



# flamco

## Flexvent Series Automatic Air Vents

### Compact & Proven Design



# a proven design

## Automatic Air Vents

The proven design of the Flexvent Automatic Air Vents is reliable and highly efficient at removing air from hydronic heating and cooling systems. The sustainable design allows the vents to last longer, use as little energy as possible, and are quieter than comparable designs.

The water in a hydronic system contains air which can cause corrosion and reduce thermal transfer. A Flexvent is installed at places where air is likely to collect. Utilizing an internal float, air collects within the Flexvent causing the float to drop and opening the air release valve. When the air is eliminated the float will rise and close the valve.

### Main advantages

- Compact design for confined space installation
- Large air cushion prevents leaks and contamination
- Maximum temperature of 245°F
- Water/Glycol mixture 50%
- CW617N - DZR Brass
- Five year warranty



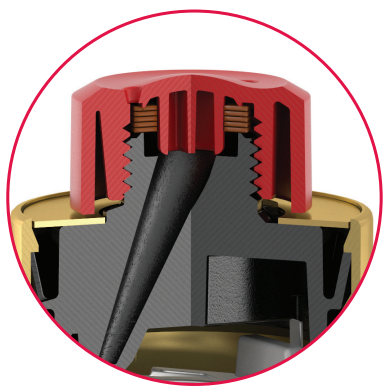
Flexvent



Flexvent Top



Flexvent Pro & Super



### Expansion sealer rings

The protective cap includes expansion sealer rings ensuring that the Flexvent will not leak. There is substantial distance between the water and the closing mechanism, reducing the chance of contamination. Most Flexvent options are equipped with a shut-off valve for easy installation and dismantling.

### Conical shape

The Flexvent Top, Pro, and Super are conical shaped. That shape keeps the water the furthest away from the vent valve. The Flexvent top incorporates a removable union nut, which allows easy access to the air vent internals for service and maintenance.



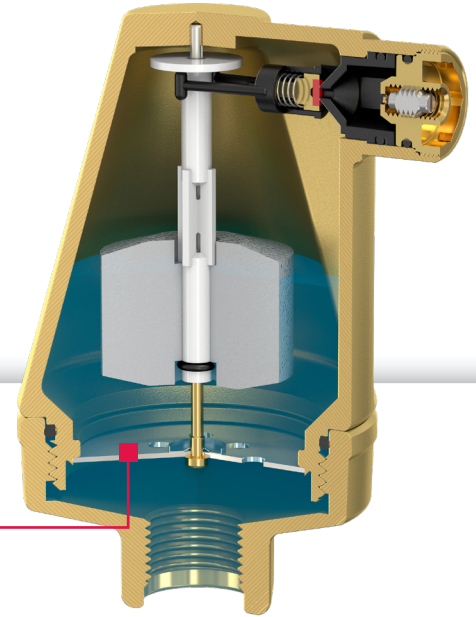
### Safe housing

The housing is also well thought out. The valve through which the air escapes to the outside is an integral part of the hood. Using an adjustment screw, the vent duct can be opened or closed to adjust the system's venting capacity.

# groundbreaking innovation

## Smart filter

The Flexvent Pro and Super are also fitted with a smart filter that protects the vent valve and the float mechanism from dirt particles in the system. In addition, the filter also ensures that large air bubbles are split into many smaller ones, making it easier for the bubbles to find their way upwards towards the vent valve. This improves the air removal capacity, reducing system noise and boosting system efficiency.



Smart filter

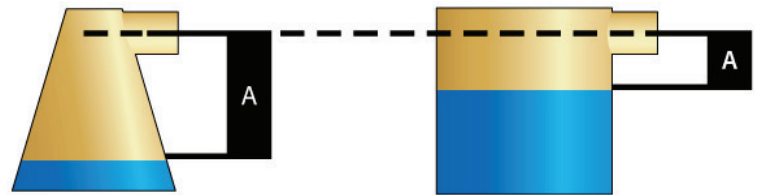
## Improved Performance

### Purpose of conical shape

- Distance between water level and venting valve is maximized
- Risk of contamination of float is severely reduced

