KE KELIT®
CLIMATE CONTROL SYSTEMS

Accessories for Heating and Cooling Installations

3

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.

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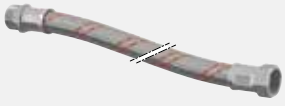

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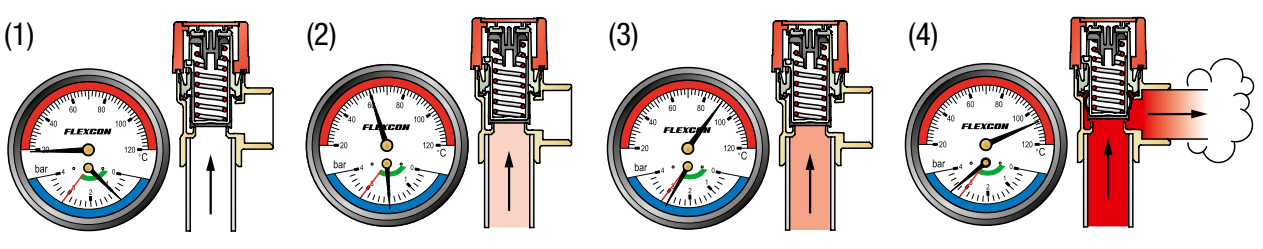
SAFETY VALVES

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".

How a Prescor works

(1) The sealed system is cold.
(2) When the system heats up, the water inside will expand.
(3) The pressure in the system rises.
(4) When the pressure exceeds the set pressure of the the Prescor valve it opens and the excess pressure is discharged.

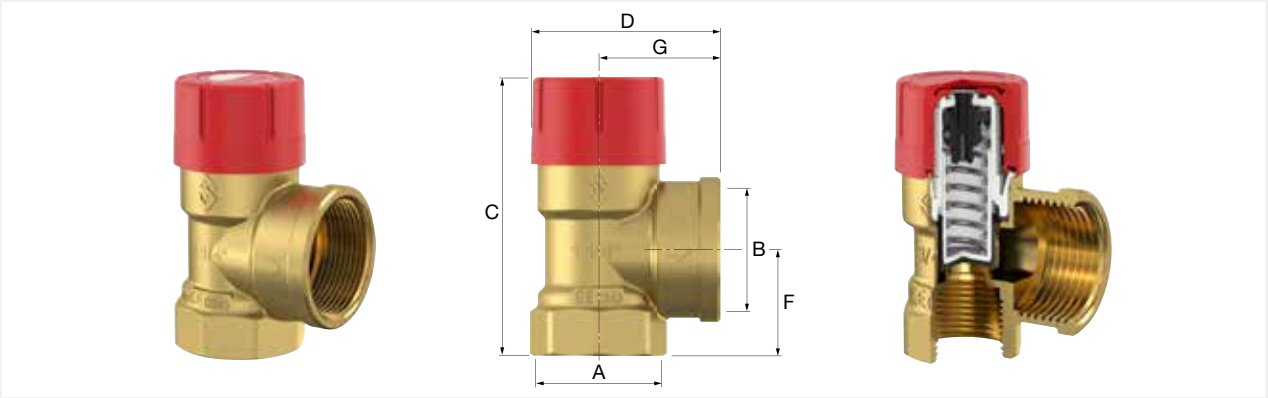


Prescor

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.



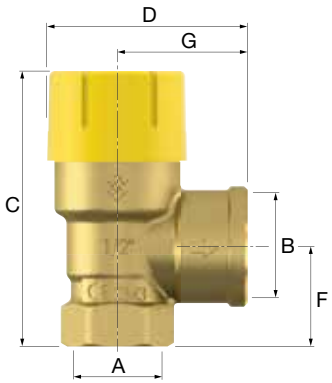
Type	Set pressure [bar]	Connection A	Connection B	Dimensions C [mm]	Dimensions D [mm]	Dimensions F [mm]	Dimensions G [mm]	Heating capacity [kW]		Order Code
Prescor 1/2	1.5	Rp 1/2"	Rp 1/2"	68.7	47.2	21.5	28.5	85	50	27608
Prescor 1/2	1.8	Rp 1/2"	Rp 1/2"	68.7	47.2	21.5	28.5	95	50	27602
Prescor 1/2	3.0	Rp 1/2"	Rp 1/2"	68.7	47.2	21.5	28.5	125	50	27665
Prescor 1/2	4.0	Rp 1/2"	Rp 1/2"	68.7	47.2	21.5	28.5	155	50	27606
Prescor 1/2 M	3.0	R 1/2"	Rp 1/2"	81.2	47.2	19	28.5	125	50	27675
Prescor 1/2 *	2.5	Rp 1/2"	Rp 3/4"	74.7	53.2	26.5	34.5	50	50	27630
Prescor 1/2 *	3.0	Rp 1/2"	Rp 3/4"	74.7	53.2	26.5	34.5	50	50	27634
Prescor 1/2 M x K 15	1.5	R 1/2"	K 15	81.2	60.5	34	42	80	40	28225
Prescor 1/2 M x K 15	2.5	R 1/2"	K 15	81.2	60.5	34	42	105	40	28227
Prescor 1/2 NF	3.0	Rp 1/2"	Rp 1/2"	68.7	47.2	21.5	28.5	125	50	27609
Prescor 1/2 M NF	3.0	R 1/2"	Rp 1/2"	81.2	47.2	19	28.5	125	100	27618
Prescor 3/4	1.5	Rp 3/4"	Rp 3/4"	70.9	49.2	23.5	30.5	115	50	27023
Prescor 3/4	1.8	Rp 3/4"	Rp 3/4"	70.9	49.2	23.5	30.5	125	50	27021
Prescor 3/4	2.5	Rp 3/4"	Rp 3/4"	70.9	49.2	23.5	30.5	150	50	27026
Prescor 3/4	3.0	Rp 3/4"	Rp 3/4"	70.9	49.2	23.5	30.5	165	50	27025
Prescor 3/4	4.0	Rp 3/4"	Rp 3/4"	70.9	49.2	23.5	30.5	200	50	27028
Prescor 3/4 *	3.0	Rp 3/4"	Rp 1"	76.8	55.2	29.5	36.5	100	40	27024
Prescor 3/4 *	2.5	Rp 3/4"	Rp 1"	76.8	55.2	29.5	36.5	100	40	27020
Prescor DN 20- 2,0 bar	2.0	Rp 3/4"	Rp 3/4"	70.9	49.2	23.5	30.5	135	50	28280
Prescor 3/4 M x K 22	1.5	R 3/4"	K 22	85.4	58.6	38	40	105	40	28330
Prescor 3/4 M x K 22	2.0	R 3/4"	K 22	85.4	58.6	38	40	120	40	28331
Prescor 3/4 M x K 22	2.5	R 3/4"	K 22	85.4	58.6	38	40	135	40	28332
Prescor 3/4 M x K 22	3.0	R 3/4"	K 22	85.4	58.6	38	40	150	40	28333
Prescor 3/4 M x K 22	3.5	R 3/4"	K 22	85.4	58.6	38	40	170	40	28334
Prescor 1	1.5	Rp 1"	Rp 1 1/4"	100.5	73.2	36	47	275	16	27042
Prescor 1	2.0	Rp 1"	Rp 1 1/4"	100.5	73.2	36	47	320	16	27043
Prescor 1	3.0	Rp 1"	Rp 1 1/4"	100.5	73.2	36	47	395	16	27045
Prescor 1	3.5	Rp 1"	Rp 1 1/4"	100.5	73.2	36	47	445	16	27047
Prescor 1	4.0	Rp 1"	Rp 1 1/4"	100.5	73.2	36	47	485	16	27040
Prescor 1	5.0	Rp 1"	Rp 1 1/4"	100.5	73.2	36	47	580	16	27049
Prescor 1 *	3.0	Rp 1"	Rp 1 1/4"	100.5	73.2	36	47	200	16	27048
Prescor 1 *	2.5	Rp 1"	Rp 1 1/4"	100.5	73.2	36	47	200	16	27044
Prescor DN 25 - 2,5 bar	2.5	Rp 1"	Rp 1 1/4"	100.5	73.2	36	47	355	16	27034
Prescor 1 1/4	3.0	Rp 1 1/4"	Rp 1 1/2"	108.5	73.5	41	47	580	16	27056
Prescor 1 1/4	4.0	Rp 1 1/4"	Rp 1 1/2"	108.5	73.5	41	47	710	16	27037
Prescor 1 1/4	5.0	Rp 1 1/4"	Rp 1 1/2"	108.5	73.5	41	47	845	16	27039
Prescor 1 1/4 *	2.5	Rp 1 1/4"	Rp 1 1/2"	108.5	73.5	41	47	350	16	27055
Prescor 1 1/4 *	3.0	Rp 1 1/4"	Rp 1 1/2"	108.5	73.5	41	47	350	16	27057

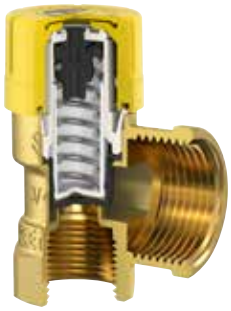
* Manufactured according to TRD directives.

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.





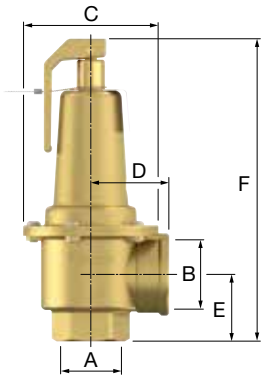
Type	Set pressure [bar]	Connection A	Connection B	Dimensions C [mm]	Dimensions D [mm]	Dimensions F [mm]	Dimensions G [mm]	Heating capacity [kW]		Order Code
Prescor Solar ½	3.0	Rp ½"	Rp ¾"	75	54	26.5	34.5	50	40	28310
Prescor Solar ½	6.0	Rp ½"	Rp ¾"	75	54	26.5	34.5	50	40	28311
Prescor Solar ½	8.0	Rp ½"	Rp ¾"	75	54	26.5	34.5	50	40	28312
Prescor Solar ¾	6.0	Rp ¾"	Rp 1"	77	56	29.5	36.5	100	40	28316
Prescor Solar ¾	8.0	Rp ¾"	Rp 1"	77	56	29.5	36.5	100	40	28317
Prescor Solar 1	6.0	Rp 1"	Rp 1 ¼"	101	74	36.0	47	200	16	28321
Prescor Solar 1	8.0	Rp 1"	Rp 1 ¼"	101	74	36.0	47	200	16	28322
Prescor Solar 1	10.0	Rp 1"	Rp 1 ¼"	101	74	36.0	47	200	16	28323

Prescor S

For sealed central heating and chilled water (cooling) installations.

- Ideal safeguard for larger systems.
- More than one Prescor S safety valve may be fitted to a system so that it can meet the required capacity if the applicable regulations allow.
- With diaphragm that protects the spring, preventing water leakage via the spindle.

- Minimum/Maximum working temperature: -10 °C / 120 °C.
- Suitable for addition of glycol-based anti-freeze up to 50%.



