



Automatic air vents

501-551-502. series

www.caleffi.com

























- Automatic air vents are designed to remove the air that accumulates in heating and air conditioning systems without the need of manual intervention.
- Maintenance operations are simplified thanks to the automatic shut-off valve by shutting the water flow off when the valve is removed and also allow easy inspection of the air vent device.
- They prevent harmful phenomena that may compromise the life and performance of heating/cooling systems.
- They are installed in vertical position, on air separators, on hydraulic separators, on manifolds, on risers and generally in parts of the system where a concentration of air pockets is expected.
- All MINICAL and VALCAL range can be equipped with a hygroscopic safety cap.
- ROBOCAL series is equipped with anti rotation and anti vibration system float.



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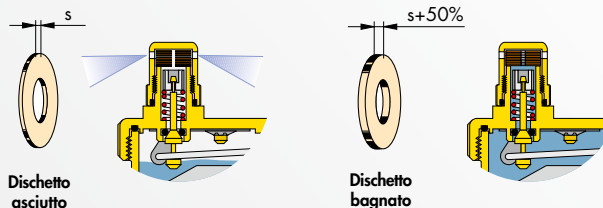
PRODUCT RANGE AND TECHNICAL SPECIFICATIONS

	Air vents with medium-high discharge pressure			Automatic air vents of traditional type					
	501	551	5022	5020	5020	5020	5020	5021	5021
	MAXCAL	DISCALAIR	VALCAL	MINICAL					
									
									
Body material	brass		chrome plated brass	brass	chrome plated brass	brass	chrome plated brass	brass	chrome plated brass
Max. working pressure	16 bar	10 bar		10 bar					
Max. discharge pressure	6 bar	10 bar	4 bar	2,5 bar					
Max. work. temp.	120 °C	110 °C	120 °C	120 °C				110 °C	
Automatic shut-off	-	-	optional	optional		-		✓	
Hygroscopic cap	-	optional		optional			✓		-
Connections	3/4"	1/2"	1/4" - 3/8" - 1/2"	3/8" - 1/2"	3/8" - 1/2"	3/4" - 1"	3/4" - 1"	3/8" - 1/2"	3/8" - 1/2"

	Automatic air vents with float anti-vibration system			
	5024	5025	5026	5027
	ROBOCAL			
				
				
Body material	brass			
Max. work. press.	10 bar			
Max. disc. press.	4 bar		6 bar	
Max. work. temp.	115 °C	110 °C	115 °C	110 °C
Automatic shut-off	-	✓	-	✓
Connections	1/4" - 3/8"	3/8"	3/8" - 1/2"	3/8"

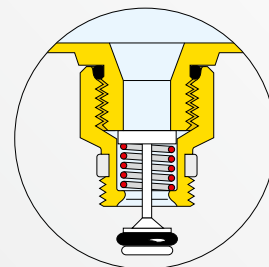
Hygroscopic cap

The operating principle is based on the properties of the cellulose fibre disks forming the retaining cartridge. These discs increase their volume up to 50% when they get wet, thus closing the valve. Instead, when air is present, the disks get dry and allow it to vente.



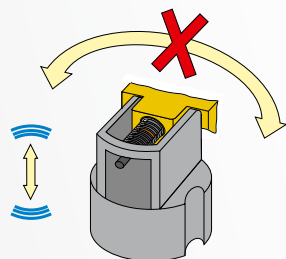
Automatic shut-off cock

The automatic shut-off cock, whose seal is ensured by an EPDM O-ring, facilitates servicing operations, blocking the flow of water when the valve is deactivated, and the control of the functionality of the venting device.



Float with anti rotation and anti vibration system

When the float is in rest position the obturator is not affected by any external movement.



REFERENCE DOCUMENTATION

501 series	- Technical brochure 01031
551 series	- Technical brochure 01124
5020-5021-5022 series	- Technical brochure 01054
5024-5025-5026-5027 series	- Technical brochure 01033

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