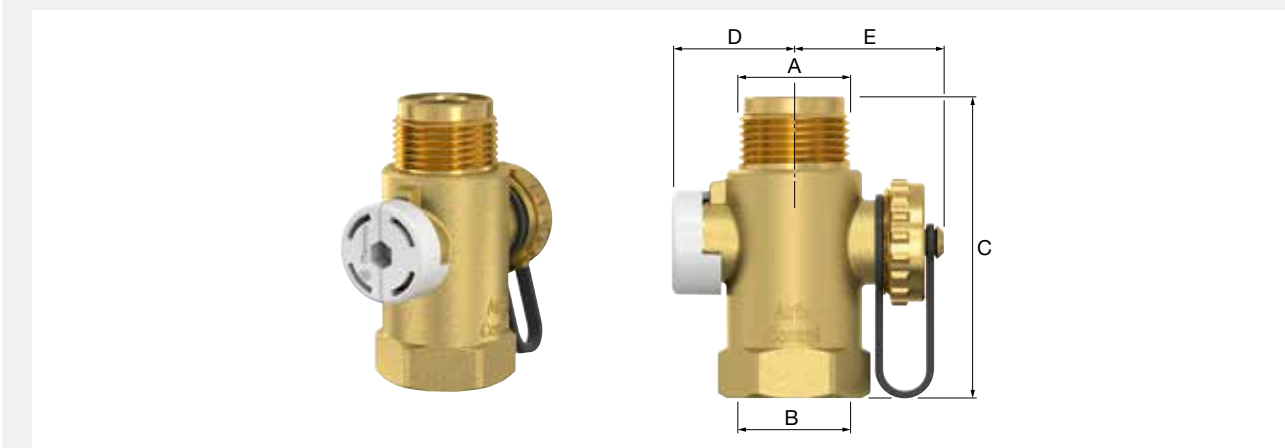
With this component the flushing function is fully guaranteed. When the vessel is disconnected from the system the system flow remains in function.


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 3/4" M	G 3/4" F	71	29	34	0.24	1	28930



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 in connected to the system. The gas cushion compresses and absorbs the wave of pressure.

- Capacity : 160 cm³.
- 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




Type	Pre-charge [bar]	Dimensions		Connection		Order Code
		∅ [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

kiwa 

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

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

Venting Range and Air/Dirt Separators

5

5



Systems in which the water is properly deaerated and free of contamination are more efficient, produce less noise and have a longer service life. Our products use proven and innovative technology to remove air and solid particles from the water, i.e. using coalescence and flow velocity reduction. Regardless of whether in a domestic environment or commercial installations with large heating or cooling systems, Flamco's range of automatic air vents and air/dirt separators provide the most efficient solution.

FLEXVENT AUTOMATIC AIR VENTS

The compact, proven design has high efficiency and guaranteed operation for heating and air conditioning.

The water within the installation contains air which can form corrosion and reduce the thermal transfer. A Flexvent is fitted at places where the air collects.

Flexvent float vents are made of brass. Most types are equipped with a shut-off valve for easy fitting and dismantling.

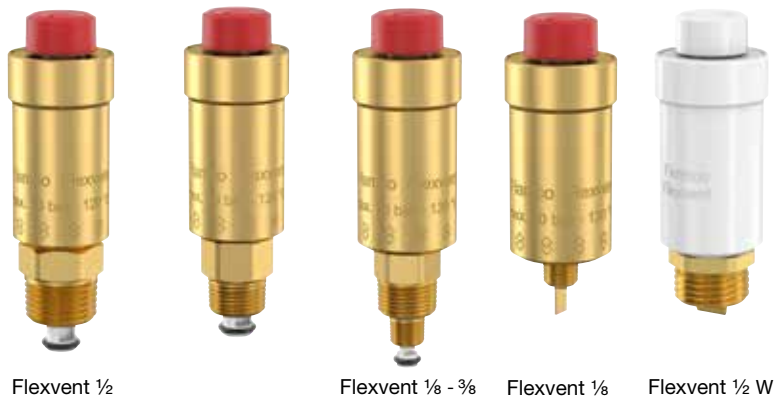
A Flexvent float vent is easy to fit in any installation due to its very small dimensions. The relatively large air cushion at the top of each type of Flexvent float vent protects the valve seat sufficiently against contamination so that the Flexvent will not leak.