Type	Set pressure [bar]	Connection		Dimensions				Heating capacity [kW]		Order Code
		A	B	C [mm]	D [mm]	E [mm]	F [mm]			
Prescor S 700 1 1/4	3.0	1 1/4" F	1 1/2" F	95	55	47	213	810	1	29203
Prescor S 700 1 1/4	3.5	1 1/4" F	1 1/2" F	95	55	47	213	911	1	29204
Prescor S 700 1 1/4	4.0	1 1/4" F	1 1/2" F	95	55	47	213	1013	1	29205
Prescor S 700 1 1/4	4.5	1 1/4" F	1 1/2" F	95	55	47	213	1117	1	29206
Prescor S 700 1 1/4	5.0	1 1/4" F	1 1/2" F	95	55	47	213	1220	1	29207
Prescor S 700 1 1/4	6.0	1 1/4" F	1 1/2" F	95	55	47	213	1426	1	29208
Prescor S 700 1 1/4	7.0	1 1/4" F	1 1/2" F	95	55	47	213	1632	1	29209
Prescor S 700 1 1/4	8.0	1 1/4" F	1 1/2" F	95	55	47	213	1839	1	29210
Prescor S 700 1 1/4	10.0	1 1/4" F	1 1/2" F	95	55	47	213	2252	1	29211
Prescor S 960 1 1/2	3.0	G 1 1/2" F	G 2" F	95	60	47	220	1120	1	29223
Prescor S 960 1 1/2	3.5	G 1 1/2" F	G 2" F	95	60	47	220	1289	1	29224
Prescor S 960 1 1/2	4.0	G 1 1/2" F	G 2" F	95	60	47	220	1435	1	29225
Prescor S 960 1 1/2	4.5	G 1 1/2" F	G 2" F	95	60	47	220	1581	1	29226
Prescor S 960 1 1/2	5.0	G 1 1/2" F	G 2" F	95	60	47	220	1727	1	29227
Prescor S 960 1 1/2	6.0	G 1 1/2" F	G 2" F	95	60	47	220	2019	1	29228
Prescor S 960 1 1/2	7.0	G 1 1/2" F	G 2" F	95	60	47	220	2312	1	29229
Prescor S 960 1 1/2	8.0	G 1 1/2" F	G 2" F	95	60	47	220	2604	1	29230
Prescor S 960 1 1/2	10.0	G 1 1/2" F	G 2" F	95	60	47	220	3188	1	29231
Prescor S 1700 2	3.0	G 2" F	G 2 1/2" F	127	85	76	293	1980	1	29243
Prescor S 1700 2	3.5	G 2" F	G 2 1/2" F	127	85	76	293	2259	1	29244
Prescor S 1700 2	4.0	G 2" F	G 2 1/2" F	127	85	76	293	2515	1	29245
Prescor S 1700 2	4.5	G 2" F	G 2 1/2" F	127	85	76	293	2772	1	29246
Prescor S 1700 2	5.0	G 2" F	G 2 1/2" F	127	85	76	293	3028	1	29247
Prescor S 1700 2	6.0	G 2" F	G 2 1/2" F	127	85	76	293	3540	1	29248
Prescor S 1700 2	7.0	G 2" F	G 2 1/2" F	127	85	76	293	4053	1	29249
Prescor S 1700 2	8.0	G 2" F	G 2 1/2" F	127	85	76	293	4565	1	29250
Prescor S 1700 2	10.0	G 2" F	G 2 1/2" F	127	85	76	293	5590	1	29251
Prescor S 600 1 1/2 *	3.0	G 1 1/2" F	G 2" F	95	60	47	220	600	1	29521
Prescor S 900 2 *	3.0	G 2" F	G 2 1/2" F	95	80	61	278	900	1	29531

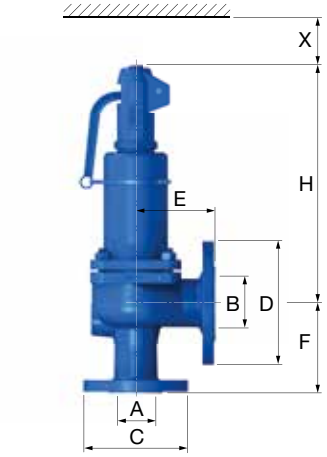
* Produced according to TRD directives.

CE

Full-stroke safety valve

For heating installations according to DIN EN 12828.

- Produced according to TRD directives.
- Cast iron body (PN 10).
- Suitable for addition of glycol-based anti-freeze up to 50%.
- Maximum working temperature: 120 °C.



Selection Table for full-stroke safety valve

Set-pressure [bar]	Connection (A)									
	DN 20 [kW]	DN 25 [kW]	DN 32 [kW]	DN 40 [kW]	DN 50 [kW]	DN 65 [kW]	DN 80 [kW]	DN 100 [kW]	DN 125 [kW]	DN 150 [kW]
1.0	124	193	321	495	774	1310	1980	3095	3680	5120
1.5	164	257	427	658	1030	1740	2630	4110	4870	6770
2.0	183	285	474	731	1140	1930	2920	4570	6060	8430
2.5	217	340	565	870	1360	2300	3480	5440	7120	9900
3.0	250	391	649	1000	1560	2640	4000	6250	8190	11400
3.5	283	442	735	1130	1770	2990	4530	7070	9150	12700
4.0	312	488	810	1250	1950	3300	5000	7800	10200	14200
4.5	341	533	885	1350	2130	3600	5460	8520	11100	15600
5.0	370	578	960	1480	2310	3900	5910	9240	12100	16900
5.5	398	622	1030	1590	2490	4200	6370	9950	13000	18200
6.0	426	666	1100	1700	2660	4500	6820	10600	14000	19400
6.5	454	709	1180	1810	2840	4790	7260	11300	14900	20700
7.0	481	752	1250	1930	3000	5080	7700	12000	15800	22000
7.5	509	795	1320	2030	3180	5370	8140	12700	16700	23200
8.0	536	837	1390	2140	3350	5660	8580	13400	17600	24500
9.0	590	921	1630	2360	3685	6230	9435	14740	19340	26900
10.0	643	1000	1670	2570	4010	6790	10300	16000	21100	29300

Full-stroke safety valve

Type	Set pressure [bar]	Connection A [DN]	Connection B [DN]	Dimensions C [mm]	D [mm]	E [mm]	F [mm]	H [mm]	X [mm]	Weight [kg]		Order Code
Full-stroke safety valve 20	2.5	20	32	105	140	85	95	270	150	8.5	1	29541
Full-stroke safety valve 20	3.0	20	32	105	140	85	95	270	150	8.5	1	29542
Full-stroke safety valve 20	3.5	20	32	105	140	85	95	270	150	8.5	1	29543
Full-stroke safety valve 20	4.0	20	32	105	140	85	95	270	150	8.5	1	29544
Full-stroke safety valve 20	4.5	20	32	105	140	85	95	270	150	8.5	1	29545
Full-stroke safety valve 20	5.0	20	32	105	140	85	95	270	150	8.5	1	29546
Full-stroke safety valve 20	5.5	20	32	105	140	85	95	270	150	8.5	1	29547
Full-stroke safety valve 20	6.0	20	32	105	140	85	95	270	150	8.5	1	29548
Full-stroke safety valve 20	*	20	32	105	140	85	95	270	150	8.5	1	27080
Full-stroke safety valve 25	2.5	25	40	115	150	100	105	280	150	9.5	1	29551
Full-stroke safety valve 25	3.0	25	40	115	150	100	105	280	150	9.5	1	29552
Full-stroke safety valve 25	3.5	25	40	115	150	100	105	280	150	9.5	1	29553
Full-stroke safety valve 25	4.0	25	40	115	150	100	105	280	150	9.5	1	29554
Full-stroke safety valve 25	4.5	25	40	115	150	100	105	280	150	9.5	1	29555
Full-stroke safety valve 25	5.0	25	40	115	150	100	105	280	150	9.5	1	29556
Full-stroke safety valve 25	5.5	25	40	115	150	100	105	280	150	9.5	1	29557
Full-stroke safety valve 25	6.0	25	40	115	150	100	105	280	150	9.5	1	29558
Full-stroke safety valve 25	*	25	40	115	150	100	105	280	150	9.5	1	27081
Full-stroke safety valve 32	2.5	32	50	140	165	110	115	330	200	13.5	1	29561
Full-stroke safety valve 32	3.0	32	50	140	165	110	115	330	200	13.5	1	29562
Full-stroke safety valve 32	3.5	32	50	140	165	110	115	330	200	13.5	1	29563
Full-stroke safety valve 32	4.0	32	50	140	165	110	115	330	200	13.5	1	29564
Full-stroke safety valve 32	4.5	32	50	140	165	110	115	330	200	13.5	1	29565
Full-stroke safety valve 32	5.0	32	50	140	165	110	115	330	200	13.5	1	29566
Full-stroke safety valve 32	5.5	32	50	140	165	110	115	330	200	13.5	1	29567
Full-stroke safety valve 32	6.0	32	50	140	165	110	115	330	200	13.5	1	29568
Full-stroke safety valve 32	*	32	50	140	165	110	115	330	200	13.5	1	27082
Full-stroke safety valve 40	2.5	40	65	150	185	115	140	390	250	20	1	29571
Full-stroke safety valve 40	3.0	40	65	150	185	115	140	390	250	20	1	29572
Full-stroke safety valve 40	3.5	40	65	150	185	115	140	390	250	20	1	29573
Full-stroke safety valve 40	4.0	40	65	150	185	115	140	390	250	20	1	29574
Full-stroke safety valve 40	4.5	40	65	150	185	115	140	390	250	20	1	29575
Full-stroke safety valve 40	5.0	40	65	150	185	115	140	390	250	20	1	29576
Full-stroke safety valve 40	5.5	40	65	150	185	115	140	390	250	20	1	29577
Full-stroke safety valve 40	6.0	40	65	150	185	115	140	390	250	20	1	29578
Full-stroke safety valve 40	*	40	65	150	185	115	140	390	250	20	1	27083
Full-stroke safety valve 50	2.5	50	80	165	200	120	150	435	300	26	1	29581
Full-stroke safety valve 50	3.0	50	80	165	200	120	150	435	300	26	1	29582
Full-stroke safety valve 50	3.5	50	80	165	200	120	150	435	300	26	1	29583
Full-stroke safety valve 50	4.0	50	80	165	200	120	150	435	300	26	1	29584
Full-stroke safety valve 50	4.5	50	80	165	200	120	150	435	300	26	1	29585
Full-stroke safety valve 50	5.0	50	80	165	200	120	150	435	300	26	1	29586
Full-stroke safety valve 50	5.5	50	80	165	200	120	150	435	300	26	1	29587
Full-stroke safety valve 50	6.0	50	80	165	200	120	150	435	300	26	1	29588
Full-stroke safety valve 50	*	50	80	165	200	120	150	435	300	26	1	27084
Full-stroke safety valve 65	2.5	65	100	185	220	140	170	545	350	39	1	29591
Full-stroke safety valve 65	3.0	65	100	185	220	140	170	545	350	39	1	29592
Full-stroke safety valve 65	3.5	65	100	185	220	140	170	545	350	39	1	29593
Full-stroke safety valve 65	4.0	65	100	185	220	140	170	545	350	39	1	29594
Full-stroke safety valve 65	4.5	65	100	185	220	140	170	545	350	39	1	29595
Full-stroke safety valve 65	5.0	65	100	185	220	140	170	545	350	39	1	29596
Full-stroke safety valve 65	5.5	65	100	185	220	140	170	545	350	39	1	29597
Full-stroke safety valve 65	6.0	65	100	185	220	140	170	545	350	39	1	29598
Full-stroke safety valve 65	*	65	100	185	220	140	170	545	350	39	1	27085
Full-stroke safety valve 80	*	80	125	200	250	160	195	610	400	53	1	27086
Full-stroke safety valve 100	*	100	150	220	285	180	220	690	500	82	1	27087
Full-stroke safety valve 125	*	125	200	250	340	200	250	845	500	125	1	27088
Full-stroke safety valve 150	*	150	200	285	405	225	285	890	500	165	1	27089

* Specify set-pressure when ordering between 1.0 bar and 10.0 bar.

Safety valve

For closed refrigeration, cooling and air conditioning systems.

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

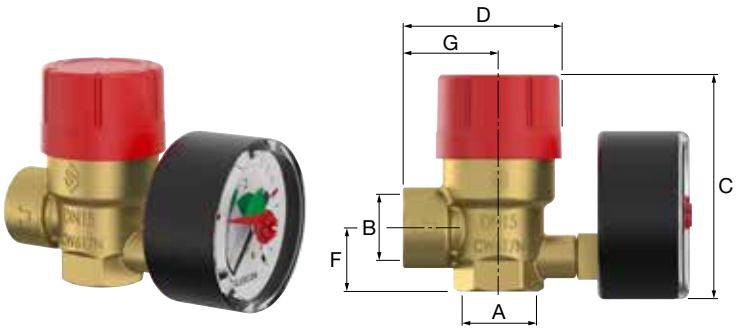
Type	Actuation pressure [bar]	Connection		Order Code
Safety valve 1/2	1.0	1/2" F	1	29491
Safety valve 1/2	1.5	1/2" F	1	29489
Safety valve 1/2	2.0	1/2" F	1	29492
Safety valve 1/2	2.5	1/2" F	1	29479
Safety valve 1/2	3.0	1/2" F	1	29494
Safety valve 1/2	3.5	1/2" F	1	29493
Safety valve 1/2	4.0	1/2" F	1	29496
Safety valve 1/2	4.5	1/2" F	1	29497
Safety valve 1/2	5.0	1/2" F	1	29498
Safety valve 1/2	5.5	1/2" F	1	29499
Safety valve 1/2	6.0	1/2" F	1	29490
Safety valve 1/2	6.5	1/2" F	1	29440
Safety valve 1/2	7.0	1/2" F	1	29441
Safety valve 1/2	7.5	1/2" F	1	29442
Safety valve 1/2	8.0	1/2" F	1	29484
Safety valve 1/2	*	1/2" F	1	29495

* Specify set-pressure when ordering between 1.0 bar and 16.0 bar.

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.

