

FLEXVENT AUTOMATIC AIR VENTS

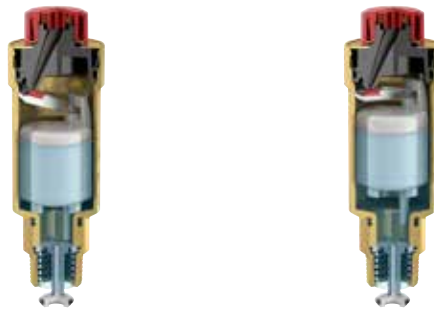
The compact, proven design has high efficiency and guaranteed operation for heating and air conditioning. The water within the installation contains air which can form corrosion and reduce the thermal transfer. A Flexvent is fitted at places where the air collects.

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.



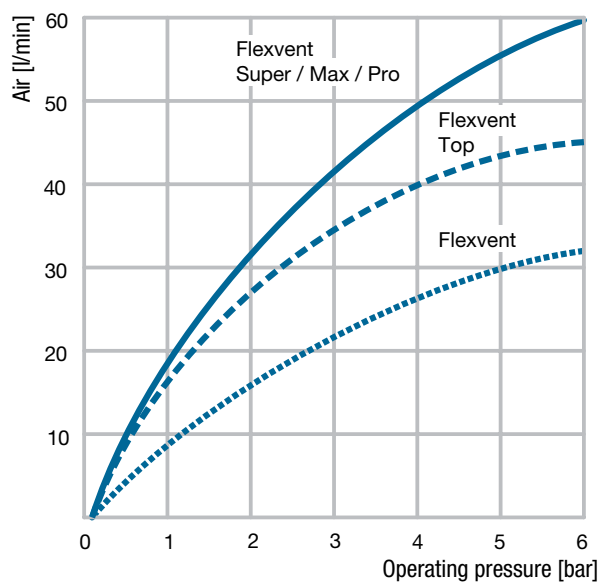
How a Flexvent works

Float operated, the air is collected in the Flexvent causing the float to drop and open the air release valve. The water pressure then pushes the air out, the float rises and closes the valve. The air cushion in the upper part of each Flexvent protects the valve seat against contamination.



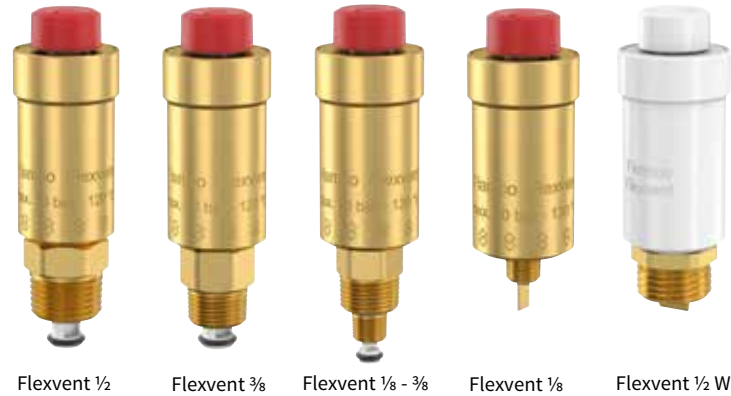
Flexvent capacity graph

The amount of air that is allowed to escape through the Flexvent float vent depends on the system pressure. The graph shows the relationship between the amount of air in litres/min at 15 °C and the system pressure.



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 working temperature: -10 °C / 90 °C (peak load: 120 °C).
- Minimum/Maximum working pressure: 0.2 / 6.0 bar (peak load: 10.0 bar).



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

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 working temperature: -10 °C / 90 °C (peak load: 120 °C).
- Minimum/Maximum working pressure: 0.2 / 6.0 bar (peak load: 10.0 bar).

Type	Dimensions			Connection	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

Flexvent Top



- Suitable for addition of glycol-based anti-freeze up to 50%.
- Minimum/Maximum working temperature: -10 °C / 120 °C.
- Minimum/Maximum working pressure: 0.2 / 10.0 bar.


Type	Dimensions		Con- nection	Shut-off valve		Order Code
	Ø [mm]	H. [mm]				
Flexvent Top	54	86	Rp 1/2"	no	20	28515
Flexvent Top White	54	86	R 3/8"	yes	20	28510

Flexvent Solar



Manually operated vent valve for solar systems with glycol based solutions.


- Manual, key operated (not included), without shut off valve.
- Suitable for addition of glycol-based anti-freeze up to 50%.
- Minimum/Maximum working temperature: -10 °C / 200 °C.
- Maximum working pressure: 10 bar.