To guarantee top quality, we test all Flexvents before they leave our factory.



Flexvent

- With protective cap including expansion sealer rings to prevent leaks.
- Substantial distance between the water and the closing mechanism, reducing the chance of contamination.
- Suitable for addition of glycol-based anti-freeze up to 50%.
- Minimum/Maximum operating temperature: -10 °C / 90 °C (peak load: 120 °C).
- Minimum/Maximum operating pressure: 0.2 / 6.0 bar (peak load: 10.0 bar).




Flexvent 1/2

Flexvent 1/8 - 3/8

Flexvent 1/8

Flexvent 1/2 W

Type	Dimensions		Connection	Shut-off valve		Order Code
	Ø [mm]	H. [mm]				
Flexvent 1/8	30	67	R 1/8"	no	1	27775
Flexvent 3/8	30	78	R 3/8"	yes	1	27750
Flexvent 3/8 without shut-off valve	30	66	G 3/8"	no	1	27725
Flexvent 1/8 - 3/8	30	86 - 75.5	R 1/8" / R 3/8"	yes	1	27780
Flexvent 1/2	30	75.5	R 1/2"	yes	1	27740
Flexvent 1/2 - White with bubble breaker	31	71	G 1/2"	no	1	27743
Flexvent 1/2 - Nickel plated	30	80	R 1/2"	yes	1	27742
Flexvent 3/4	30	74.5	R 3/4"	yes	1	27735
Valve sleeve with shut-off valve Flexvent	-	23	G 3/8" F x R 3/8"	yes	1	27700

Flexvent H



The Flexvent H has a 1/2" 90°-angled connection which means it can be mounted directly on one of the radiator ports.

- Suitable for addition of glycol-based anti-freeze up to 50%.
- Minimum/Maximum operating temperature: -10 °C / 90 °C (peak load: 120 °C).
- Minimum/Maximum operating pressure: 0.2 / 6.0 bar (peak load: 10.0 bar).

Type	Dimensions			Conne- ction	Shut-off valve		Order Code
	Ø [mm]	Ø conn. inc. [mm]	H. [mm]				
Flexvent H 1/2 Nickel plated	31	50.5	70	R 1/2"	no	50	27710
Flexvent H 1/2 White	31	50.5	70	R 1/2"	no	50	27711

Air intake preventer



Prevents air from entering the heating system in case of negative pressure. Replaces the standard cap of the Flexvent.

- Integrated spring rings protect against possible leaks caused by contamination.

Type	Dimensions		Connection		Order Code
	Ø [mm]	H. [mm]			
Air intake preventer	16	28	M 12 x 1	25	27755

Flovent automatic air vent

Automatic air vent designed for venting of air or gas from heating and chilled water systems.

- Body material: brass.
- Working temperature: -10 - 110 °C.
- Working pressure: 0.2 - 8 bar.
- Suitable for addition of glycol-based anti-freeze up to 30%.
Including shut-off valve.hello world



Type	Dimensions		Connection	Shut-off valve	Weight [kg]		Order Code
	Ø [mm]	H. [mm]					
Flovent 3/8	36	73	R 3/8" M	yes	0.087	50	27720
Flovent 1/2	36	73	R 1/2" M	yes	0.107	50	27722

AIR SEPARATORS

For total elimination of air from heating and cooling installations.

Air separators increase comfort and improve the yield. Air separators also offer benefits in the event of application in old systems or when an open system is converted to a closed system.