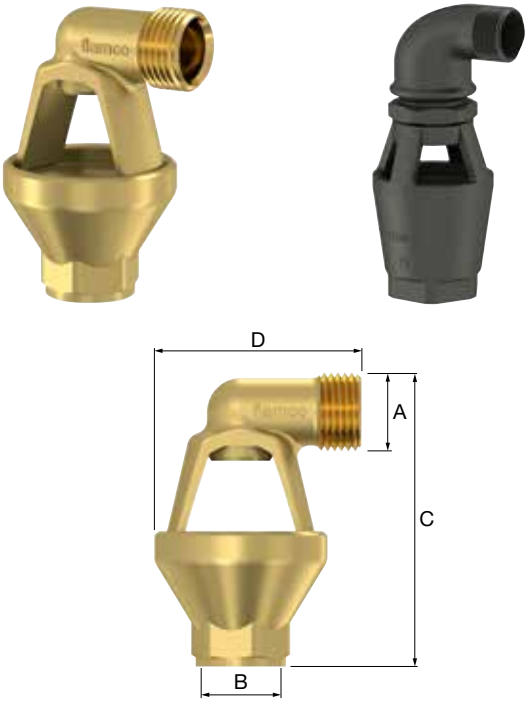


Type	Set pressure [bar]	Connection A	Connection B	Dimensions C [mm]	Dimensions D [mm]	Dimensions F [mm]	Dimensions G [mm]	Heating capacity [kW]		Order Code
Prescomano 1/2 *	2.5	Rp 1/2"	Rp 3/4"	74.7	87.8	26.5	34.5	50	20	27687
Prescomano 1/2 *	3.0	Rp 1/2"	Rp 3/4"	74.7	87.8	26.5	34.5	50	20	27686
Prescomano 1/2	3.0	Rp 1/2"	Rp 1/2"	68.7	86.0	21.5	28.5	125	20	27683
Prescomano 1/2 NF	3.0	Rp 1/2"	Rp 1/2"	68.7	86.0	21.5	28.5	125	20	27684
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.

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

FILLING DEVICES

Flexcon PA pressurisation assistant

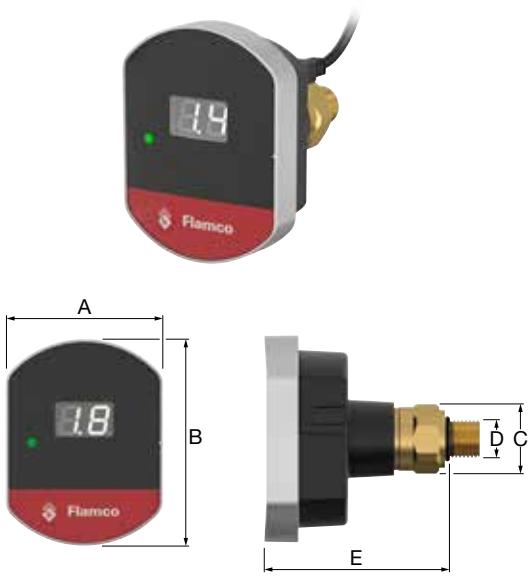
The Flamco Flexcon PA pressurisation assistant is used to monitor heating systems and to assist the installer and end-user with pressure maintenance. The Flexcon PA logs and alerts when pressurisation problems occur and assists in (or control) topping-up the heating system to the correct working pressure. 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 40000 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 / 40 °C.
- Working system pressure: 0.2 - 4 bar.



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

Flexcon PA AutoFill pressurisation assistant

The Flamco Flexcon PA AutoFill pressurisation assistant is used to monitor heating systems and to assist the installer and end-user with pressure maintenance. The Flexcon PA AutoFill 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 AutoFill comes with a smartphone/tablet application for advanced and complete delivery of system status, guided maintenance advice and an automatic filling device for complete automation of topping-up and leak detection of heating systems.

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 Flexcon PA AutoFill set includes automatic topping-up and leak detection functionality.
- The mobile app enables end customers to share event logs with their installer for remote support.
- The Flexcon PA AutoFill gives the installer eyes on site to see how the installation's pressurisation is functioning.

Specifications:

- Suitable for heating systems up to 40,000 l and for addition of glycol-based anti-freeze up to 50%.
- Power supply: 12V AC/DC adapter.
- Working system temperature: 0 °C / 90 °C.
- Working ambient temperature: 0 °C / 40 °C.
- Working system pressure: 0.2 - 4 bar.

The Flexcon PA AutoFill set includes: Flexcon PA (G ¼" M), AutoFill unit (G ½" M), t-piece (G ½" F), straight coupling (G ½" F), shut-off valve (¼" x ½"), 2x compression nut/ring (15 mm).

Type	Connection (D)	Dimensions						Order code
		A [mm]	B [mm]	C [mm]	E [mm]	F [mm]		
Flexcon PA AutoFill	G 1/2" - 15 mm (2x)	263	136	109.5	32	57	1	23761

Prescofiller

Domestic heating system filling device with safety valve and pressure gauge 0 - 4 bar.

- Prescomano and ball valve are supplied separately from the fill and drain tap, so that mounting in all positions is possible.
- Minimum/Maximum working temperature: -10 °C / 120 °C.
- Peak load: 140 °C.

Type	Set pressure [bar]	Connection		Heating capacity [kW]		Order Code
		Inlet	Outlet			
Prescofiller	3.0	1/2" M	1/2" F	125	1	27685

Manofiller

Domestic heating system filling device with pressure gauge 0 - 4 bar.

- Filling device suitable for mounting on one of the radiator connections.
- Especially interesting for situations where the pressure gauge is mounted on or at the boiler, but the filling of the installation is done in another place.
- Mounting in all positions possible.

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

Type	Connection ["]		Order Code
Manofiller	1/2" M	1	27097

SAFETY SETS

Flexcon KSG

Suitable for sealed heating and cooling systems.

- Minimum/Maximum working temperature: -10 °C / 90 °C.
- Maximum boiler capacity: 70 kW.
- Suitable for addition of glycol-based anti-freeze up to 50%.
- Safety valve: ½" x ¾", 2.5 bar (110 kW).
- Flexvent 3/8" with shut-off valve.
- Pressure gauge: Ø 61mm, 6.0 bar with shut-off valve.
- Insulation: material EPP - color: black.

Type	Set pressure [bar]	Connection	Heating capacity [kW]		Order Code
Flexcon KSG 3/4 EcoPlus	2.5	Rp 3/4"	110	6	27930

Safety Set ¾

Type	Set pressure [bar]	Connection	Heating capacity [kW]		Order Code
Safety Set 3/4	2.5	3/4"	60	1	27926

Safety Set SG

Including pressure gauge, safety valve and air remove screw.

Type	Set pressure [bar]	Connection		Order Code
Safety Set SG 3/4 - 1.5 bar	1.5	G 3/4" F	1	27919
Safety Set SG 3/4 x 22mm - 1.5 bar	1.5	G 3/4" F x 22 mm	1	27917
Safety Set SG 3/4 x 22mm - 2.0 bar	2.0	G 3/4" F x 22 mm	1	27932
Safety Set SG 3/4 x 22mm - 2.5 bar	2.5	G 3/4" F x 22 mm	1	27933

Safety set 1 ¼

Supplied complete with 2 safety valves, pressure gauge (Ø 61 mm) and Flexvent automatic airvent.

- Suitable for addition of glycol-based anti-freeze up to 50%.

Type	Set pressure [bar]	Connection	Heating capacity [kW]		Order Code
Safety set 1 1/4	2.5	1 1/4"	460	1	27973

Safety Set Armature

Type	Connection		Order Code
Safety Set Armature	G 3/4" F	1	27918

PRESSURE GAUGES

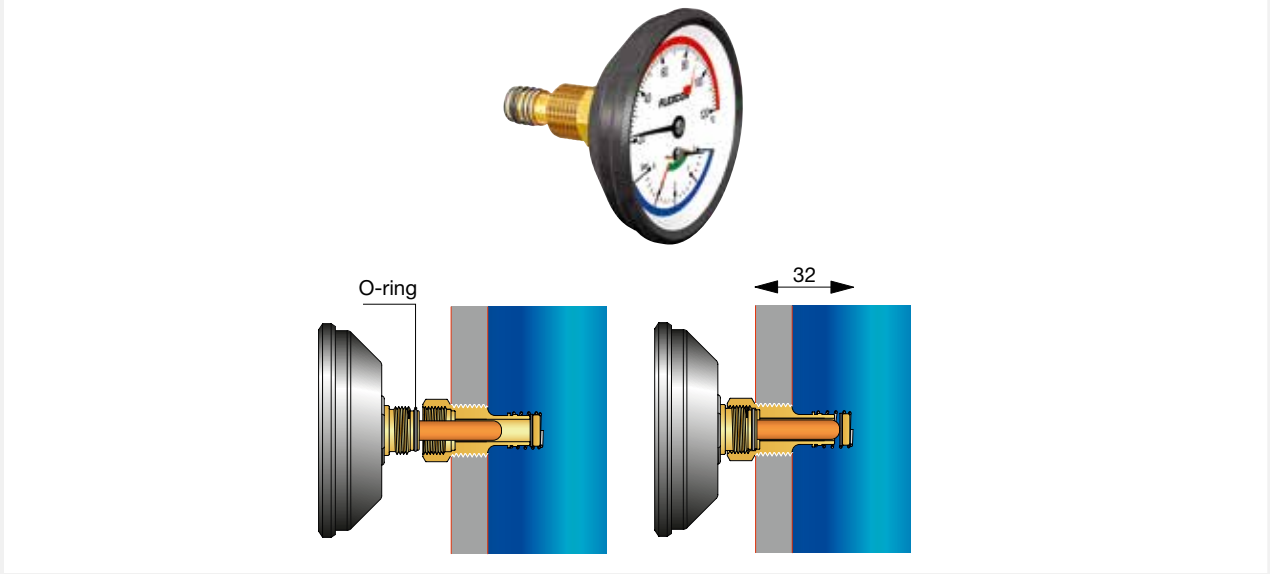
Pressure Gauges

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

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

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

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 ¾" 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.

FlexControl ¾ M

FlexControl ¾ / FlexControl 1

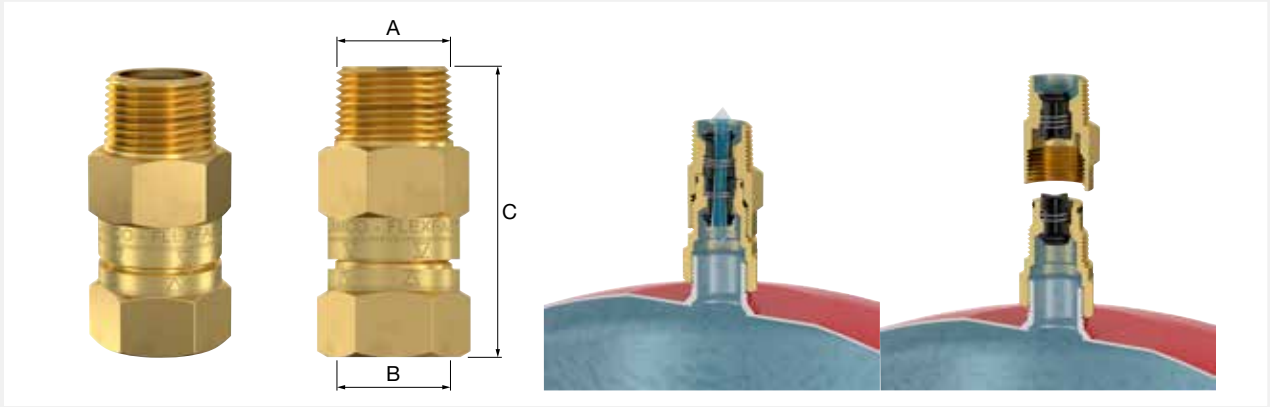
Type	Connection		Dimension C [mm]	Weight [kg]		Order Code
	A	B				
FlexControl ³/₄ M	R ³/₄"	Rp ³/₄"	60	0.24	1	28925
FlexControl ³/₄	Rp ³/₄"	G ³/₄" F	92	0.31	1	28920
FlexControl 1	Rp 1"	G 1" F	100	0.36	1	22390

Flexfast ¾

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.

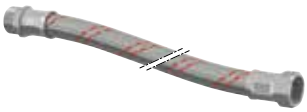
- Material: Brass.
- Suitable for addition of glycol-based anti-freeze up to 50%.
- Minimum/Maximum working temperature: -10 °C / 90 °C (continuous).
- Working pressure: 0 - 10 bar.



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

Braided hose SST

For easy connection of the expansion vessel to the central heating system.