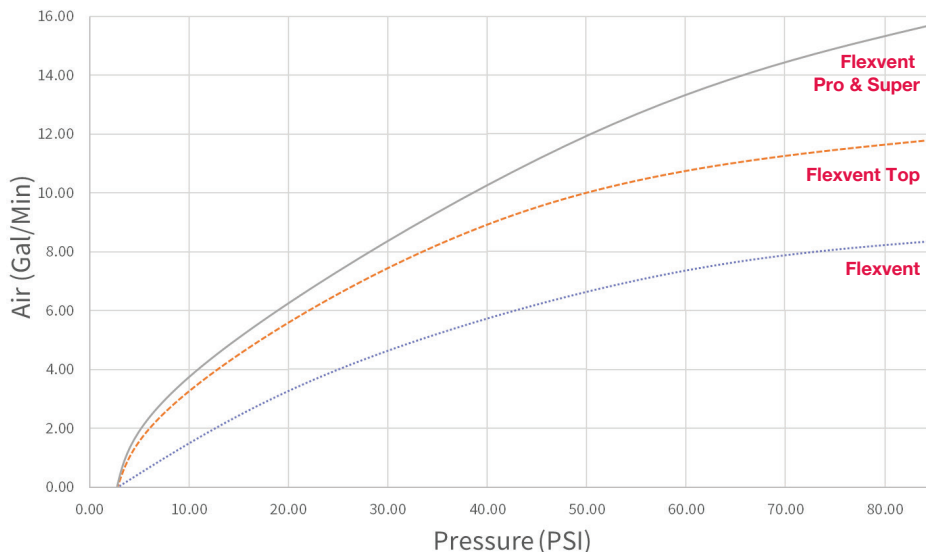
### Venting valve forms an integral part of the cap

- Impossible to damage float vent mechanism from the outside



## 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 gallons/min at 59 °F and the system pressure.



The air escape tube on the Flexvent Top can be opened or closed with an adjustment screw.



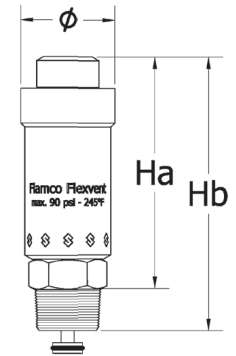
The Flexvent Pro comes with a 3/4" hose thread connection for discharging air and water during system startup.

# optimal performance

## Flexvent

small to medium systems

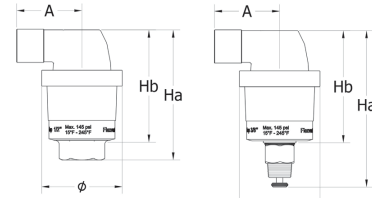
Size	Connection	Dimensions (inches)			Shut-Off Valve	Bubble Breaker	Part No.
		Ø	Ha	Hb			
1/8" - 3/8"	MNPT	1.2	2.9	3.5 - 3.3	YES	NO	F27781
1/2"	MNPT	1.2	2.9	3.8	YES	NO	F27749
3/4"	MNPT	1.2	2.9	3.8	YES	NO	F27736
1/8"	MNPT	1.2	2.6	2.9	NO	YES	F27776
3/8"	MNPT	1.2	2.9	3.5	YES	NO	F27726



## Flexvent Top

medium to large systems

Type	Connection	Dimensions (inches)				Shut-Off Valve	Bubble Breaker	Part No.
		Ø	A	Ha	Hb			
Flexvent Top	1/2" FNPT	2.1	1.7	3.4	2.9	NO	NO	F28518
Flexvent Top White	3/8" MNPT	2.1	1.7	4.2	2.9	YES	NO	F28511



## Flexvent Pro & Super

medium to large systems

Type	Connection	Dimensions (inches)				Shut-Off Valve	Bubble Breaker	Part No.
		Ø	A	Ha	Hb			
Flexvent Pro	1/2" NPT	2.5	2.2	4.3	3.9	NO	YES	FFVP-050
Flexvent Super	3/4" NPT	2.9	2.2	4.7	4.0	NO	NO	FFVS-075

