

0501 • 3/8"-1/2"

0502 • 3/8"-1"

AUTOMATIC AIR VENTS "VALMAT" WITH O-RING YELLOW AND NICKEL-PLATED

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



0501



0502

HYDRAULIC FEATURES

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. Further, 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 $\pm 10\%$ 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)

DESIGN

Die cast brass body EN 1982-CB754S
Brass plug EN 12165 - CW617N
Seat in brass EN 12164 - CW614N
Internal mechanisms in ACETAL RESIN (POM)
Seat gaskets and o-ring in NBR RUBBER
Float in highly resistant POLYPROPYLENE PP
STAINLESS STEEL spring EN 10088-1431.0 (AISI 302)
Nickel plating ELECTRODEPOSITED COATING EN 12540 (Cu/Ni5s)

PRODUCT CODES

0501.012 male 3/8" with o-ring yellow	0502.012 male 3/8" yellow
0501.015 male 1/2" with o-ring yellow	0502.013 male 3/8" nickel plated
0501.112 male 3/8" with o-ring nickel plated	0502.015 male 1/2" yellow
0501.115 male 1/2" with o-ring nickel plated	0502.016 male 1/2" nickel plated
	0502.020 male 3/4" yellow
	0502.024 male 1" yellow



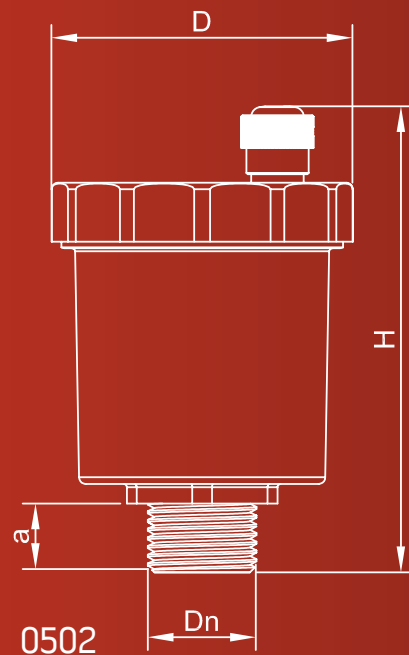
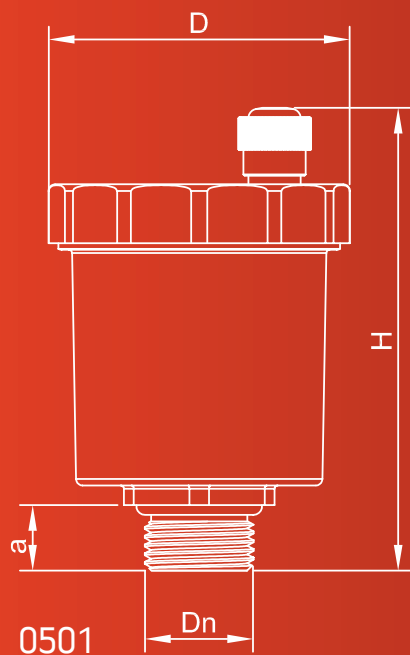
OFFICINE RIGAMONTI S.p.A.
via Circonvallazione, 9
13018 Valduggia (VC), ITALY
TEL. +39 0163.48165
FAX +39 0163.47254
www.officinerigamonti.it
export@officinerigamonti.it

0501 • 3/8"-1/2"

0502 • 3/8"-1"

AUTOMATIC AIR VENTS "VALMAT" WITH O-RING YELLOW AND NICKEL-PLATED

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



FEATURES

0501

Dn	D	H	a
3/8"	Ø46	70	7,5
1/2"	Ø46	70	8

0502

Dn	D	H	a
3/8"	Ø46	70	9
1/2"	Ø46	70	9
3/4"	Ø46	70	8,5
1"	Ø46	73	13,5

AIR VENTS OPERATIONAL CURVE