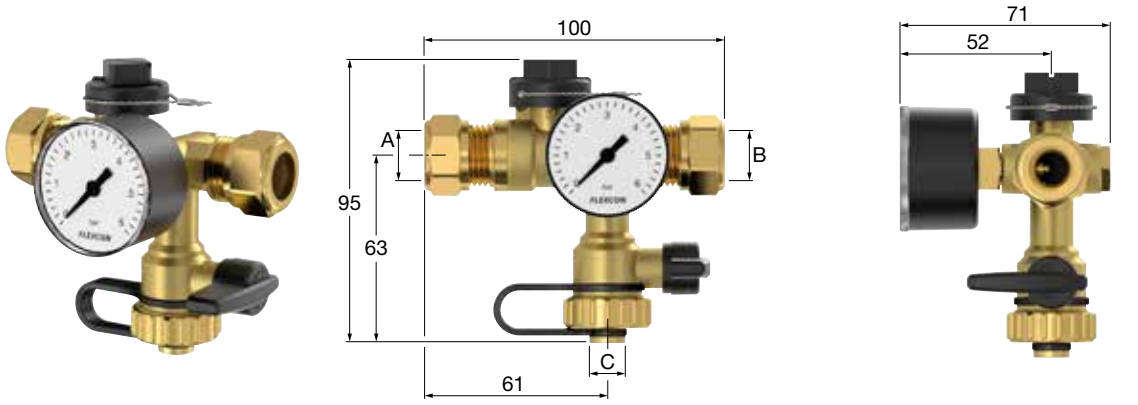


Type	Connection	Length [mm]	Internal Ø [mm]	Weight [kg]		Order Code
Braided hose SST ³/₄	³/₄" F x ³/₄" M	700	19	0.4	25	22383
Braided hose SST 1	1" F x 1" M	700	25	0.6	25	22384

Flexcon Connection Group ½ - with pressure gauge

The Flexcon connection group ½" is used for draining and/or filling the system and disconnecting an expansion vessel in heating and cooling installations.

- The set consists of a sealed ball valve including an integrated filling and drain ball valve and pressure gauge.
- Minimum/Maximum system temperature: -10 °C / 120 °C.
- System pressure: 0 - 6 bar.
- Suitable for addition of glycol-based anti-freeze up to 50%.

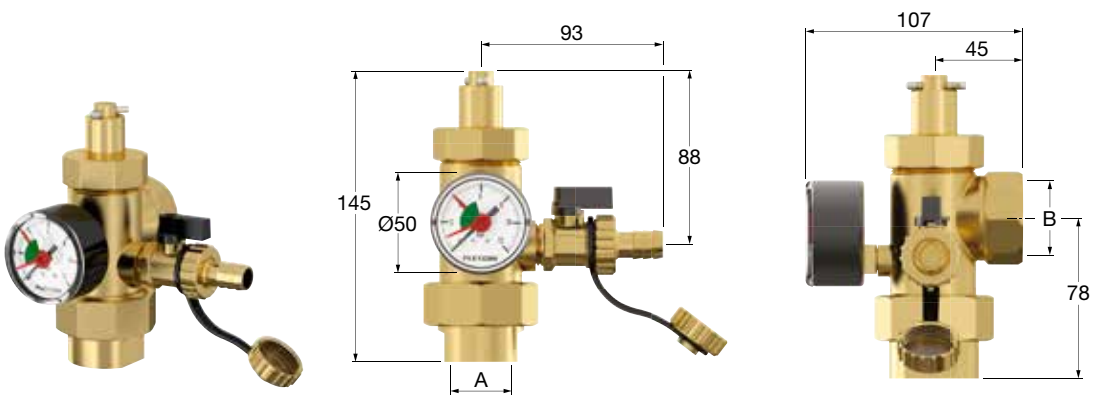


Type	Connection			With pressure gauge		Order Code
	A	B	C			
Flexcon connection group ½	R ½" / K15 *	R ½" / K15*	¾"	yes	1	27290

* Compression connection.

Flexcon Connection Group 1

Block and bleed valve for Flexcon 110 - 1000 litre expansion vessels.
The set consists of a shut-off valve, a fill/drain tap with hose nipple and pressure gauge (0 - 12 bar).



Type	Connection		With pressure gauge		Order Code
	A	B			
Flexcon connection group 1	1" F	1" F	yes	1	27293

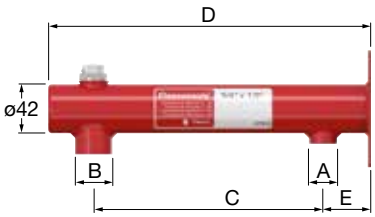
WALL MOUNTING

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

Flexconsole ¾

With the Flexconsole the Flexcon vessel is set up vertically fitted to the water connection with the water nipple fitted on connection B of the console and the expansion pipe fitted to connection A.

- Equipped with a wall plate with two slots for accurate wall mounting.
- Supplied with a ½" radiator cap plus manual deaerator.

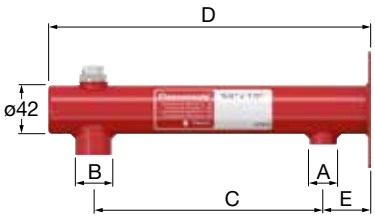


Type	Connection		Dimensions				Order Code
	A	B	C [mm]	D [mm]	E [mm]		
Flexconsole ³/₄ x ¹/₂	Rp ¹/₂"	Rp ³/₄"	195	275	41	1	27910
Flexconsole ³/₄ x ¹/₂ white	Rp ¹/₂"	Rp ³/₄"	195	275	41	1	27989
Flexconsole ³/₄ x ³/₄ D	Rp ³/₄"	Rp ³/₄"	195	275	41	10	27911

Flexconsole NPT

With the Flexconsole the Flexcon vessel is set up vertically fitted to the water connection with the water nipple fitted on connection B of the console and the expansion pipe fitted to connection A.

- Equipped with a wall plate with two slots for accurate wall mounting.
- Minimum/Maximum operating temperature: -10 °C / 120 °C (14 °F / 248 °F).
- Minimum/Maximum operating pressure: 0.2 / 10.0 bar (3 / 145 psi).
- Suitable for addition of glycol-based anti-freeze up to 50%.
- In accordance with ANSI/ASME B1.20.1.
- Application:
  97975 only suitable for hydronic systems.
  97976 only suitable for potable water.

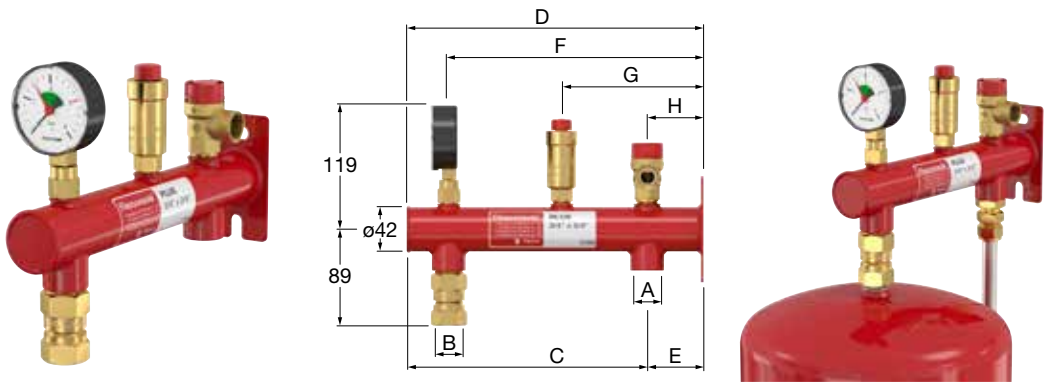


Type	Connection		Dimensions				Order Code
	A	B	C ["]	D ["]	E ["]		
Flexconsole ¹/₂ NPT x ¹/₂ NPT	¹/₂" NPT	¹/₂" NPT	7.67	10.83	1.61	1	97975
Flexconsole ³/₄ NPT x ¹/₂ NPT - SST	¹/₂" NPT	³/₄" NPT	7.67	10.83	1.61	1	97976

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 3/8 floatvent with shut off valve,
  Safety valve ½" (set pressure: 3 bar),
  Flexfast quick-release coupling,
  Fixing set.

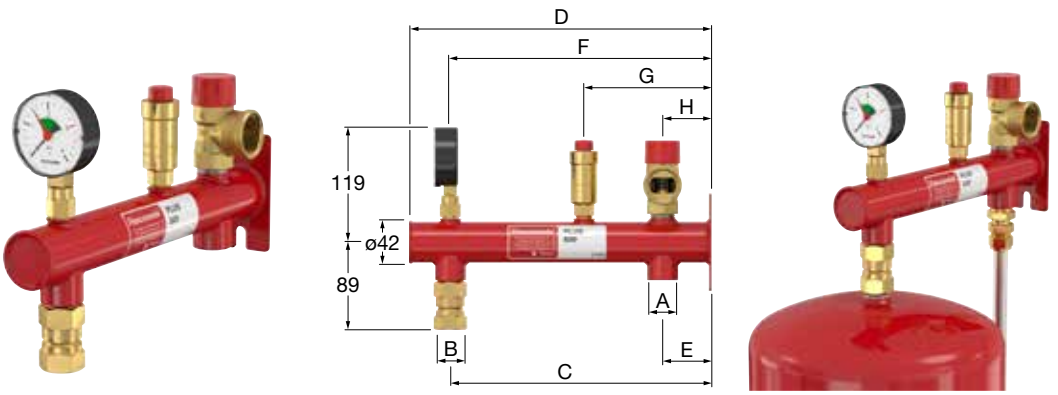


Type	Connection		Dimensions							Order Code
	A	B	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	H [mm]		
Flexconsole Plus - 3 bar	Rp 3/4"	Rp 3/4"	234	275	41	236	130	50	1	27996
Flexconsole Plus - without Flexfast - 3 bar	Rp 3/4"	Rp 3/4"	225	275	41	236	130	50	1	27988

Flexconsole Plus S 20

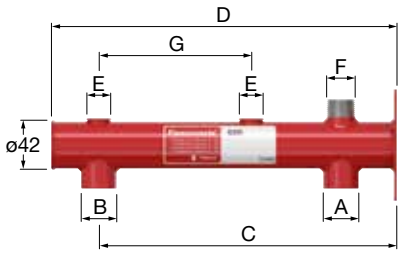
A complete product for hanging expansion vessels up to 25 litres attached to the water supply and to the wall. As the conventional Flexconsole S 20 but including accessories.

- Supplied with:
  Flexcon pressure gauge with shut off valve,
  Flexvent floatvent with shut off valve,
  Safety valve (set pressure: 1.5 bar / 2.5 bar),
  Flexfast quick-release coupling.



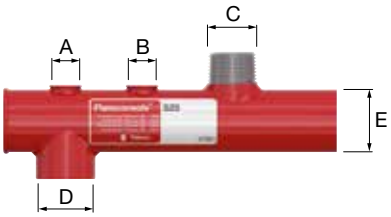
Type	Connection		Dimensions							Order Code
	A	B	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	H [mm]		
Flexconsole S 20 Plus - 1.5 bar	Rp 3/4"	Rp 3/4"	255	305	50	266	130	50	1	27994
Flexconsole S 20 Plus - 2.5 bar	Rp 3/4"	Rp 3/4"	255	305	50	266	130	50	1	27993

Flexconsole S 20



Type	Connection				Dimensions				Order Code
	A	B	E	F	C [mm]	D [mm]	G [mm]		
Flexconsole S 20	Rp 3/4"	Rp 3/4"	Rp 3/8"	R 3/4"	216	305	136	1	27992