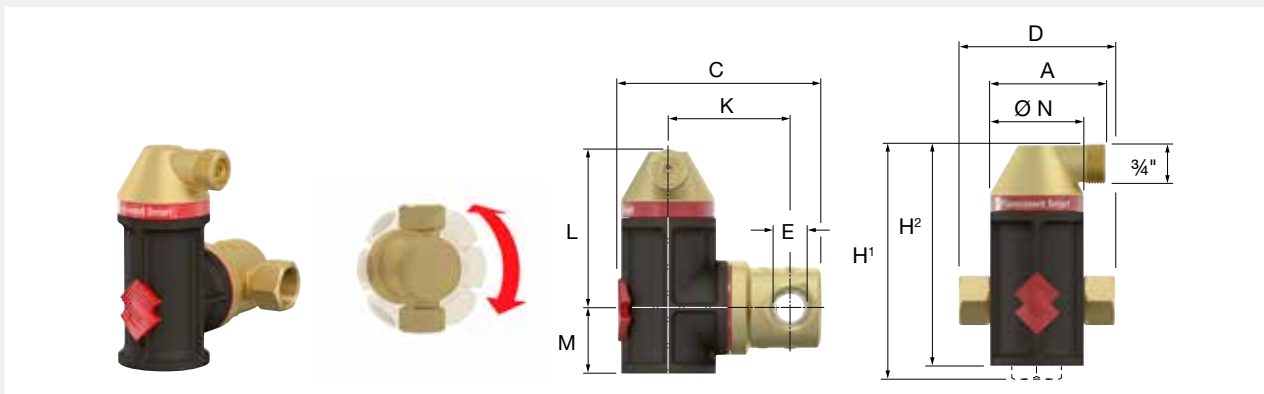
- Increases comfort and yield.
- The removal of air from the system water extends the service life of pumps, control equipment and other system accessories.


Flamcovent Smart

More compact, lighter, cleaner and even more efficient.

The Flamcovent Smart air separators remove even the smallest microbubbles from the system water. They are virtually maintenance-free and the flow resistance is negligibly low.

- 60% better performance compared to conventional separators.
- Flow velocity up to 3 m/s.
- Can be used with all kinds of pipework.
- Compact dimensions, light weight.
- Extremely low flow resistance and low loss of energy.
- Consistent performance throughout its service life.
- Minimum/Maximum working temperature: -10 °C / 120 °C.
- Maximum working pressure: 10 bar.
- Suitable for addition of glycol-based anti-freeze up to 50%.



Type	Con- nection (E)	Dimensions									Weight [kg]		Order Code
		A [mm]	C [mm]	D [mm]	K [mm]	L [mm]	M [mm]	H/H1 [mm]	H2 [mm]	Ø N [mm]			
Flamcovent Smart 22	22 mm	74	134	120	78	101	37	161	138	60	0.95	1	30002
Flamcovent Smart 3/4	Rp 3/4"	74	132	100	78	101	37	151	138	60	0.90	1	30001
Flamcovent Smart 1	Rp 1"	82	155	106	91	139	45	192	184	75	1.12	1	30003
Flamcovent Smart 1 1/4	Rp 1 1/4"	82	165	110	96	139	45	194	184	75	1.27	1	30004
Flamcovent Smart 1 1/2	Rp 1 1/2"	94	193	129	109	173	54	238	227	92	1.73	1	30005
Flamcovent Smart 2	Rp 2"	94	206	140	117	173	54	243	227	92	2.16	1	30006

DIRT SEPARATORS

For use in sealed heating and cooling systems.

Dirt separators protect the boilers, pumps and fittings from damage caused by the deposit of dirt particles. Dirt separators also offer benefits in the event of application in old systems or when an open system is converted to a closed system.

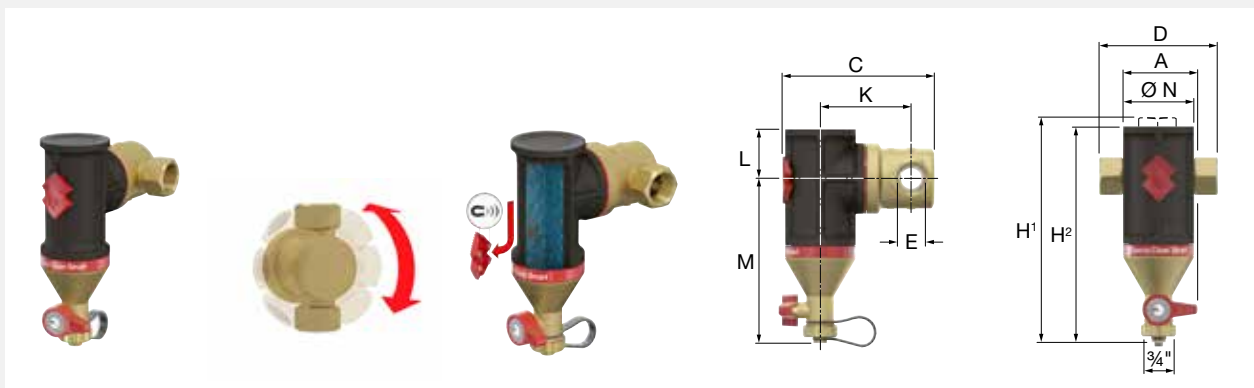
- Prevents deposit of dirt particles in the boiler.
- The removal of dirt particles from the system water extends the service life of pumps, control equipment and other system accessories.


