



iStop® Antifreeze valve

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 version ending in the digit 2 is designed for heat pumps which use the new refrigerant gases with flow temperatures up to 90 °C.



PRODUCT RANGE



ANTIFREEZE VALVE for applications with water up to 65 °C

| CODE | CONNECTION |
|--------|------------|
| 108601 | 1" |
| 108701 | 1 1/4" |
| 108801 | 1 1/2" |
| 108301 | Ø 28 |

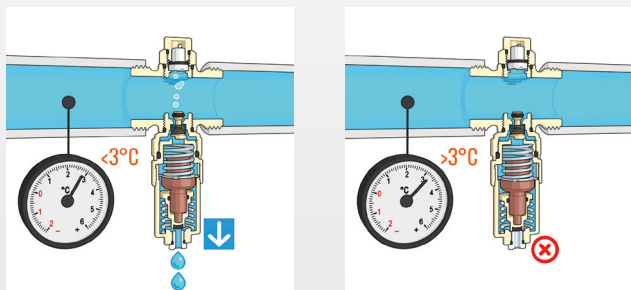
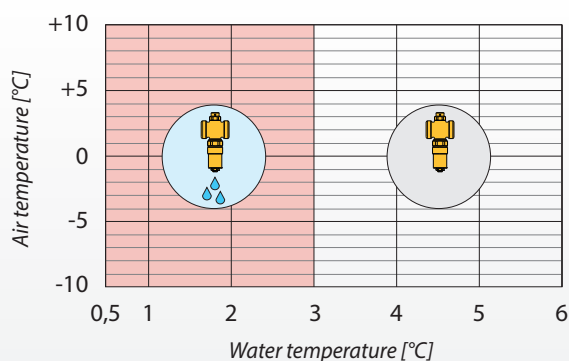


ANTIFREEZE VALVE for applications with water up to 90 °C

| CODE | CONNECTION |
|--------|------------|
| 108602 | 1" |
| 108702 | 1 1/4" |
| 108802 | 1 1/2" |
| 108202 | Ø 22 |
| 108302 | Ø 28 |

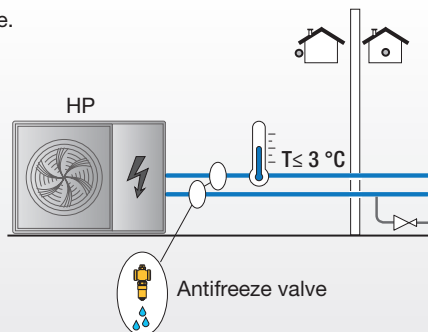
OPERATING PRINCIPLE

The antifreeze valve allows drainage of the medium in the circuit when the circuit temperature reaches a value of 3 °C.



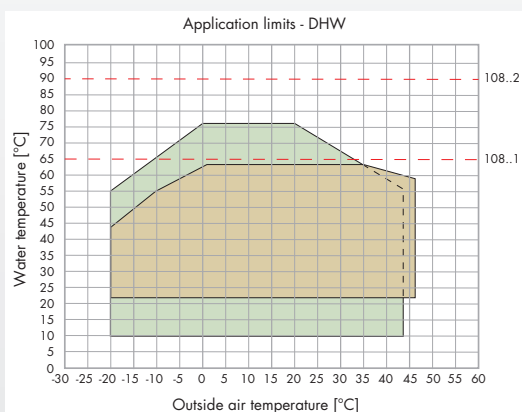
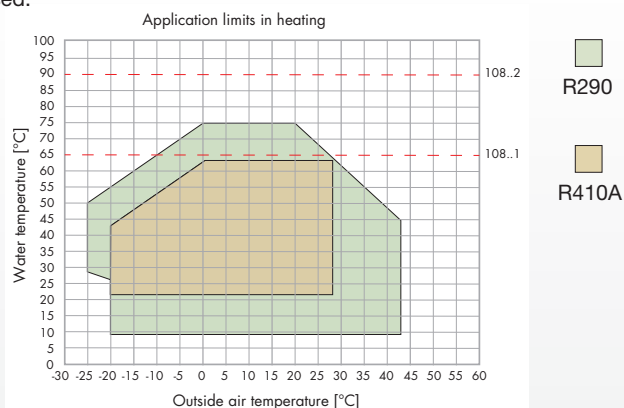
APPLICATION DIAGRAM

Winter operation in the event of electric supply failure.



TECHNICAL SELECTION

The temperature of the water produced varies depending on the refrigerant used. It is essential to calculate the maximum temperatures that can be reached and to correctly select the type of valve to be used.



TECHNICAL SPECIFICATIONS

| | |
|------------------------------|--------------------------------------|
| Working temperature range | 0-65 °C (108..1) 0-90 °C (108..2) |
| Max. working pressure | 10 bar |
| Medium | water |
| Medium temperature (opening) | 3 °C |

REFERENCE DOCUMENTATION

108 series

- Tech. broch. 01376

CALEFFI
Hydronic Solutions

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

0366324EN