Flamconsole S 25



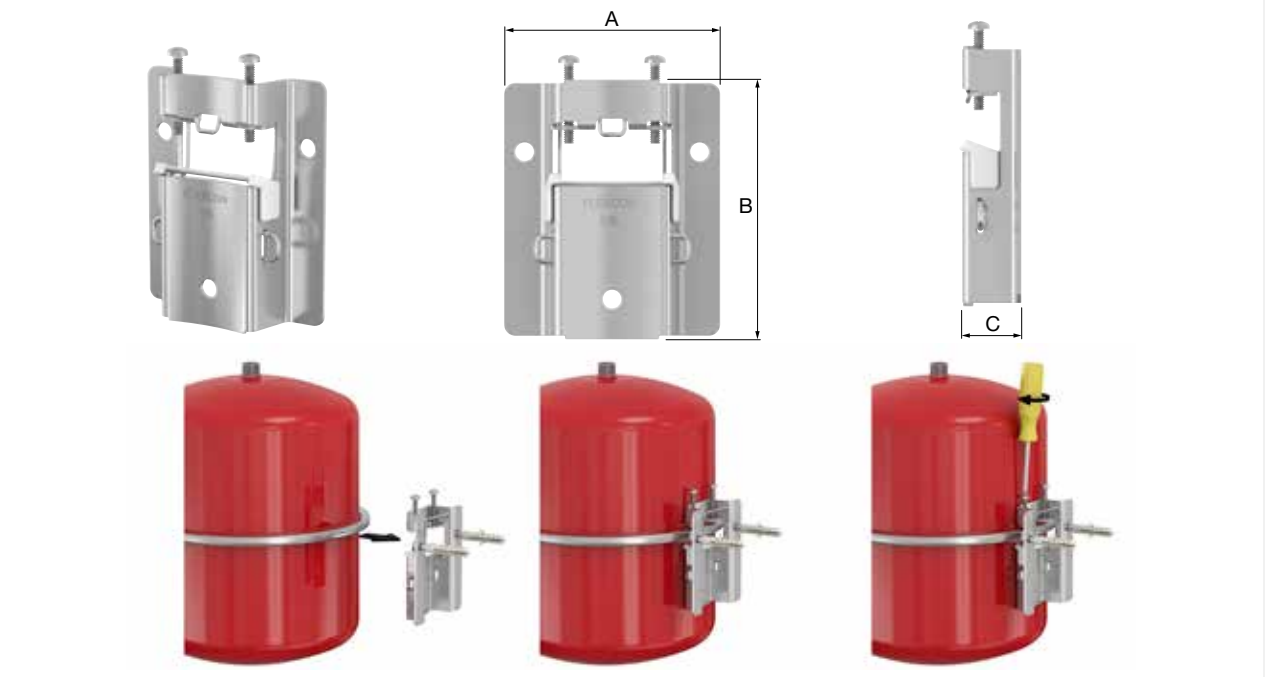
Type	Connection						Order Code
	A	B	C	D	E		
Flamconsole S 25	Rp 3/8"	Rp 3/8"	R 1"	Rp 1"	G 1"	1	27991

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.**

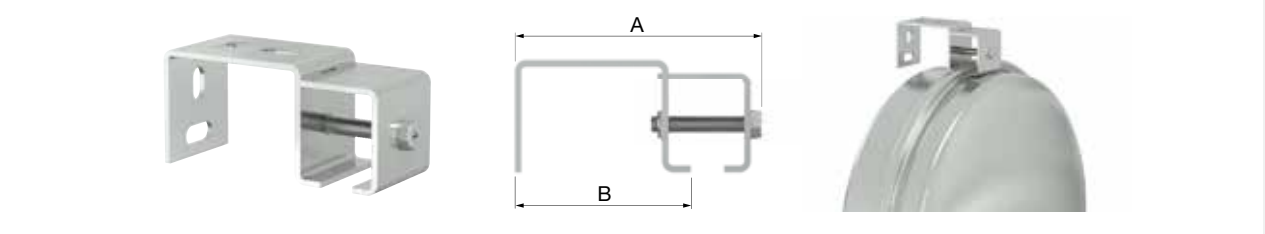


Type	Dimensions A [mm]	B [mm]	C [mm]		Order Code
Flexcon vessel support MB 2	94	113	26	25	27913
Flexcon vessel support MB 3	94	113	26	25	27903

Cubex R Bracket

For easy mounting of Cubex R vessels of 12 - 18 litres to a wall.

- Material: DD12., zinc plated.
- Cubex R expansion vessels have to be installed with the system connector facing downwards.
- Connection to the clench ring of the vessel.
- Connection of the vessel to the mounting bracket by one M 8 x 45 bolt.



Type	Dimensions A [mm]	B [mm]	Weight [kg]		Order Code
Cubex R bracket	107	80	0.3	1	27915

DOSING POTS

Mild Steel Dosing Pots

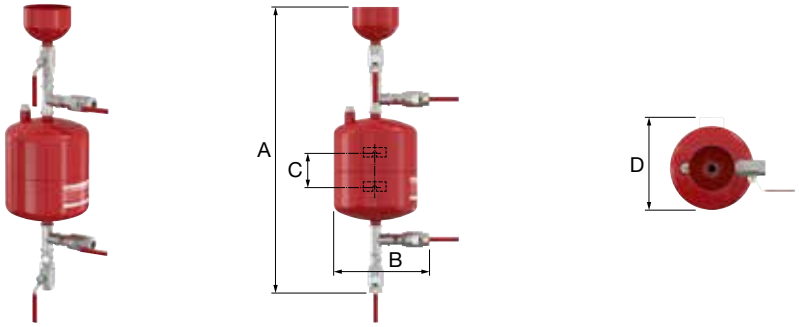
Most heating and chilled water systems require chemical dosing and the dosing pot provides a controlled method of achieving this. Dosing pots are of a mild steel welded construction, supplied fully assembled for easy installation. The unit comes complete with tundish, vessel, air vent, inlet, outlet and drain valves.

Product features:
- Supplied fully assembled.
- Simple operations.
- Increases energy efficiency.
- Extends the life of the system.
- Internally uncoated to guarantee chemical compatibility with standard installations.

- Minimum/Maximum working temperature: 5 °C / 95 °C.
- Maximum working pressure: 16 bar.

Certifications and standards applied:
- PED 2014/68/EU Article 4 Paragraph 3 Sound Engineering Practice.
- Welding BS EN281-1.
- Fitting to BS21/ISO 7-1.

Material of construction:
- Cylinder: EN/ISO S235JRG2.
- Dished ends: EN/ISO S235JRG2.
- Fittings: Galvanised steel.
- T-piece: Galvanised steel.
- Tundish: EN/ISO S235JRG2.
- Valves: Chrome plated brass.
- Exterior finishing: Epoxy powder coating – Red (RAL 3002).



Type	Dimensions			Bolt Spacing (C)	System connections	Weight [kg]		Order Code
	A [mm]	B [mm]	D [mm]					
Dosing pot 3.5 l	565	225	220	40	G ¾" F	4.9	1	17701
Dosing pot 6 l	670	225	220	90	G ¾" F	5.9	1	17702
Dosing pot 11 l	935	215	200	279	G ¾" F	9.1	1	17703
Dosing pot 15 l	1120	215	200	455	G ¾" F	9.8	1	17704
Dosing pot 18 l	1250	215	200	587	G ¾" F	10.9	1	17705
Dosing pot 25 l	937	270	295	224	G ¾" F	12.6	1	17706
Dosing pot 35 l	1122	270	295	405	G ¾" F	15.6	1	17707

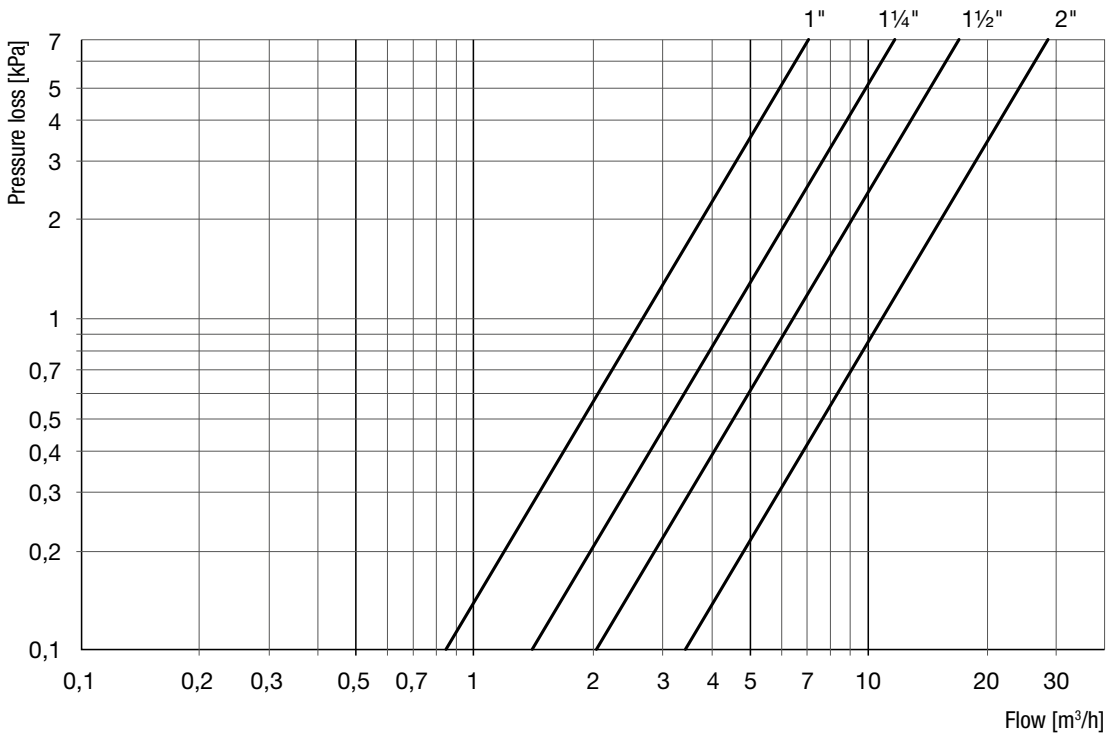
FLEXBALANCE ECOPLUS C

The FlexBalance EcoPlus C allows hydraulic separation between the primary and secondary circuits of commercial heating and cooling systems with air and dirt separation.

- No more overloaded pumps.
- Improved accurate regulation of the system.
- Considerably improved heat transfer.
- Higher output by the system.
- Intergration of air and dirt separation.
- Compact.
- Heat transfer level of 99%.
- Low flow resistance.

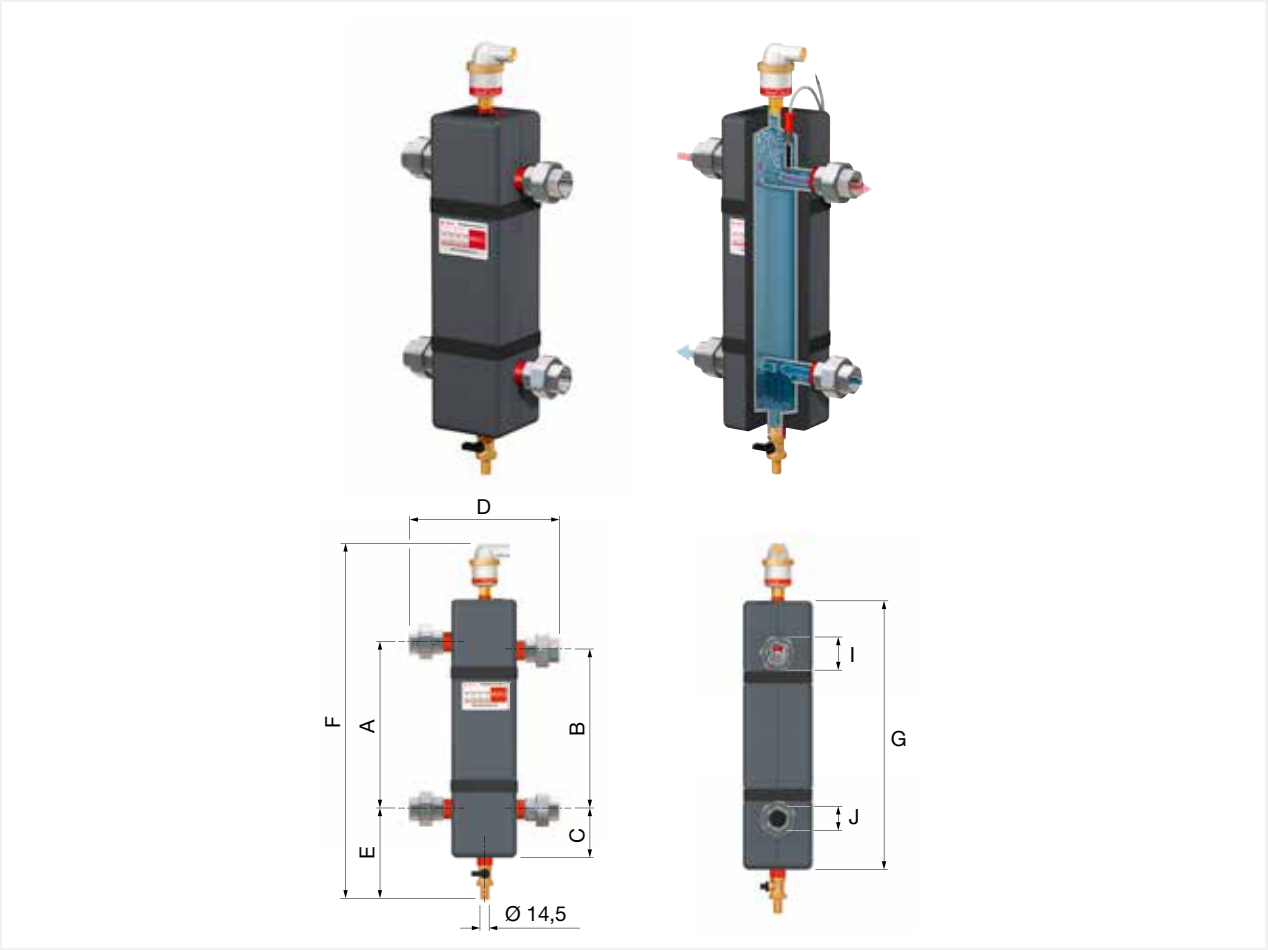
- Equipped with a Flexvent Top ⅜" white (28510).
- Equipped with a brass drain valve ½" and hose connection.
- Suitable for addition of glycol-based anti-freeze up to 50%.
- Minimum/Maximum working pressure: 0.2 / 10 bar.
- Minimum/Maximum working temperature: -10 °C / 110 °C.
- Vessel: steel ST 37/2, red coated RAL 3002.
- Insulation: material - PUR foam with two quick fasteners. λ: 0.022 - 0.025W/mK.
- A temperature sensor can be inserted in the sensor connection (G ½") with an immersion pipe. Inner diameter: 12.5 mm.

