

# CALVENT™

QUALITY

INNOVATION

RELIABILITY

## AUTOMATIC AIR VENT

### Unique protection zone in the industry

The air vent's chamber is under a smaller chamber, increasing the distance between the water level and the deaeration valve, thereby reducing the risk of contamination



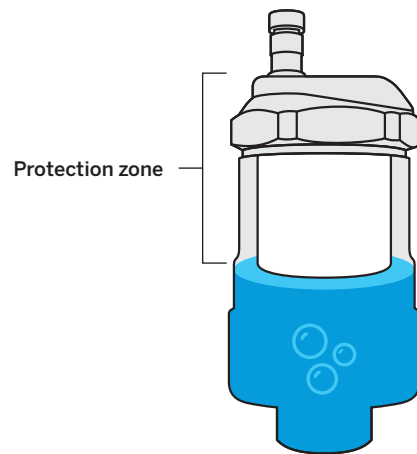
CV050

### BENEFITS

- ✓ Oversized chamber giving more space between water and the deaeration valve to release a greater amount of air at each opening while protecting the valve from contamination due to contact with liquid
- ✓ Pin guided float
- ✓ Easy to disassemble hexagonal head for cleaning and maintenance
- ✓ Enhances heating systems efficiency
  - A system without air allows a full contact between the liquid and transfer surfaces offering an optimized temperature control
  - Limits system component's corrosion

## OVERSIZED PROTECTION ZONE UNIQUE IN THE INDUSTRY

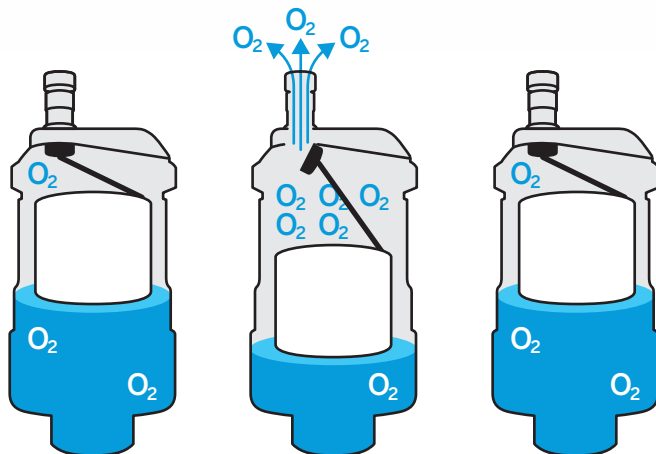
Its design has a bump in the higher part of the chamber that allows to liberate a great amount of air at every opening, but also protects the valve from eventual liquid contamination. By increasing the distance between the liquid and the valve, chances of contact between the valve and the liquid or any contaminants or particles present in the liquid that would prevent the valve to work properly are lowered.



## OPERATION

Air being lighter than water, it is physically drawn towards high points in a system. The automatic air vent has a float that is linked to a relief valve. When air is drawn in the chamber, it accumulates to a point where it builds pressure that will push down the liquid and therefore, the float.

As the float goes down by the pressure effect, it opens the release valve that liberates air until the float comes back up and closes the valve.



## TECHNICAL SPECIFICATIONS

### MATERIALS

Housing:	Brass
Cover:	Brass
Float:	Polypropylene
Float guide:	Brass
Float mechanism:	Stainless steel
O-Ring:	EPDM

Model	Connection	List Price
#CV050	½ in FNPT	\$110

### COMPATIBLE FLUIDS

Water and glycol solutions (50%)

### TEMPERATURE RANGE

32°F-250°F (0°-121°C)

### MAXIMUM PRESSURE

150 PSI

### MODEL

CV050

### HEIGHT

5 in / 128 mm

### DIAMETER

2.25 in / 56 mm



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