



Automatic air vent valve
DISCALAIR SOLAR
 251 series



Function

DISCALAIR devices are used in air-conditioning systems or in the phase of filling and starting solar panel systems **to discharge even large quantities of air** that has formed in the circuits. This function is performed even **when there is considerable pressure** thanks to the special geometry of the discharge mechanism, which is identical to the one on DISCAL 551series deaerators.
 This particular series of automatic air vent valves has been specifically designed to work at **high temperature with a glycol medium**, which is typical of solar heating systems.

Product range

251004 code DISCALAIR SOLAR

size 1/2"

Technical specifications

251 series

Materials:

Body and cover: brass EN 12165 CW617N, chrome plated
 Float: high-resistance polymer
 Float guide: brass EN 12165 CW617N
 Control stem: dezincification-resistant alloy EN 12165 CW602N
 Spring: stainless steel
 Hydraulic seals: high-resistance elastomer

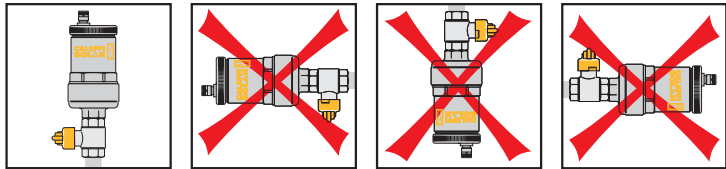
Performance:

Medium: water, glycol solutions
 Max percentage of glycol: 50%
 Working temperature range: -30-200°C
 Max working pressure: 10 bar
 Max discharge pressure: 10 bar
 Connections: 1/2" F

Installation

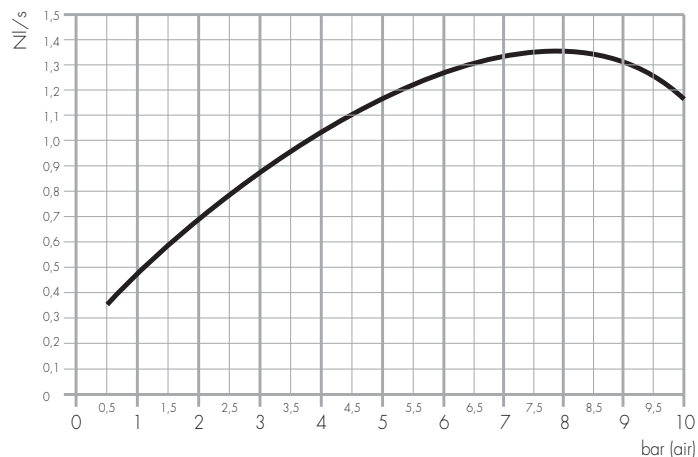
DISCALAIR 251 series automatic air vent valves must be installed vertically, typically on the top of solar heating system panels and at points in the circuit where bubbles are concentrated and must be vented.

They must always be installed in combination with a shut-off valve. This is necessary since the vent valves must be shut off after use, to remove the air in the phase of filling and starting up the system.

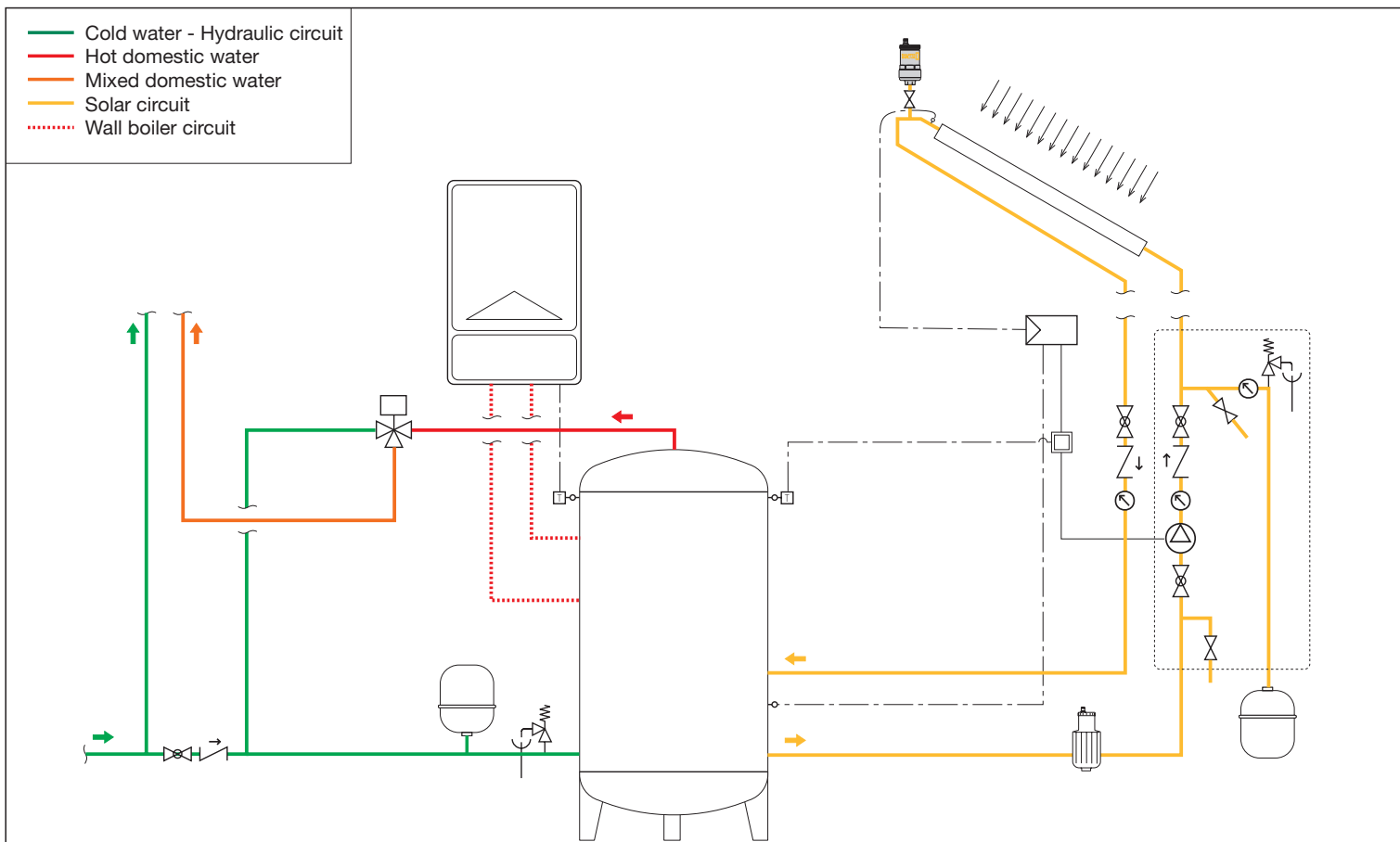


Hydraulic characteristics

Discharge capacity, in the phase of filling the system



Application diagram



We reserve the right to change our products and their relevant technical data contained in this publication at any time and without prior notice.