FlexBalance EcoPlus C - Flow resistance



FlexBalance EcoPlus C

- Coupling (4x) with conical seal, galvanized steel.



Type	Connection (4x)	Capacity [l]	Max. power [kW]	Flow rate [l/s]	K_v * [m³/h] (ΔP = 1 bar)	Length immersion pipe [mm]	Weight [kg]		Order Code
FlexBalance EcoPlus C 1	Rp 1"	1.4	60	0.7	26.6	80	11	1	28377
FlexBalance EcoPlus C 1 ¼	Rp 1 ¼"	2.3	100	1.2	44.0	86	15	1	28378
FlexBalance EcoPlus C 1 ½	Rp 1 ½"	3.8	140	1.6	64.0	92	20	1	28379
FlexBalance EcoPlus C 2	Rp 2"	4.5	200	2.6	104.0	104	24	1	28380

* $K_v = Q / \sqrt{\Delta P}$ Q: Flow [m³/h] ΔP: Pressure loss over the product [bar]
Flow factor K_v: Rate of flow [m³/h] which results in a 1 bar pressure drop across the product.

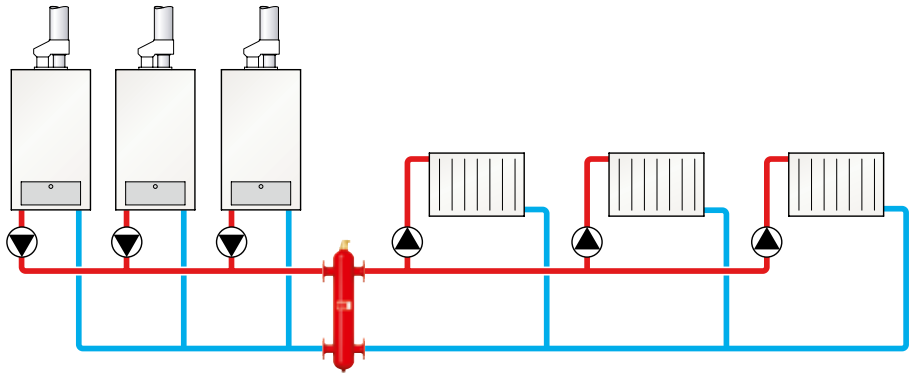
FlexBalance EcoPlus C - Dimensions

Type	Dimensions								
	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	I [mm]	J [mm]
FlexBalance EcoPlus C 1	290	276	85	262	160	620	455	55	38
FlexBalance EcoPlus C 1 ¼	340	321	85	280	160	680	505	67	48
FlexBalance EcoPlus C 1 ½	340	320	85	320	160	680	505	74	53
FlexBalance EcoPlus C 2	400	373	95	326	170	755	585	90	65

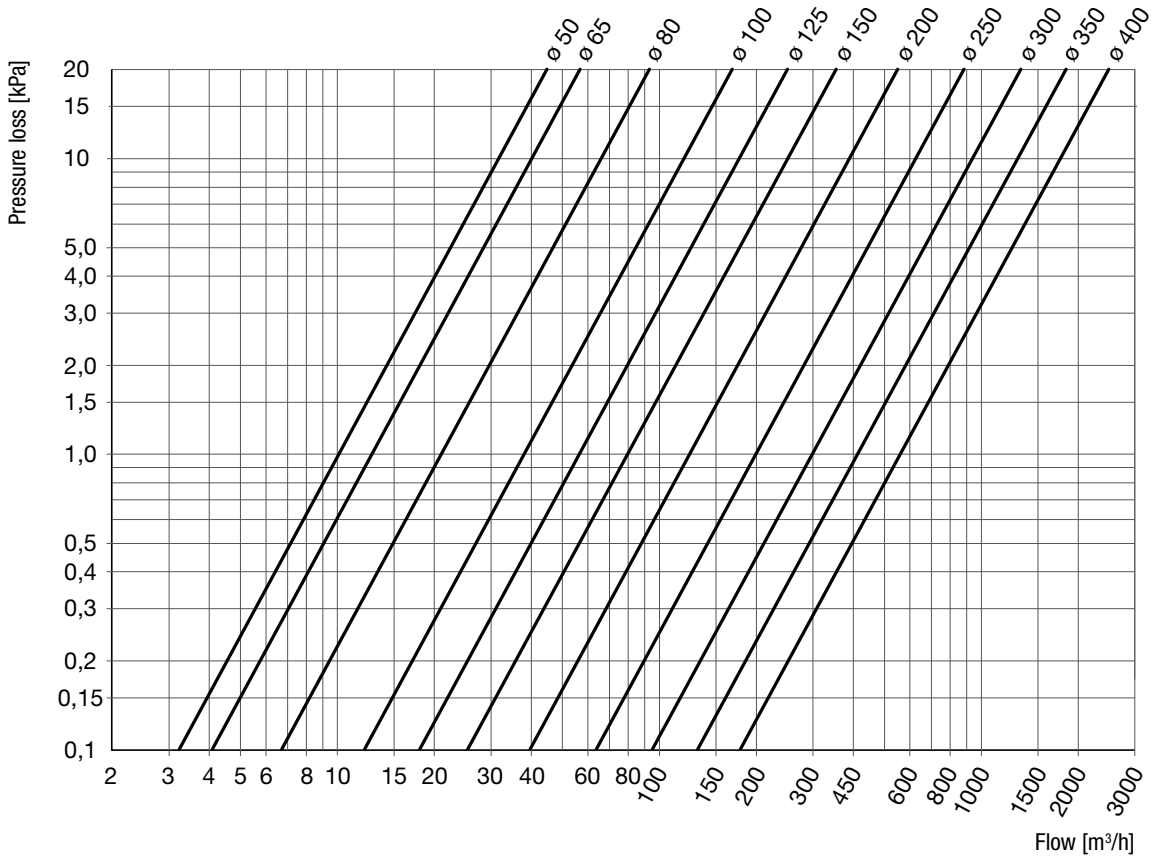
FLEXBALANCE HYDRAULIC BALANCER

For balancing hydraulic pressure in heating installations consisting of multiple circuits and pumps. FlexBalance hydraulic balancers are supplied with an automatic air vent and have a connection for a temperature sensor. The sensor can be connected using an immersion pipe (G ½").

- No more overloaded pumps.
- Improved accurate regulation of the system.
- Considerably improved heat transfer.
- Higher output by the system.



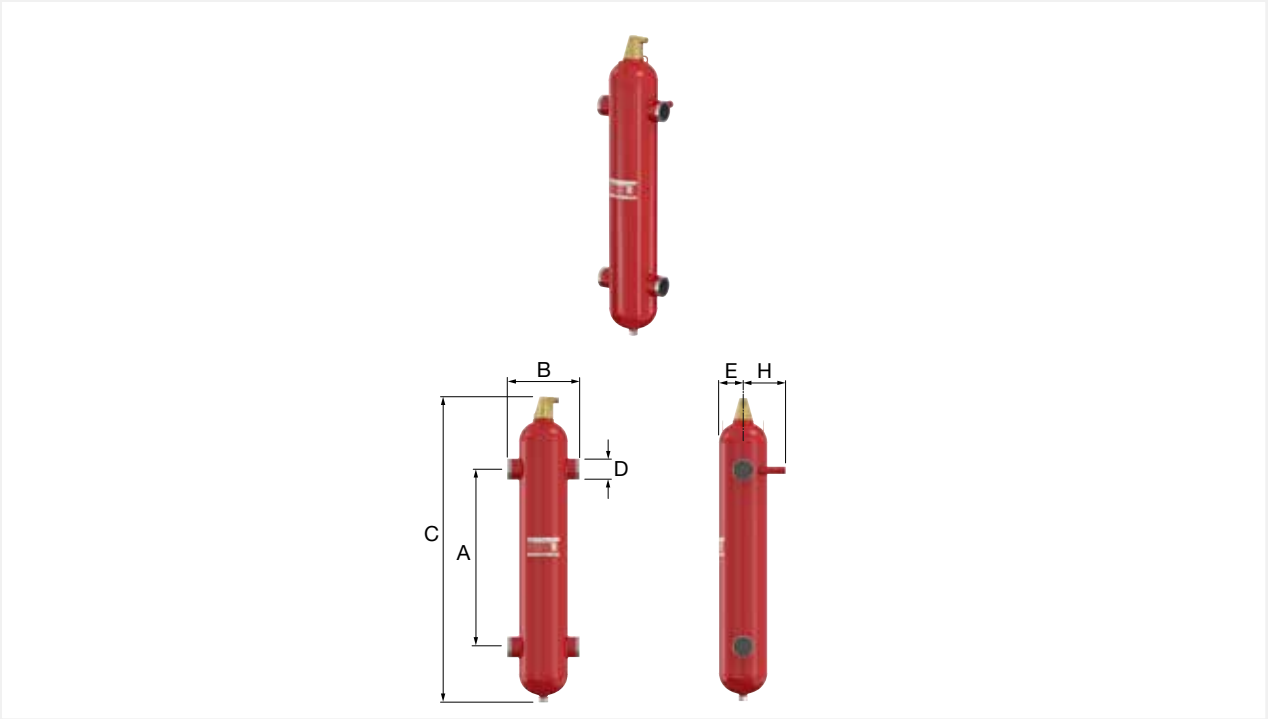
Flexbalance - Flow resistance



FlexBalance S

Conventional VDMA 24770 hydraulic balancer with welded connections.

- Suitable for addition of glycol-based anti-freeze up to 50%.
- Minimum/Maximum working pressure: 0.2 / 10 bar.
- Suitable for systems with a maximum flow temperature of 120 °C.
- Maximum flow rate:
  Primary circuit: 2 m/s
  Secondary circuit: 1.2 m/s.



Type	Capa-city [l]	Connection DN	Connection D [mm]	Capacity [kW] *	Flow in the system [m³/h]	K_v ** [m³/h] (ΔP = 1 bar)	Weight [kg]		Order Code
FlexBalance S 50	17	50	60.3	100 - 200	5 - 15	100	15	1	28431
FlexBalance S 65	21	65	76.1	180 - 330	10 - 17	136	16	1	28432
FlexBalance S 80	65	80	88.9	300 - 450	15 - 30	211	25	1	28433
FlexBalance S 100	78	100	114.3	400 - 770	25 - 55	378	33	1	28434

* Depending on flow velocity.
** $K_v = Q / \sqrt{\Delta P}$ Q: Flow [m³/h] ΔP: Pressure loss over the product [bar]
Flow factor K_v: Rate of flow [m³/h] which results in a 1 bar pressure drop across the product.