Flamco Clean Smart

More compact, lighter, cleaner and even more efficient.

The Flamco Clean Smart dirt separators remove even minuscule dirt particles from the system water. They are virtually maintenance-free and the flow resistance is negligibly low.

- 60% better performance compared to conventional separators.
 - Flow velocity up to 3 m/s.
 - Four neodymium supermagnets are incorporated into the logo.
 - Can be used with all kinds of pipework.
 - Compact dimensions, light weight.
 - Extremely low flow resistance and low loss of energy.
 - Consistent performance throughout its service life.
- Minimum/Maximum working temperature: -10 °C / 120 °C.
 - Maximum working pressure: 10 bar.
 - Suitable for addition of glycol-based anti-freeze up to 50%.



Type	Conne- ction (E)	Dimensions									Weight [kg]		Order Code
		A [mm]	C [mm]	D [mm]	K [mm]	L [mm]	M [mm]	H/H1 [mm]	H2 [mm]	Ø N [mm]			
Flamco Clean Smart 22	22 mm	63	136	120	78	37	140	200	177	60	0.98	1	30022
Flamco Clean Smart 3/4	Rp 3/4"	63	133	100	78	37	140	190	177	60	0.94	1	30021
Flamco Clean Smart 1	Rp 1"	76	155	106	91	44	179	231	223	75	1.11	1	30023
Flamco Clean Smart 1 1/4	Rp 1 1/4"	76	165	110	96	44	179	233	223	75	1.26	1	30024
Flamco Clean Smart 1 1/2	Rp 1 1/2"	94	193	129	109	54	212	277	266	92	1.72	1	30025
Flamco Clean Smart 2	Rp 2"	94	206	140	117	54	212	282	266	92	2.15	1	30026

COMBINED AIR & DIRT SEPARATORS

For use in sealed heating and cooling systems.

Air and dirt separators protect the boilers, pumps and fittings from damage caused by the deposit of dirt particles, increase comfort and improve the yield. Air and dirt separators also offer benefits in the event of application in old systems or when an open system is converted to a closed system.

- Increases comfort and yield.
- Prevents deposit of dirt particles in the boiler.
- The removal of air and dirt from the system water extends the service life of pumps, control equipment and other system accessories.


Flamcovent Clean Smart

More compact, lighter, cleaner and even more efficient.

The Flamcovent Clean Smart air and dirt separators remove even the smallest microbubbles and minuscule dirt particles from the system water. They are virtually maintenance-free and the flow resistance is negligibly low.

- 60% better performance compared to conventional separators.
- Flow velocity up to 3 m/s.
- Four neodymium supermagnets are incorporated into the logo.
- Can be used with all kinds of pipework.
- Compact dimensions, light weight.
- Extremely low flow resistance and low loss of energy.
- Consistent performance throughout its service life.
- Maximum working pressure: 10 bar.
- Minimum/Maximum working temperature: -10 °C / 120 °C.
- Suitable for addition of glycol-based anti-freeze up to 50%.



