

# **iStop**® Antifreeze valve with air sensor

108 series

www.caleffi.com



- Prevents the formation of ice in the circuit of heat pump systems, avoiding potential damage to the generator and pipes.
- Passive/mechanical protection system which does not require an electrical current.
- The air sensor allows system operation in cooling mode, even when the temperature of the water is around 3 °C.





### PRODUCT RANGE



### **APPLICATION DIAGRAM**



#### Summer operation in cooling mode



## **OPERATING PRINCIPLE**

The antifreeze valve with air sensor allows drainage of the medium in the circuit when the circuit temperature reaches a value of 3 °C. In outside temperature conditions over 5 °C, antifreeze valve cut-in is inhibited by the air temperature sensor.





### **TECHNICAL SPECIFICATIONS**

Working temperature range	0–65 °C
Max. working pressure	5 bar
Medium	water
Medium temperature (opening)	3 °C
Medium temperature (closing)	4 °C
Enabling of antifreeze function with outside air temperature	< 5°C

### **REFERENCE DOCUMENTATION**

108 series

- Tech. broch. 01422

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