CE

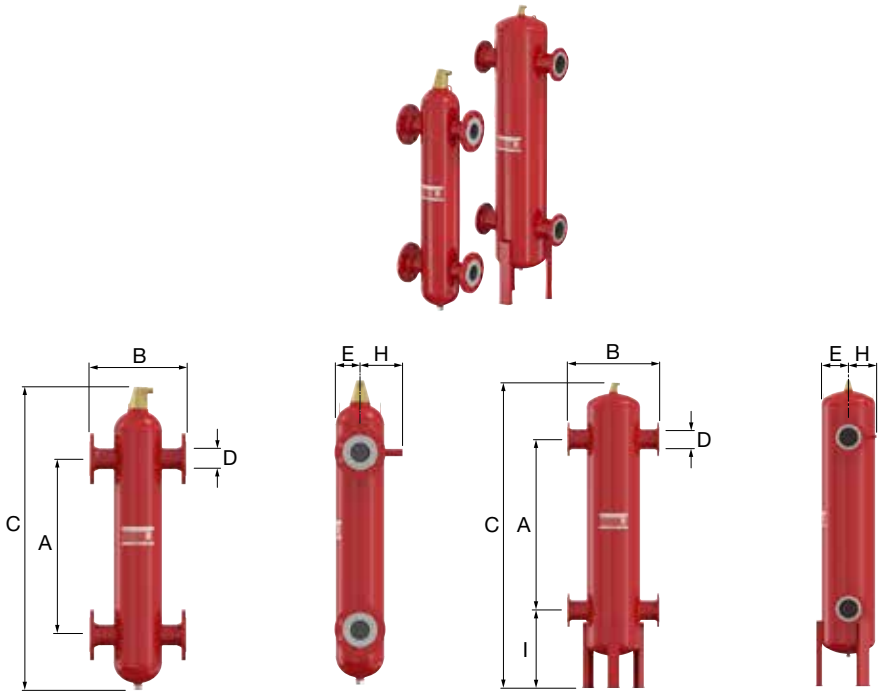
FlexBalance S - Dimensions

Type	Dimensions A [mm]	B [mm]	C [mm]	E [mm]	H [mm]
FlexBalance S 50	490	260	900	88	154
FlexBalance S 65	635	260	1045	88	154
FlexBalance S 80	745	370	1340	135	188
FlexBalance S 100	965	366	1585	135	188

FlexBalance F

Conventional VDMA 24770 hydraulic balancer with flanged connections.

- Suitable for addition of glycol-based anti-freeze up to 50%.
- Minimum/Maximum working pressure: 0.2 / 10 bar.
- Suitable for systems with a maximum flow temperature of 120 °C.
- Maximum flow rate:
  Primary circuit: 2 m/s
  Secondary circuit: 1.2 m/s.
- FlexBalance DN150 and larger: Standard equipped with legs.



Type	Capa-city [l]	Connection DN	Connection D [mm]	Capacity [kW] *	Flow in the system [m³/h]	K_v ** [m³/h] (ΔP = 1 bar)	Weight [kg]		Order Code
FlexBalance F 50	17	50	60.3	100 - 200	5 - 15	100	25	1	28441
FlexBalance F 65	21	65	76.1	180 - 330	10 - 17	136	28	1	28442
FlexBalance F 65 ***	21	65	76.1	180 - 330	10 - 17	136	28	1	28453
FlexBalance F 80	65	80	88.9	300 - 450	15 - 30	211	40	1	28443
FlexBalance F 100	78	100	114.3	400 - 770	25 - 55	378	51	1	28444
FlexBalance F 125	181	125	139.7	700 - 1150	35 - 80	560	97	1	28445
FlexBalance F 150	336	150	168.3	1000 - 1750	55 - 120	775	180	1	28446
FlexBalance F 200	800	200	219.1	1500 - 2800	90 - 200	1230	295	1	28447

* Depending on flow velocity.
** $K_v = Q / \sqrt{\Delta P}$ Q: Flow [m³/h] ΔP: Pressure loss over the product [bar]
Flow factor K_v: Rate of flow [m³/h] which results in a 1 bar pressure drop across the product.
***4 hole flanged version. Not according to EN 1092-1 PN16.

CE

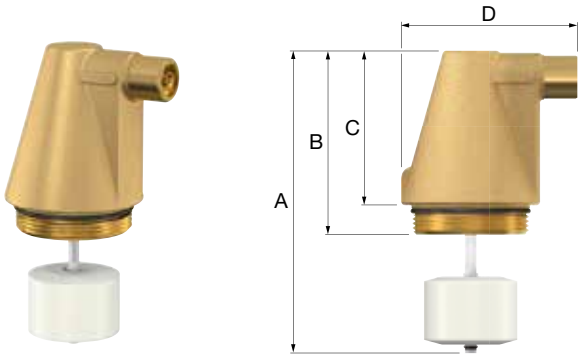
FlexBalance F - Dimensions

Type	Dimensions					
	A [mm]	B [mm]	C [mm]	E [mm]	H [mm]	I [mm]
FlexBalance F 50	490	350	900	88	154	-
FlexBalance F 65	635	350	1045	88	154	-
FlexBalance F 80	745	470	1340	135	188	-
FlexBalance F 100	965	470	1585	135	188	-
FlexBalance F 125	1180	635	2065	180	213	-
FlexBalance F 150	1430	774	2585	225	237	655
FlexBalance F 200	1860	1000	3355	300	277	825

Spare vent cap L

Cone-shaped air chamber equipped with a long float to create more distance to the vent valve.
This reduces the risk of contamination of the valve seat to a minimum.

- Maximum system working pressure: 25 bar.
- Maximum working pressure: 10 bar.

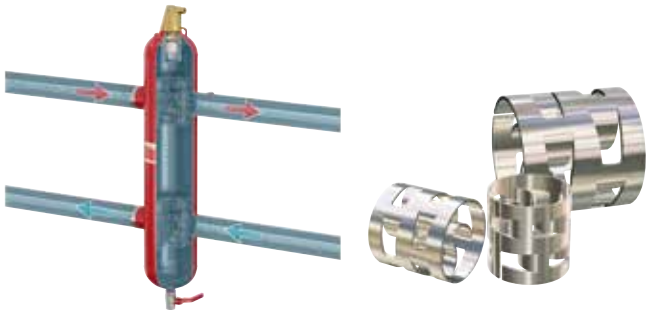


Type	Used for	Dimensions					Order Code
		A [mm]	B [mm]	C [mm]	D [mm]		
Spare vent cap L	Flamcovent (Smart) DN 50 - 600, Flamcovent Clean (Smart) DN 50 - 600, FlexBalance (Plus)	155	94	79	90	1	28555

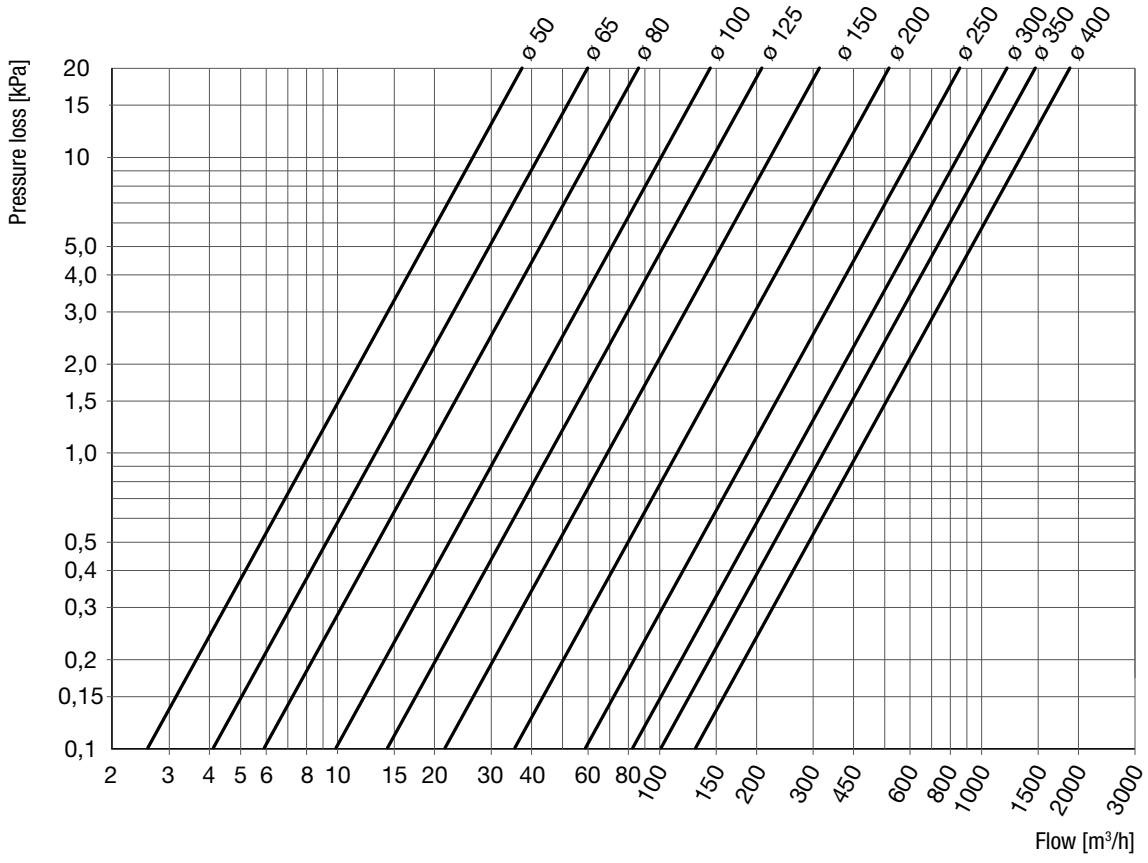
FLEXBALANCE PLUS HYDRAULIC BALANCER

For balancing hydraulic pressure in heating installations consisting of multiple circuits and pumps. FlexBalance Plus hydraulic balancers are supplied with an automatic air vent, a dirt chamber and a connection for a temperature sensor. The sensor can be connected using an immersion pipe (G ½"). The use of our patented PALL-ring technique enables a better response, returns higher efficiency, decreases total built-in height and shares its deaeration and dirt separation benefits.

- Intergration of air and dirt separation.
- No more overloaded pumps.
- Improved accurate regulation of the system.
- Considerably improved heat transfer.
- Higher output by the system.
- Excellent hydraulic control in combination with a large air and dirt separation capacity.
- Smaller construction height than standard hydraulic separators.



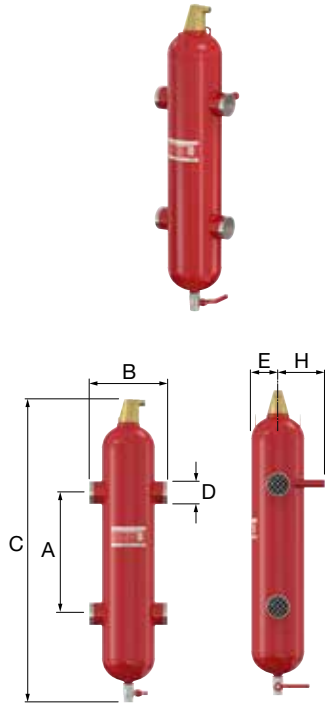
FlexBalance Plus - Flow resistance



FlexBalance Plus S

Conventional VDMA 24770 hydraulic balancer with welded connections.

- Suitable for addition of glycol-based anti-freeze up to 50%.
- Minimum/Maximum working pressure: 0.2 / 10 bar.
- Suitable for systems with a maximum flow temperature of 120 °C.
- Maximum flow rate:
  Primary circuit: 2 m/s
  Secondary circuit: 1.2 m/s.



Type	Capa-city [l]	Connection DN	Connection D [mm]	Capacity [kW] *	Flow in the system [m³/h]	K_v ** [m³/h] (ΔP = 1 bar)	Weight [kg]		Order Code
FlexBalance Plus S 50	17.5	50	60.3	100 - 200	5 - 15	81	18	1	28460
FlexBalance Plus S 65	17.5	65	76.1	180 - 330	10 - 17	131	18	1	28461
FlexBalance Plus S 80	56.0	80	88.9	300 - 450	15 - 30	189	35	1	28462
FlexBalance Plus S 100	56.0	100	114.3	400 - 770	25 - 55	317	37	1	28463

* Depending on flow velocity.
** $K_v = Q / \sqrt{\Delta P}$ Q: Flow [m³/h] ΔP: Pressure loss over the product [bar]
Flow factor K_v: Rate of flow [m³/h] which results in a 1 bar pressure drop across the product.