Type	Connection (E)	Dimensions								Weight [kg]		Order Code
		A [mm]	C [mm]	D [mm]	K [mm]	L [mm]	M [mm]	H/H1 [mm]	Ø N [mm]			
Flamcovent Clean Smart 22	22 mm	74	136	120	78	101	140	241	60	1.2	1	30042
Flamcovent Clean Smart 3/4	Rp 3/4"	74	133	100	78	101	140	241	60	1.2	1	30241
Flamcovent Clean Smart 1	Rp 1"	82	155	106	91	139	179	318	75	1.5	1	30043
Flamcovent Clean Smart 1 1/4	Rp 1 1/4"	82	165	110	96	139	179	318	75	1.6	1	30044
Flamcovent Clean Smart 1 1/2	Rp 1 1/2"	94	193	129	109	173	212	385	92	2.2	1	30045
Flamcovent Clean Smart 2	Rp 2"	94	206	140	117	173	212	385	92	2.6	1	30046

T-plus

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The T-plus is an ideal product for the expansion, conversion or overhaul of an existing system. No longer is it necessary to isolate, drain, de-pressurise or freeze a pipe when an extra branch is required. This prevents costly down time. The new branch can be fitted in seconds, even in hard-to-reach places. Time is money and installers will immediately appreciate the difference that T-plus makes. There are two models in the Flamco range (steel and copper) which can be used with a wide range of tubes and pipes for water, air and other non-flammable fluids.

T-PLUS

The T-plus is specially designed to create perfect branches quickly and easily, whilst the system remains in operation. The design of the T-plus is unique and responds precisely to the requirements of installers and their customers. The combination of a plunger, striking pin and a trigger sets the new standard in the creation of branches for systems in operation. The new branching mechanism (the trigger) means perfect installation everywhere, everytime. Once the pin is removed, the charge ignites and the striking pin shoots straight forward. This makes a clean cut in the pipe creating the branch. This makes it possible to make branches even where there is little available space. There is no need to use a hammer any more.

Main advantages

- Saves installation time and costs.
- Create branches while the system is still in operation.
- Draining is not necessary, so no air and dirt can get into the system.
- A perfect branch every time due to the trigger.
- Easy to create a branch, even where space is restricted.
- Optimum pipe seal.
- Anti-corrosion coating.
- Single use (one shot) trigger mechanism. The trigger is included with the T-plus.

Areas of application

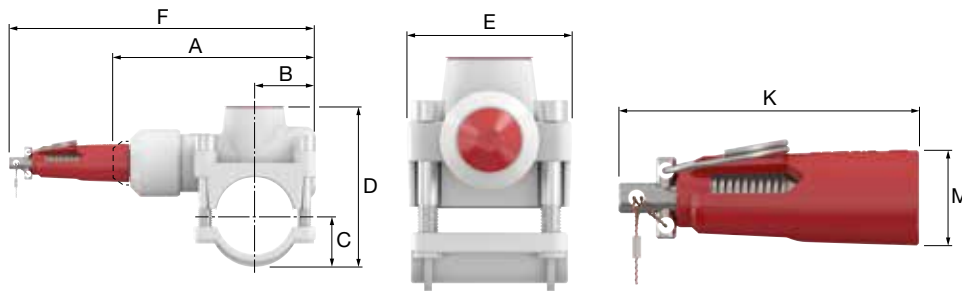
- Central heating and cooling installations.
- Potable installations.
- Solar installations.
- Fire protection systems.
- Industrial applications such as compressed air systems.



T-plus Brass

For thin-walled steel pipes (St33, St34, St35, St37), copper pipes (R290, R250) and SST pipes (1.4401, 1.4521):

- Thin-walled steel pipes according to NEN 1982, EN 10305 and DIN 2391.
Material numbers: 1.0033 (St33), 1.0031, 1.0034 (St34), 1.0214, 1.0308 (St35), 1.0220, 1.0225, 1.0237 and 1.0261.
- Hard (R290) / semi-hard (R250) copper pipes according to EN 1057.
- Stainless steel pipes according to NEN 1982, EN 10312 and DIN 2391 made of AISI 316 (1.4401) and AISI 444 (1.4521).
- Maximum working pressure: 16 bar.
- Maximum permissible temperature: 120 °C.



