

Flexvent Float Vents

Reliable and Easy to Mount

Most Flexvent types are supplied with a brass shut-off valve to facilitate installation and removal. When the float vent is unscrewed from the shut-off valve, the valve will close automatically and the system need not be de-pressurized or drained. Under normal circumstances, the Flexvent float vent needs no maintenance.

Due to the particularly compact dimensions of the float vent it is possible to install Flexvent float vents in the best suitable places.

Protective cap including expansion sealer rings to prevent leaks.

Substantial distance between the water and the closing mechanism, reducing the chance of contamination.

Flexvent float vents are made of brass.

Mostly supplied as standard with a shut-off valve for easy removal.



The Flexvent H has a ½" right-angled connection which means it can be mounted directly on one of the radiator ports.

Flexvent Automatic Air Vents

The float floats on the water and keeps the venting valve closed. When air is collected in the float vent, the water level will drop and the venting valve will be opened. The collected air will escape causing the water level to rise and the venting valve to close. This process continues as long as air is collected in the float vent during operation.

LTA Air Pots

The Flamco air pot is mounted on riser pipes in the 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.



LTA AIR POTS



FLEXVENT



FLEXVENT H



FLEXVENT TOP



FLEXVENT MAX



FLEXVENT SUPER


FLEXVENT
SOLAR

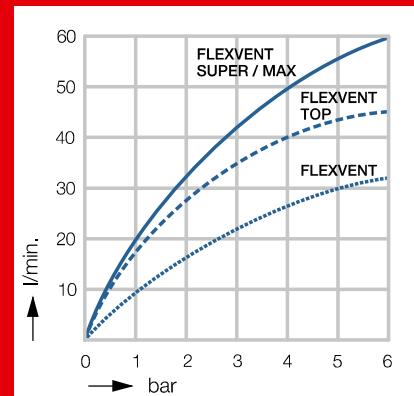
FLEXVENT TOP
SOLAR


LTA


Flexvent
open

Flexvent
closed

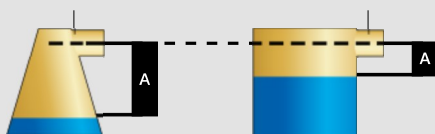
The air cushion in the upper part of each Flexvent protects the valve seat against contamination.



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

Flexvent Max / 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.





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. Float operated, the air is collected in the Flexvent causing the float to drop and open the air release valve. When the air is eliminated the float rises and closes the valve.

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 facility!

- Suitable for water and water/glycol solutions up to 50% glycol.

Flexvent

- Min./max. operating temperature: - 10 °C / 90 °C (peak load: 120 °C).
- Min./max. operating pressure: 0.2 / 6.0 bar (peak load: 10.0 bar).



Flexvent 1/2 Flexvent 3/8 Flexvent 1/8 - 3/8 Flexvent 1/8

| Type | Dimensions | | Connection | Shut-off valve | | Order Code |
|---|------------|-----------|-------------------|----------------|-----|------------|
| | Ø [mm] | H. [mm] | | | | |
| Flexvent 1/8 | 30 | 67 | R 1/8" | no | 50 | 27775 |
| Flexvent 3/8 | 30 | 78 | R 3/8" | yes | 50 | 27750 |
| Flexvent 3/8 without shut-off valve | 30 | 66 | G 3/8" | no | 100 | 27725 |
| Flexvent 3/8 | 30 | 78 | R 3/8" | yes | 100 | 27753 |
| Flexvent 1/8 - 3/8 | 30 | 86 - 75.5 | R 1/8" / R 3/8" | yes | 50 | 27780 |
| Flexvent 1/2 | 30 | 75.5 | R 1/2" | yes | 50 | 27740 |
| Flexvent 1/2 - White with bubble breaker | 31 | 71 | G 1/2" | no | 50 | 27743 |
| Flexvent 1/2 - Nickel plated | 30 | 80 | R 1/2" | yes | 50 | 27742 |
| Flexvent 3/4 | 30 | 74.5 | R 3/4" | yes | 50 | 27735 |
| Valve sleeve with shut-off valve Flexvent | - | 23 | G 3/8" F x R 3/8" | yes | 1 | 27700 |

Flexvent H

- Min./max. operating temperature: - 10 °C / 90 °C (peak load: 120 °C).
- Min./max. operating 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 |
| Shut-off valve Flexvent H | - | - | - | R 1/2" | - | 25 | 27703 |



Flexvent Top


- Min./max. operating temperature: - 10 °C / 120 °C.
- Min./max. operating pressure: 0.2 / 10.0 bar.

| Type | Dimensions | | Connection | Shut-off valve | | Order Code |
|--------------------|------------|---------|------------|----------------|----|------------|
| | Ø [mm] | H. [mm] | | | | |
| Flexvent Top | 54 | 86 | Rp 1/2" | no | 25 | 28515 |
| Flexvent Top White | 54 | 86 | R 3/8" | yes | 20 | 28510 |




Flexvent Super

- Min./max. operating temperature: - 10 °C / 120 °C.
- Min./max. operating pressure: 0.2 / 10.0 bar.

| Type | Dimensions | | Connection | 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 Pro**

- Equipped with bubble breaker.
- Outlet: G 3/4" M.
- Min./max. operating temperature: - 10 °C / 120 °C.
- Min./max. operating pressure: 0.2 / 10.0 bar.

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

**Flexvent Max**


- Min./max. operating temperature: - 10 °C / 120 °C.
- Min./max. operating pressure: 0.2 / 25.0 bar.

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

**Flexvent Solar**


Manually operated deaerator for solar systems with glycol based solutions.

- Non automatic, without shut off valve and key (manual operation).
- Min./max. operating temperature: -10 °C / 200 °C.
- Maximum operating pressure: 10.0 bar.


| Type | Dimensions | | Connection | 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.
- Min./max. operating temperature: - 30 °C / 180 °C.
- Min./max. operating pressure: 0.2 / 10.0 bar.

| Type | Dimensions | | Connection | Shut-off valve |  | Order Code |
|-------------------------------|------------|---------|------------|----------------|---|------------|
| | Ø [mm] | H. [mm] | | | | |
| Flexvent Top Solar 3/8 | 30 | 75.5 | G 3/8" M | no | 1 | 28505 |


**Flexvent Adaptor**

| Type | Connection | Shut-off valve |  | Order Code |
|--------------------|------------|----------------|---|------------|
| Flexadaptor | 1/4" M | no | 1 | 27770 |

**Air intake preventer**

| Type | Dimensions | | Connection BSP |  | Order Code |
|---------------------------|------------|---------|----------------|---|------------|
| | Ø [mm] | H. [mm] | | | |
| Aeration inhibitor | 16 | 28 | M 12 x 1 | 25 | 27755 |

**AIR ACCUMULATOR****Flamco LTA Air Accumulator**

| Type | Capacity [l] | Dimensions | | Connection | | Weight [kg] |  | Order Code |
|--------------|--------------|------------|---------|------------|---------|-------------|---|------------|
| | | Ø [mm] | H. [mm] | Airvent | System | | | |
| 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 |