CE

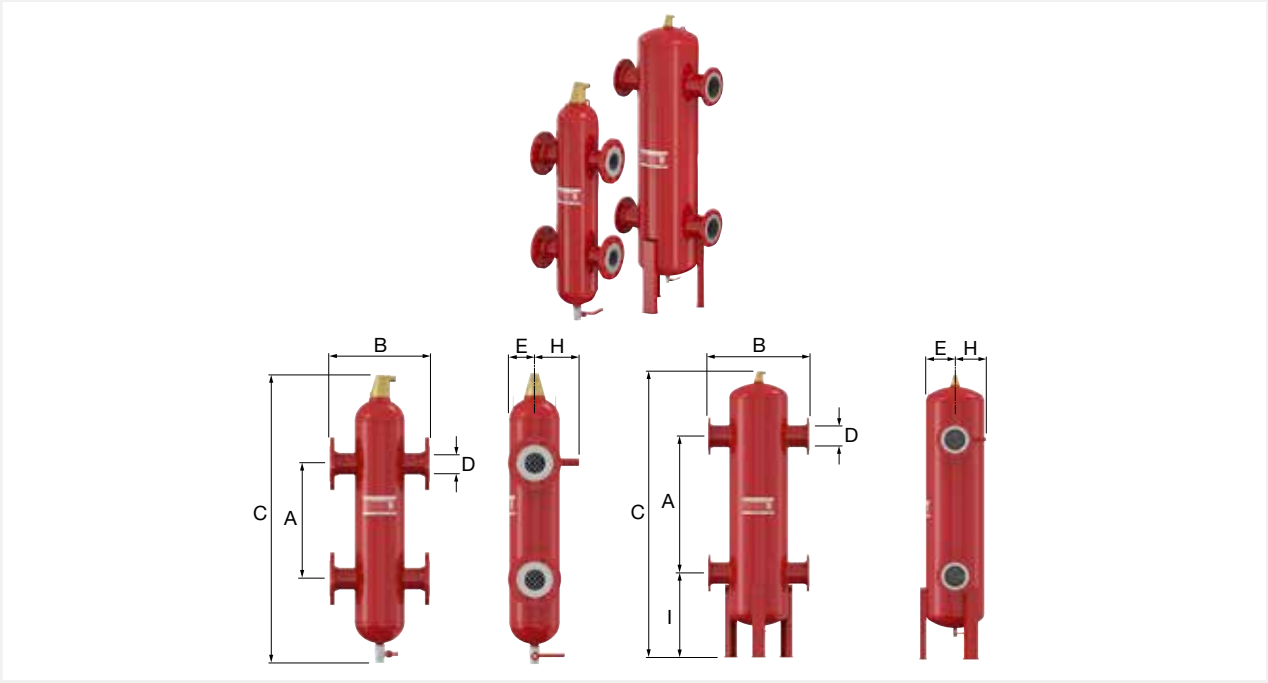
FlexBalance Plus S - Dimensions

Type	Dimensions A [mm]	B [mm]	C [mm]	E [mm]	H [mm]
FlexBalance Plus S 50	400	260	950	88	154
FlexBalance Plus S 65	400	260	950	88	154
FlexBalance Plus S 80	625	370	1265	135	188
FlexBalance Plus S 100	625	366	1265	135	188

FlexBalance Plus F

Conventional VDMA 24770 hydraulic balancer with flanged connections.

- Suitable for addition of glycol-based anti-freeze up to 50%.
- Minimum/Maximum working pressure: 0.2 / 10 bar.
- Suitable for systems with a maximum flow temperature of 120 °C.
- Maximum flow rate:
  Primary circuit: 2 m/s
  Secondary circuit: 1.2 m/s.
- FlexBalance Plus DN150 and larger: Standard equipped with legs.



Type	Capacity [l]	Connection DN	Connection D [mm]	Capacity [kW] *	Flow in the system [m³/h]	K_v ** [m³/h] (ΔP = 1 bar)	Weight [kg]		Order Code
FlexBalance Plus F 50	17.5	50	60.3	100 - 200	5 - 15	81	28	1	28480
FlexBalance Plus F 65	17.5	65	76.1	180 - 330	10 - 17	131	30	1	28481
FlexBalance Plus F 65 ***	17.5	65	76.1	180 - 330	10 - 17	131	30	1	28479
FlexBalance Plus F 80	56.0	80	88.9	300 - 450	15 - 30	189	50	1	28482
FlexBalance Plus F 100	56.0	100	114.3	400 - 770	25 - 55	317	55	1	28483
FlexBalance Plus F 125	146.0	125	139.7	700 - 1150	35 - 80	460	109	1	28484
FlexBalance Plus F 150	272.0	150	168.3	1000 - 1750	55 - 120	679	197	1	28485
FlexBalance Plus F 200	671.0	200	219.1	1500 - 2800	90 - 200	1135	342	1	28486
FlexBalance Plus F 250	1547.0	250	273.0	2500 - 4500	110 - 350	1870	657	1	28487
FlexBalance Plus F 300	1547.0	300	323.9	4200 - 6400	150 - 500	2620	752	1	28488

* Depending on flow velocity.
** $K_v = Q / \sqrt{\Delta P}$ Q: Flow [m³/h] ΔP: Pressure loss over the product [bar]
Flow factor K_v: Rate of flow [m³/h] which results in a 1 bar pressure drop across the product.
***4 hole flanged version. Not according to EN 1092-1 PN16.

CE

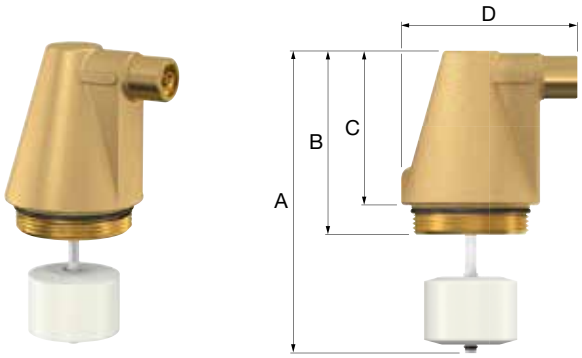
FlexBalance Plus F - Dimensions

Type	Dimensions A [mm]	B [mm]	C [mm]	E [mm]	H [mm]	I [mm]
FlexBalance Plus F 50	400	350	950	88	154	-
FlexBalance Plus F 65	400	350	950	88	154	-
FlexBalance Plus F 80	625	470	1265	135	188	-
FlexBalance Plus F 100	625	470	1265	135	188	-
FlexBalance Plus F 125	830	635	1767	180	213	-
FlexBalance Plus F 150	1040	774	2175	225	237	645
FlexBalance Plus F 200	1400	1000	2895	300	277	825
FlexBalance Plus F 250	1850	1220	3646	400	325	977
FlexBalance Plus F 300	1850	1220	3646	400	369	977

Spare vent cap L

Cone-shaped air chamber equipped with a long float to create more distance to the vent valve.
This reduces the risk of contamination of the valve seat to a minimum.

- Maximum system working pressure: 25 bar.
- Maximum working pressure: 10 bar.



Type	Used for	Dimensions					Order Code
		A [mm]	B [mm]	C [mm]	D [mm]		
Spare vent cap L	Flamcovent (Smart) DN 50 - 600, Flamcovent Clean (Smart) DN 50 - 600, FlexBalance (Plus)	155	94	79	90	1	28555

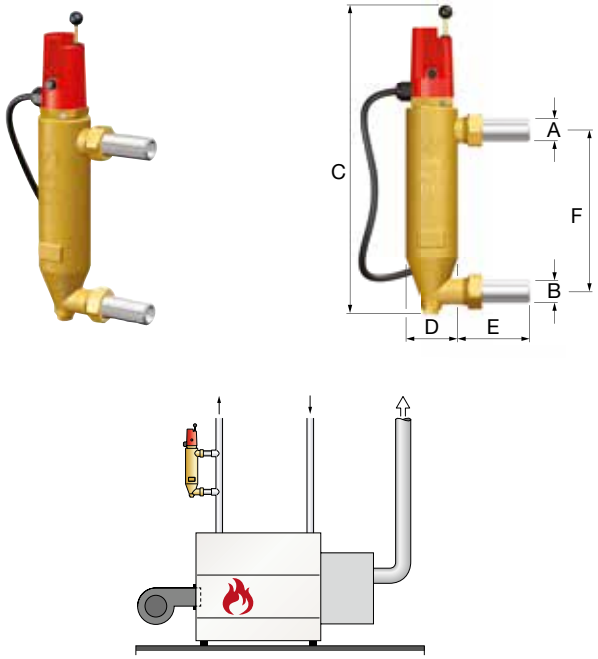
SYSTEM ACCESSORIES

WMS Low Water Level Protection Device

Mechanical low water level protection device.
A mechanical boiler water low level alarm with a float system. If the water level in the boiler drops below a minimum level a float activates a switch. This switch interrupts the power supply to the boiler burner. A locking mechanism prevents the burner from restarting automatically. The test button allows the float to be lowered to simulate a low water alarm condition. The WMS 800 is suitable for continuous operation.

According to EN 12828, system with more than 300 kW must be equipped with water level limiters. However, the installation of such units is recommended for all systems, especially when the heat source is at the top of the system.

- Maximum operating pressure: 10 bar.



Type	Connection *		Dimensions					Order Code
	A	B	C [mm]	D [mm]	E [mm]	F [mm]		
WMS 800	DN 20 / G 1" M	DN 20 / G 1" M	358	62	85	195	1	27455

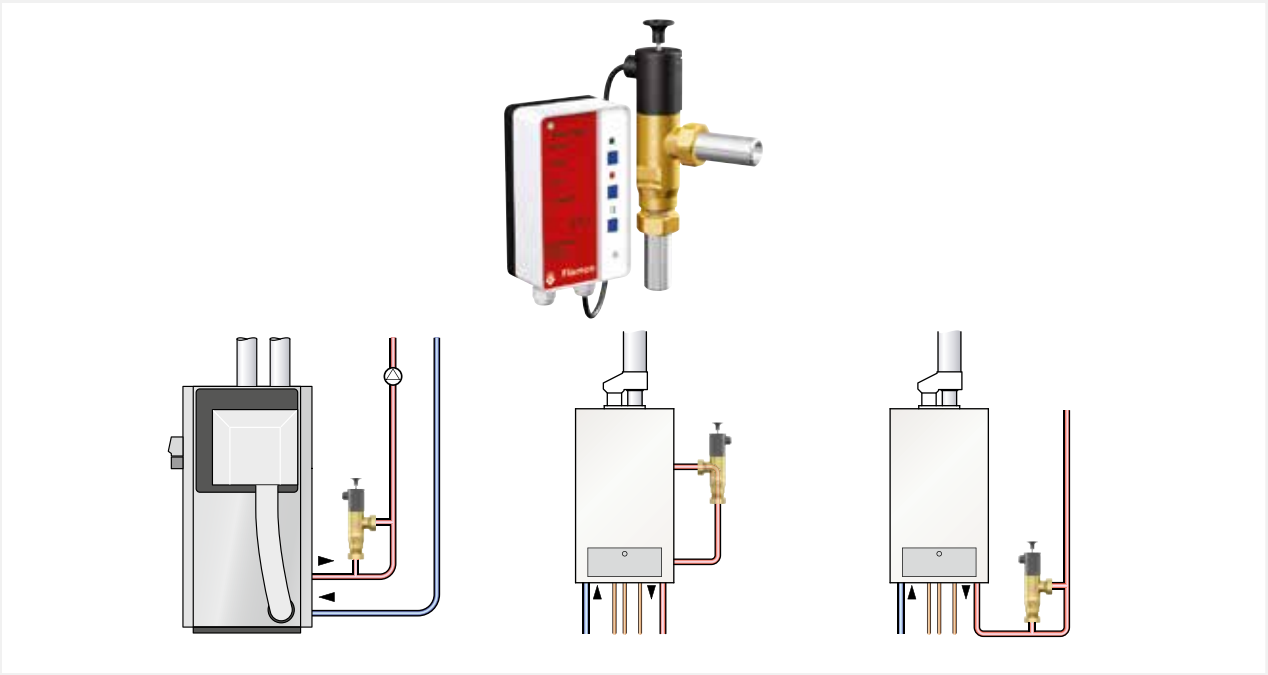
* compression/welding connection.

WMS-E Low Water Level Protection Device

Electronic low water level protection device.
The WMS-E boiler water low level alarm consists of a failsafe, self-monitoring control unit with a periodic self-test function and a sensor. The water shortage switch detects and signals low water levels. If the water level in the boiler drops below a minimum value the signal part interrupts the power supply to the boiler burner and activates the alarm indicator. The control unit and sensor are connected by a two-conductor signaling cable with a maximum length of 50 m.

According to EN 12828, system with more than 300 kW must be equipped with water level limiters. However, the installation of such units is recommended for all systems, especially when the heat source is at the top of the system.

- Maximum operating temperature: 130 °C.
- Maximum operating pressure: 10 bar.
- Electrical connection: 230V - 1ph - 50Hz.



Type	Connection (DN 259)		Order Code
WMS-E (220V - 1ph - 50Hz)	R ³/₄"	1	27450

ACCESSORIES FOR THE INSTALLER

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

Flexcon Drain Tub

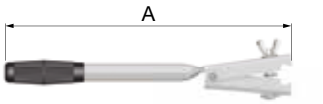
The accessory for draining low positioned tap points.

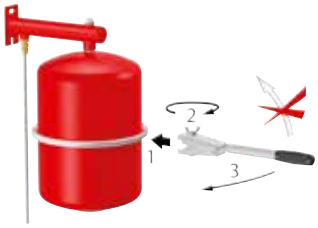
- Flexible in use.
- With hook for easy storage.
- Vital for every installer.
- Made from high grade SBR rubber.

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

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

Flexcon GVA 90

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

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

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

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