Type	Ø Pipe ext. dia. [mm]	Branch connection	Suitable for			Max. permissible wall thickness			Torque [Nm]		Order Code
			Thin-walled steel	Copper	SST	Thin-walled steel [mm]	Copper [mm]	SST [mm]			
T-plus 14 x G 1/2 M	14	G 1/2" M	-	✓	-	-	1.25	-	6	1	90514
T-plus 15 x G 1/2 M	15	G 1/2" M	✓	✓	✓	1.25	1.25	1.00	6	1	90515
T-plus 16 x G 1/2 M	16	G 1/2" M	-	✓	-	-	1.25	-	6	1	90516
T-plus 18 x G 1/2 M	18	G 1/2" M	✓	✓	✓	1.25	1.25	1.00	6	1	90518
T-plus 22 x G 1/2 M *	22	G 1/2" M	✓	✓	✓	1.50	1.25	1.25	6	1	90522
T-plus 28 x Rp 3/4	28	Rp 3/4"	✓	✓	✓	1.50	1.50	1.25	10	1	90528
T-plus 35 x Rp 3/4	35	Rp 3/4"	✓	✓	✓	1.50	1.50	1.50	10	1	90535
T-plus 42 x Rp 3/4	42	Rp 3/4"	✓	✓	-	1.50	1.50	-	10	1	90542

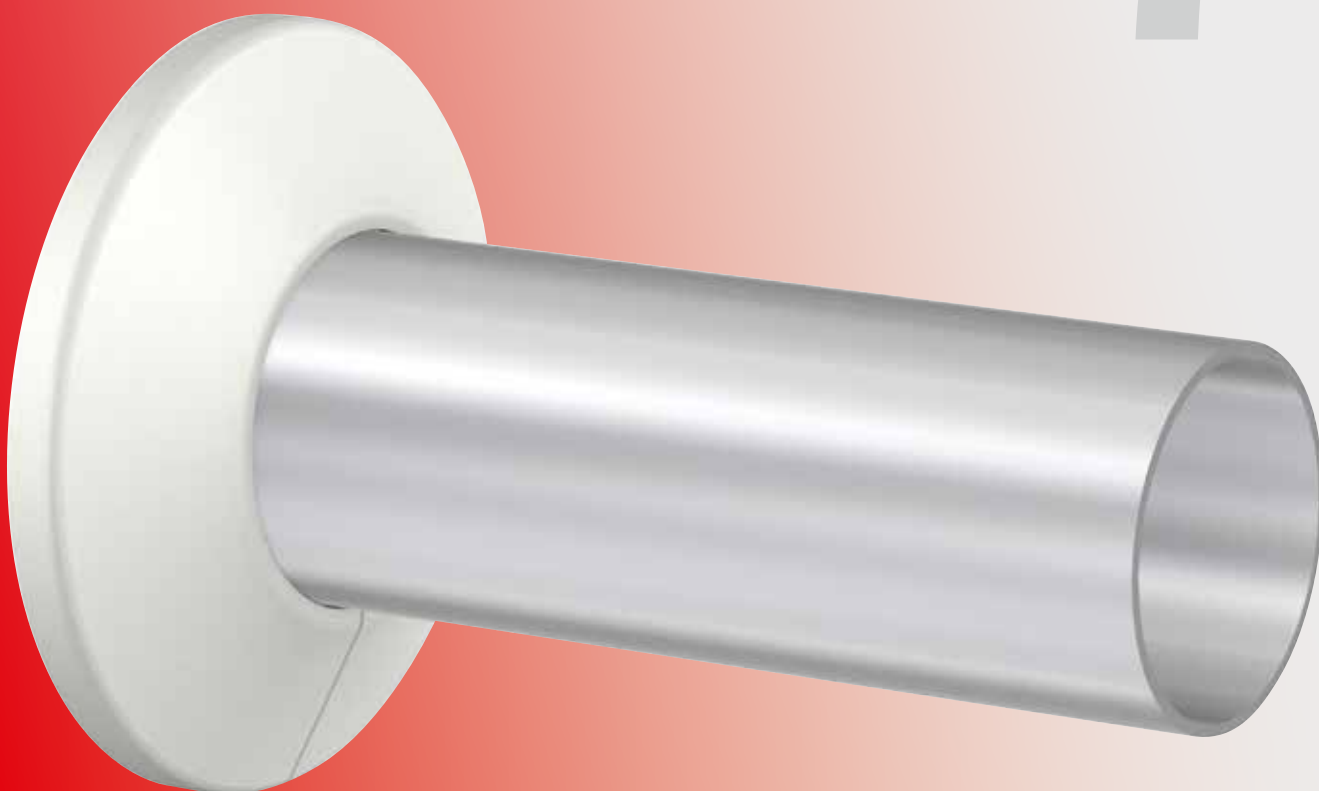
* Complete with coupling 15 mm compr. fittings.



