

# 502 Robocal

automatic air vent



**altecnic**  
CALEFFI group

# 502 Robocal automatic air vent



## Application

Altecnic series 502 automatic air vents are used in heating and air conditioning systems to continually remove air from the system without the need for manual adjustment.

Excessive air within a system can cause excessive noise, reduce the accuracy of control valves and the performance of heating and cooling equipment.

One of the most important functions of the Altecnic automatic air vents is to release air as the system is being filled with water and then automatically isolating, preventing water loss and wastage from the system.

## Construction Details

Component	Material	Grade
Body	Brass	BS EN 12165 CW617N
Cover	Brass	BS EN 12165 CW617N
Float	Polypropylene	
Disc	Silicone rubber	
Spring	Stainless steel	
'O' rings	EPDM	
Check valve seals	PTFE	

## Technical Data

Medium:	water glycol solution
Max. percentage of glycol:	30%
Temperature range:	0 -115°C
Max working pressure:	10 bar
WRAS approved products	

Product Code	Size	Connection	Max Venting Pressure	Type
<b>Series 502 Range</b>				
502649	15mm	compression	6 bar	
502420	¼"	male screwed	4 bar	
502430	⅜"	male screwed	4 bar	
502630	⅜"	male screwed	6 bar	
502640	½"	male screwed	6 bar	
502730	⅜"	male screwed	6 bar	with check valve
502530	⅜"	male screwed	4 bar	with check valve
CA-100099	⅜"	male screwed	4 bar	with ½" check valve

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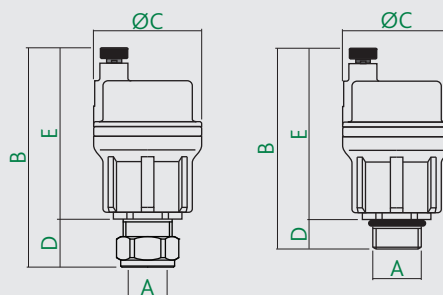
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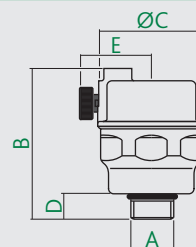
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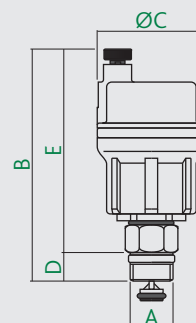
## Dimensions



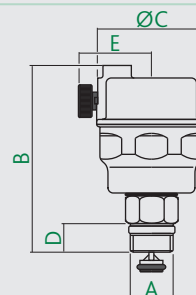
Prod Code	A	B	C	D	E	kg
502649	Ø15	85	40	67	113	0.160
502630	G <sup>3</sup> / <sub>8</sub> B	77	40	10	67	0.155
502640	G <sup>1</sup> / <sub>2</sub> B	77	40	10	67	0.160



Prod Code	A	B	C	D	E	kg
502420	G <sup>1</sup> / <sub>4</sub> B	55	40	25	10	0.140
502430	G <sup>3</sup> / <sub>8</sub> B	55	40	25	10	0.147



Prod Code	A	B	C	D	E	kg
502730	G <sup>3</sup> / <sub>8</sub> B	101	40	19	83	0.175



Prod Code	A	B	C	D	E	kg
502530	G <sup>3</sup> / <sub>8</sub> B	72	40	25	19	0.167

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