

# 551 discal*Air*

automatic air vent



**altecnic**  
Caleffi group

# 551 discalAir automatic air vent



## Application

The Altecnic 551 discalAir automatic air vent is used in heating and air conditioning systems to continually remove air from the system, even against higher pressures, without the need for manual adjustment.

The Altecnic 551 discalAir automatic air vent has a large collection chamber, able to accommodate a large volume of air before being released automatically.

Excessive air within a system can cause corrosion caused by oxygen, excessive noise, reduce the accuracy of control valves and cause cavitation in circulating pumps.

One of the most important functions of the discalAir vent is to release air as the system is being filled with water and then automatically isolating thus preventing water loss and wastage from the system.

The Altecnic 551 discalAir automatic air vent is intended of use at the top of risers, vertical pipework or where air collects.

## Design

The discalAir automatic vent is manufactured from brass with an internal element and venting cap.

Supplied with a female threaded connection complying with BS EN ISO 228-1.

## Construction Details

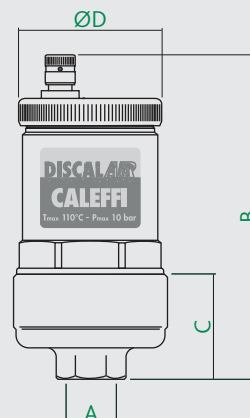
Component	Material	Grade
Body	Brass	BS EN 12165 CW617N
Cap	Brass	BS EN 12165 CW617N
Float	Polypropylene	
Float Guide	Brass	BS EN 12165 CW614N
Stem	Brass	BS EN 12165 CW614N
Float Lever	Stainless steel	
Spring	Stainless steel	
Seals	EPDM	

## Technical Data

Medium:	water glycol solution
Max. percentage of glycol:	50%
Max. working pressure:	10 bar
Max. discharge pressure:	10 bar
Temperature range:	0 to 110°C

Product Code	Pipe Orientation	Size	Connections
551004	vertical	½"	screwed iron female

## Dimensions



Prod Code	A	B	C	D	kg
551004	G½	115	35	55	0.62

## Construction details

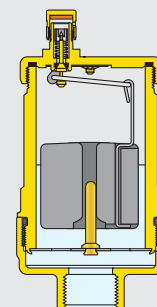
High discharge pressure.

The valve is able to release large quantities of air up to a pressure of 10 bar, resulting from the internal geometry used in its design.

## Operating chamber

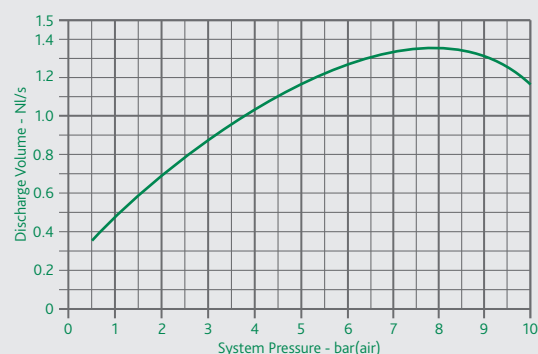
The air vent has a long float chamber for movement of the float controlling the obturator.

This characteristic prevents impurities in the water from reaching the air release valve in the cap.



## Hydraulic characteristics

Discharge capacity when filling the system



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