Pipe Escutcheons

7

7



When piping passes through a wall, ceiling or floor the fitting of Flamco escutcheons ensures that the installation is completed professionally and is pleasing to the eye. They are both functional and effective as they cover any unsightly or over-drilled holes. They are sleek in design and are available in various shapes and colours. The comprehensive Flamco range of escutcheons provides that final finishing touch.

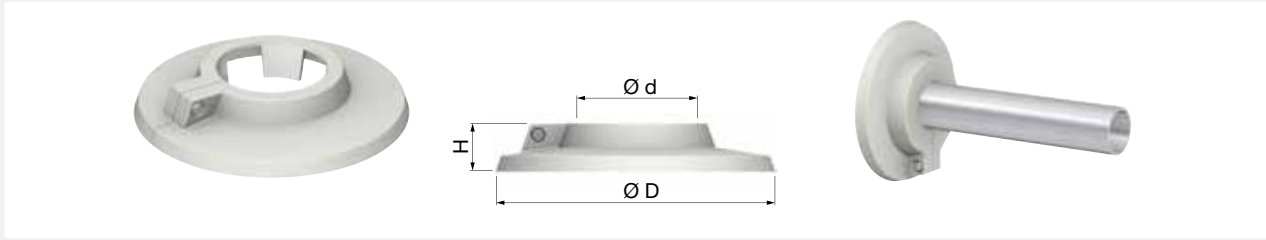
STANDARD PIPE ESCUTCHEONS


A neat and efficient method of concealing pipe holes in floors, walls and ceilings.

- Manufactured from polypropylene.
- Suitable for temperatures up to 120 °C.
- Has clamping lips, so that the escutcheons cannot slide.

RK Pipe Escutcheons

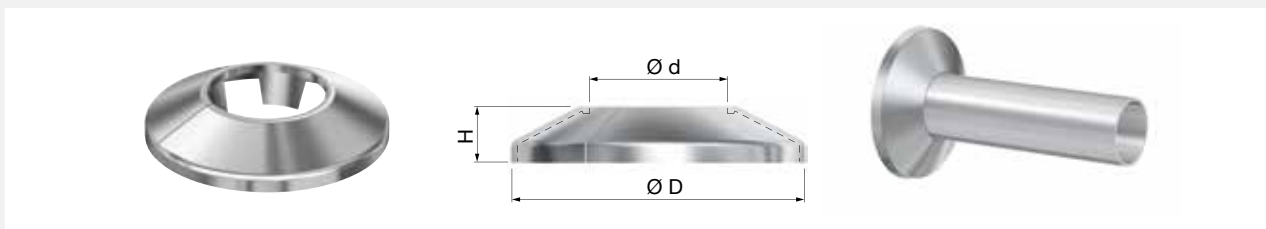
- Snap-on fitting bracket (pin-hole fastening).
- Colour: Gray.




Type	Ø Pipe		Dimensions				Order Code
	Nom. ["]	Ext. dia. [mm]	Ø d [mm]	H [mm]	Ø D [mm]		
RK 3/8	3/8"	18	18	12	55	50	12300
RK 1/2	1/2"	22	22	12	55	50	12301
RK 3/4	3/4"	28	28	12	60	50	12302
RK 1	1"	35	35	12	68	50	12303
RK 1 1/4	1 1/4"	42.9	42.9	12	75	50	12304
RK 1 1/2	1 1/2"	48.8	48.8	12	88	50	12305
RK 2	2"	60.8	60.8	12.5	109	50	12306

RVC Pipe Escutcheons

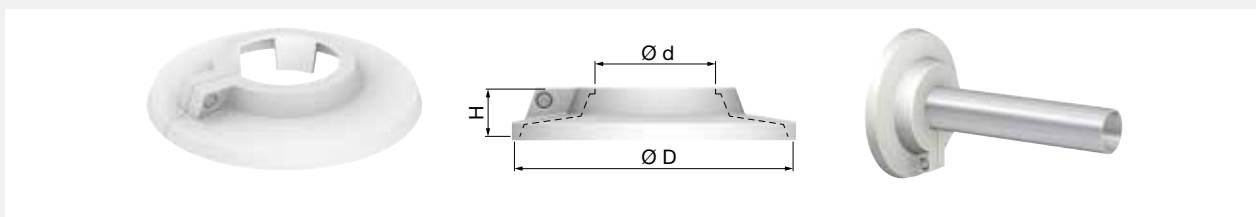
- Dovetail joint.
- Chromium-plated.




