High-performance deaerators type AAS HED

The high-performance deaerators (HED® 551606 and 551607) with hygroscopic safety cap can remove up to 99% of the air in the hydraulic circuits of heating and cooling installations on the first pass. Deaeration is maximized by the special patented internal shape of the product; air rises in the central part and collects in the float chamber before being discharged. The circulation of fully deaerated water ensures that the installations can function optimally without problems such as noise, corrosion, local overheating and mechanical damage.

Thanks to the two swiveling brass bends, the deaerator can be configured for installation with horizontal, vertical or right-angled pipes.

Brand

Caleffi

Composition

The deaerator is made with a technopolymer specially selected for applications in heating and cooling systems. Its main characteristics are:

- high resistance to plastic deformation and at the same time good elongation at break
- good tear resistance
- very low moisture absorption for constant mechanical properties
- high resistance to abrasion against continuous fluid flows
- maintained performance during temperature variations
- compatibility with glycol solutions and other additives used in the circuits

These characteristics, combined with the specially designed shape of the most stressed areas, provide a resistance comparable to that of the metals generally used in the manufature of deareators.

Installation

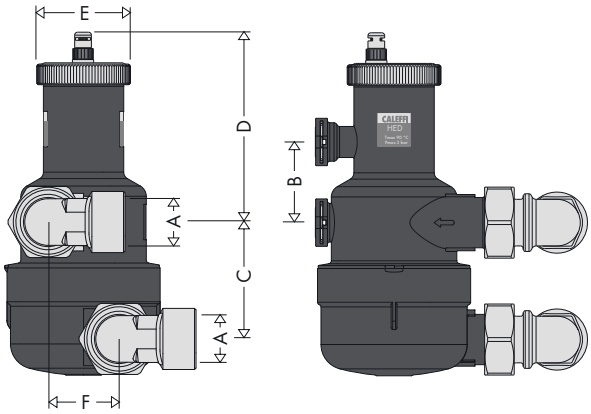
The deaerator can be used in heating and cooling systems.
The deaerator must be installed on the supply line of the heat pump and, in the case of an external circulation pump, upstream of the circulation pump. Installation must always take place with the air vent valve in a vertical position.
The flow directions indicated on the valve body must be strictly observed. Thanks to the two rotatable brass bends, the deaerator can be installed on horizontal, vertical or right-angled pipes.

The complete installation and commissioning instructions can be found in the manual under “Downloads”.

Specifications

- Connection:
  - HED® 551606: G 1" (ISO 228-1) F
  - HED® 551607: G 1 1/4"" (ISO 228-1) F
- Maximum working pressure: 3 bar
- Fluid temperature range: 0 to 90°C
- Material: technopolymer
- Adjustable for horizontal, vertical and right-angled pipes

Configuration



Dimensions						
	A	B	C	D	E	F
AAS HED® 551606	1" F	54.5	78	128	64	48
AAS HED® 551607	1 1/4" F	54.5	78	128	64	48