

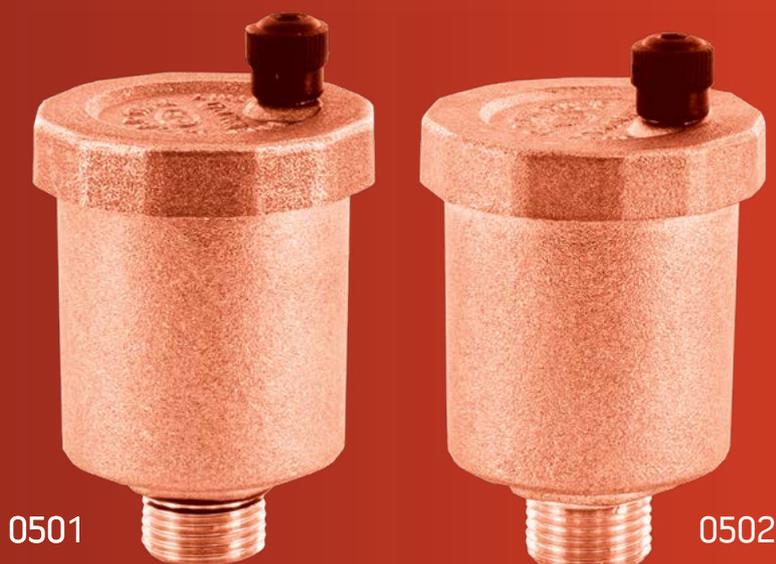
0501 • 3/8"-1/2"

0502 • 3/8"÷1"



AUTOMATIC AIR VENTS VALMAT YELLOW AND NICKEL-PLATED

CONNECTIONS: MALE WITH O-RING
MALE WITHOUT O-RING



DESCRIPTION

The automatic air vent **VALMAT** has a single automatic float and carries out two main functions: the evacuation of a consistent air flow through a pipeline (e.g., during loading/pressurization of the plant) and degassing, which discharges air trapped or formed in the pipeline, while functioning. This valve has a paramount importance in climatisation networks and systems, evacuating and discharging trapped air in water pipes for services under pressure. Moreover, as thoroughly documented in European Standard EN 14868, the presence of oxygen in heating systems can provoke anodic corrosion, noise, air pockets, obstructions, etc., that may significantly compromise the performance and integrity of the systems. Its reduced space requirements make this valve ideal for use inside modern heat generators, where air must be evacuated from the circulation pumps in order to prevent unwanted cavitation phenomena.

TECHNICAL FEATURES

Pressure:	
maximum allowable working pressure (PN)	10 bar
minimum sealing pressure	0.2 bar (Grade A according to EN 12266-1)
range of operation air evacuation	from 0.5 bar to 7 bar (tolerance ± 10% max. detected)
Temperature:	
maximum working temperature (TS)	0°C (excluding ice) +110°C
Compatible fluids:	
heat transfer fluids	in compliance with Italian national standards (UNI 8065 § 6)
glycolate solutions	(glycol) 50%
Threading:	
pipeline connection	threads according to ISO 228/1
Requirements and tests as per:	EN 1074-4 (together with additional requisites under FL.GQ.11)
Certifications:	*WRAS (codes 0502.012 - 0502.015 - 0502.020 - 0502.024)

DESIGN

Body	brass CW617N
Body (codes 0501.112 - 0502.013 - 0502.016 - 0502.020)	brass CB754S
Plug	brass CW617N
Seat	brass CW614N
Internal mechanisms	acetal resin (POM)
Seat gaskets and o-ring	NBR rubber
Float	polypropilene PP in highly resistant
Spring	stainless steel EN 10088-14310 (AISI 302)
Small plug	plastic reinforced glass
Nickel plating	electrodeposited coating EN 1456

PRODUCT CODES

0501.012	male	3/8"	with o-ring	yellow	0502.012	male	3/8"	without o-ring	yellow
0501.015	male	1/2"	with o-ring	yellow	0502.013	male	3/8"	without o-ring	nickel plated
0501.112	male	3/8"	with o-ring	nickel plated	0502.015	male	1/2"	without o-ring	yellow
0501.115	male	1/2"	with o-ring	nickel plated	0502.016	male	1/2"	without o-ring	nickel plated
					0502.020	male	3/4"	without o-ring	yellow
					0502.024	male	1"	without o-ring	yellow



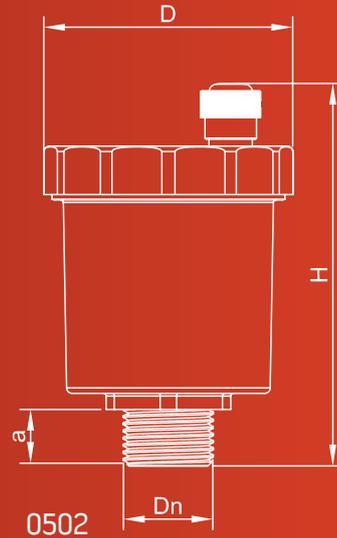
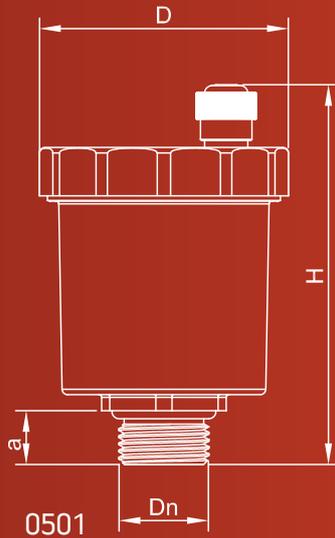
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FEATURES

0501

Dn	D	H	a
3/8"	Ø46	70	10
1/2"	Ø46	70	10

0502

Dn	D	H	a
3/8"	Ø46	70	10
1/2"	Ø46	70	10
3/4"	Ø46	70	10
1"	Ø46	73	13

VALMAT AIR VENTS OPERATIONAL CURVE