Type	Ø Pipe		Dimensions				Order Code
	Nom. ["]	Ext. dia. [mm]	Ø d [mm]	H [mm]	Ø D [mm]		
RVC 1/8	1/8"	10	10	11.6	40	50	12460
RVC 12	-	12	12	11.6	42	50	12462
RVC 15	-	15	15	11.6	45	50	12465
RVC 3/8	3/8"	18	18	11.6	48	50	12450
RVC 1/2	1/2"	22	22	11.3	52	50	12451
RVC 3/4	3/4"	28	28	11.3	58	50	12454

RKW Pipe Escutcheons

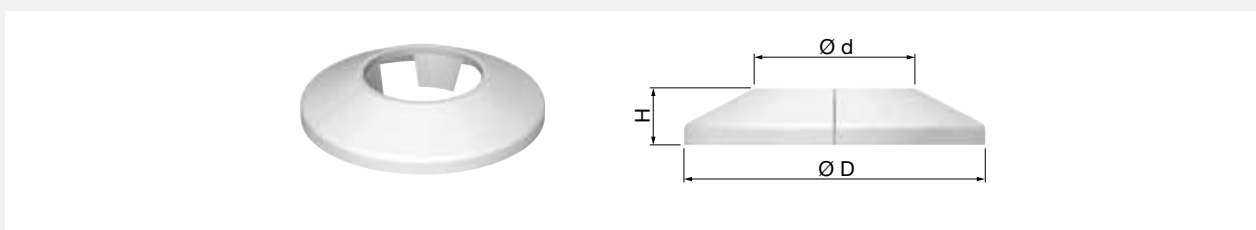
- Snap-on fitting bracket (pin-hole fastening).
- Colour: White.




Type	Ø Pipe		Dimensions				Order Code
	Nom. ["]	Ext. dia. [mm]	Ø d [mm]	H [mm]	Ø D [mm]		
RKW 8	-	8	8	12	40	50	12108
RKW 1/8	1/8"	10	10	12	40	50	12110
RKW 12	-	12	12	12	40	50	12112
RKW 1/4	1/4"	14	14	12	55	50	12114
RKW 15	-	15	15	12	55	50	12115
RKW 16	-	16	16	12	55	50	12116
RKW 3/8	3/8"	18	18	12	55	50	12100
RKW 20	-	20	20	12	55	50	12120
RKW 1/2 - 22	1/2"	22	22	12	60	50	12101
RKW 25	-	25	25	12	60	50	12125
RKW 3/4	3/4"	28	28	12	68	50	12102
RKW 1	1"	35	35	12	75	50	12103
RKW 1 1/4	1 1/4"	42.9	42.9	12	88	50	12104
RKW 1 1/2	1 1/2"	48.8	48.8	12	95	50	12105
RKW 57	-	57.6	57.6	12.5	109	50	12157
RKW 2	2"	60.8	60.8	12.5	109	50	12106

RV Pipe Escutcheons

- Dovetail joint.
- Colour: White.



Type	Ø Pipe		Dimensions				Order Code
	Nom. ["]	Ext. dia. [mm]	Ø d [mm]	H. [mm]	Ø D [mm]		
RV 1/8	1/8"	10	10	11.6	40	50	12410
RV 12	-	12	12	11.6	42	50	12412
RV 15	-	15	15	11.6	45	50	12415
RV 3/8	3/8"	18	18	11.6	48	50	12400
RV 1/2	1/2"	22	22	11.3	52	50	12401
RV 3/4	3/4"	28	28	11.3	58	50	12404

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Flamco B.V.
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