Type	Dimensions		Con- nection	Shut-off valve		Order Code
	Ø [mm]	H. [mm]				
Flexvent Solar 3/8	30	75.5	R 3/8"	no	1	27785

Flexvent Top Solar

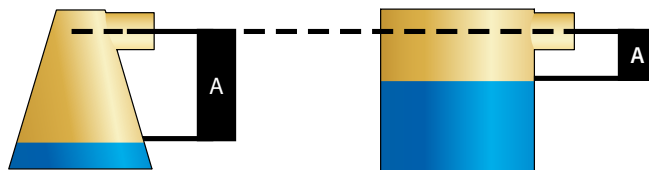



- With ball valve.
- Suitable for addition of glycol-based anti-freeze up to 50%.
- Minimum/Maximum working temperature: -30 °C / 180 °C.
- Minimum/Maximum working pressure: 0.2 / 10.0 bar.

Type	Dimensions		Con- nection	Shut-off valve		Order Code
	Ø [mm]	H. [mm]				
Flexvent Top Solar 3/8	54	129	G 3/8" M	no	20	28505

Flexvent Super

- The cap of the Flexvent Super is conical in shape. The advantage of this construction is that the clearance between the water level and venting valve is maximized.
- The air escape duct can be opened or closed with an adjusting screw.
- The venting valve forms an integral part of the cap, so that it is impossible to damage the float vent mechanism from outside.
- Suitable for addition of glycol-based anti-freeze up to 50%.
- Minimum/Maximum working temperature: -10 °C / 120 °C.
- Minimum/Maximum working pressure: 0.2 / 10.0 bar.



Type	Dimensions		Con- nection	Shut-off valve		Order Code
	Ø [mm]	H. [mm]				
Flexvent Super 1/2	73	119	G 1/2" F	no	1	28520
Shut-off valve Flexvent Super	-	-	1/2"	-	1	28525

Flexvent Super NPT



- Suitable for addition of glycol-based anti-freeze up to 50%.
- Minimum/Maximum working temperature: -10 °C / 120 °C (14 °F / 248 °F).
- Minimum/Maximum working pressure: 0.2 / 10.0 bar (3 / 145 psi).

Type	Dimensions		Con- nection	Shut-off valve		Order Code
	Ø ["]	H. ["]				
Flexvent Super NPT	2.9	4.7	3/4" FNPT	no	1	28545

Flexvent Pro



- Equipped with bubble breaker.
- Outlet: G 3/4" M.
- Suitable for addition of glycol-based anti-freeze up to 50%.
- Minimum/Maximum working temperature: -10 °C / 120 °C.
- Minimum/Maximum working pressure: 0.2 / 10.0 bar.

Type	Dimensions		Con- nection	Shut-off valve		Order Code
	Ø [mm]	H. [mm]				
Flexvent Pro	63	110	Rp 1/2"	no	1	28519

Flexvent Pro NPT



- Equipped with bubble breaker.
- Outlet: G 3/4" M.
- Suitable for addition of glycol-based anti-freeze up to 50%.
- Minimum/Maximum working temperature: -10 °C / 120 °C (14 °F / 248 °F).
- Minimum/Maximum working pressure: 0.2 / 12.0 bar (3 / 175 psi).

Type	Dimensions		Con- nection	Shut-off valve		Order Code
	Ø ["]	H. ["]				
Flexvent Pro NPT	2.5	4.4	1/2" FNPT	no	1	28521

Flexvent Max



- Suitable for addition of glycol-based anti-freeze up to 50%.
- Minimum/Maximum working temperature: -10 °C / 120 °C.
- Minimum/Maximum working pressure: 0.2 / 25.0 bar.

Type	Dimensions		Con- nection	Shut-off valve		Order Code
	Ø [mm]	H. [mm]				
Flexvent Max 3/4"	77	120	Rp 3/4"	no	1	28550

AIR ACCUMULATORS

LTA Air Accumulator



The LTA air accumulator is mounted on riser pipes in supply or return lines. In the air pot the water returns to a non-turbulent state and the free air can collect in the upper part. The air can be released from the Flexvent mounted on top of the air pot. The LTA air accumulator can also be provided with a vent line and manually vented.

- Trouble-free and economic operation by avoiding air problems.
- Easy construction.
- Asymmetrical connections.
- Suitable for addition of glycol-based anti-freeze up to 50%.
- Maximum working temperature: 120 °C.
- Maximum working pressure: 10 bar.

Type	Capa- city [l]	Dimensions		Connection		Weight [kg]		Order Code
		Ø [mm]	H. [mm]	Air- vent	Sys- tem			
LTA 1	1.0	110	185	Rp 3/8"	Rp 1/2"	1.3	1	27581
LTA 2	1.6	110	233	Rp 3/8"	Rp 1/2"	1.7	1	27582
LTA 5	5.0	196	221	Rp 1/2"	Rp 1/2"	4.0	1	27585