



CALEFFI HED®

High-efficiency deaerator for heat pump systems

5516 series

www.caleffi.com



PCT
INTERNATIONAL
APPLICATION
PENDING

- Allows the separation up to 99 % of the air contained in heat pump systems from the first passage.
- Automatically removes the air present in the circuit down to micro-bubble level, even at low temperatures.
- Hot pre-formed shell insulation available.
- Adjustable to fit horizontal, vertical and angled pipes.
- Equipped with a hygroscopic safety cap.



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PRODUCT RANGE



CODE	CONNECTIONS
551602	Ø 22
551603	Ø 28
551606	1" F
551607	1 1/4" F
551617	1 1/4" M

TECHNICAL SPECIFICATIONS

Max. working pressure	3 bar
Max. discharge pressure	3 bar
Working temperature range	0-90 °C
Max. percentage of glycol	30 %

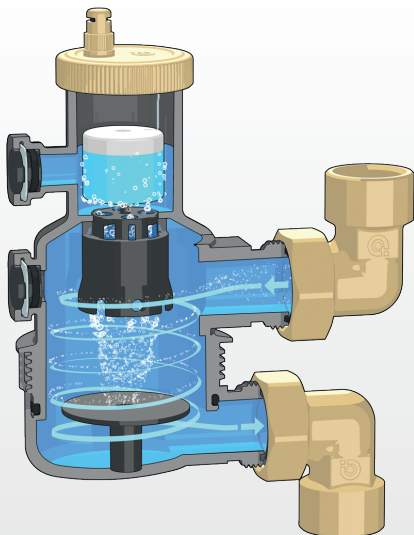
OPERATING PRINCIPLE

CALEFFI HED® high-efficiency deaerators are capable of discharging up to 99 % of the air contained within the thermal medium at the very first passage.

Circulating fully deaerated water allows systems to operate under optimal conditions, free from any noise, corrosion, localised overheating or mechanical damage.

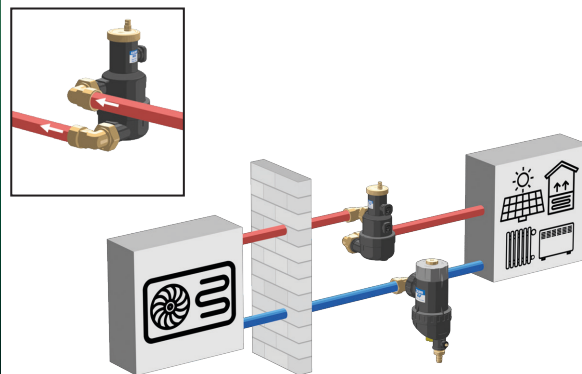
CALEFFI HED® is designed for use in heat pump systems, in versions with copper pipes (codes 551602 and 551603) and iron pipes (codes 551606 – 551607 – 551617) alike.

The deaerator can be installed with either horizontal, vertical or angled pipes.

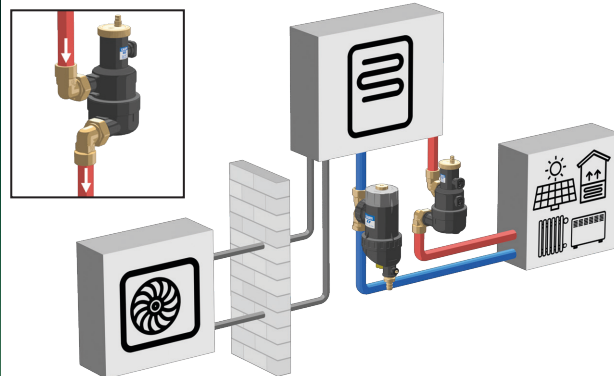


APPLICATION DIAGRAMS

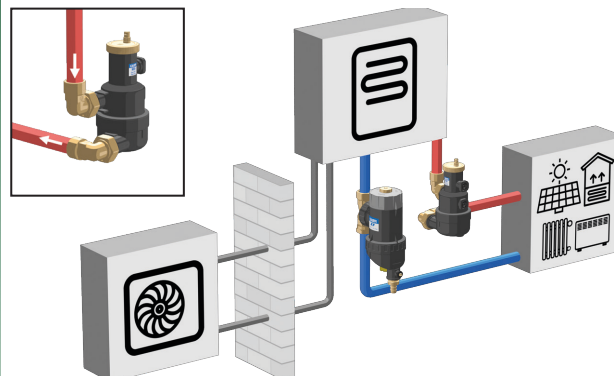
Horizontal installation



Vertical installation



Angled installation



INSULATION

The CBN551602 series PPE insulation with a thickness of 25 mm ensures perfect thermal insulation in heating or cooling mode, as it prevents condensation from forming on the surface of the valve body.



REFERENCE DOCUMENTATION

5516 series

- Tech. broch. 01416

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We reserve the right to make changes and improvements to our products and the related technical data in this publication, at any time and without prior notice. The website www.caleffi.com always has the most up-to-date version of the document, which should be used for technical verifications.

Caleffi S.p.A. S.R. 229 no. 25 · 28010 Fontaneto d'Agogna (NO) · Italy
Tel. +39 0322 8491 · Fax +39 0322 863723
info@caleffi.com · www.caleffi.com · © Copyright 2024 Caleffi