

Air Valve VM6126M

ductile iron | female thread 1"-2" | flange DN 50-250 | PN 16



General

- » Air valve that will ensure the proper operation of the pipeline network allowing the release of air pockets during working conditions, the evacuation and entrance of large volumes of air during filling and draining operations.
- » Single chamber.
- » Full bore.
- » Internal ribs for consistent and accurate guiding of the mobile block.
- » Aerodynamic deflector in stainless steel to avoid premature closures.
- » Drainage valve for chamber control and pressure relief during maintenance.
- » Mobile block composed of a cylindrical float and upper disk in solid PP, joined together by the air release system.
- » The solid cylindrical floats, obtained by CNC machining, avoid deformations and ensure a great sliding precision inside the body processed ribs and a perfectly vertical thrust.
- » Nozzle and gasket holder entirely made in AISI 316 and designed with gasket compression control to prevent aging process and consequent leakage during working conditions.
- » Cover in ductile and screen in stainless steel as a standard execution to prevent the entrance of insects, with three more optional outlets (for submerged applications, air inlet only, air outlet only).



Options

- » Flange PN 10, PN 25, PN 40.
- » AS design.
- » EO design.
- » RFP design.

Technical Data

Dimension DN	1" [inch]	2" [inch]	50	80	100	150	200	250
Pressure rating PN	16	16	16	16	16	16	16	16
Pressure rating flange PN	-	-	16	16	16	16	16	16
Max. temperature °C	+60	+60	+60	+60	+60	+60	+60	+60
Min pressure bar	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2

Materials

Body	ductile iron JS1040
Screen	stainless steel 1.4301
Nozzle subset	stainless steel 1.4401
Float	PP
Seat	stainless steel 1.4301
O-ring	NBR
Stud	stainless steel 1.4301
Nut	stainless steel 1.4301
Drain valve	stainless steel 1.4305
Corrosion protection	epoxy blue RAL 5005

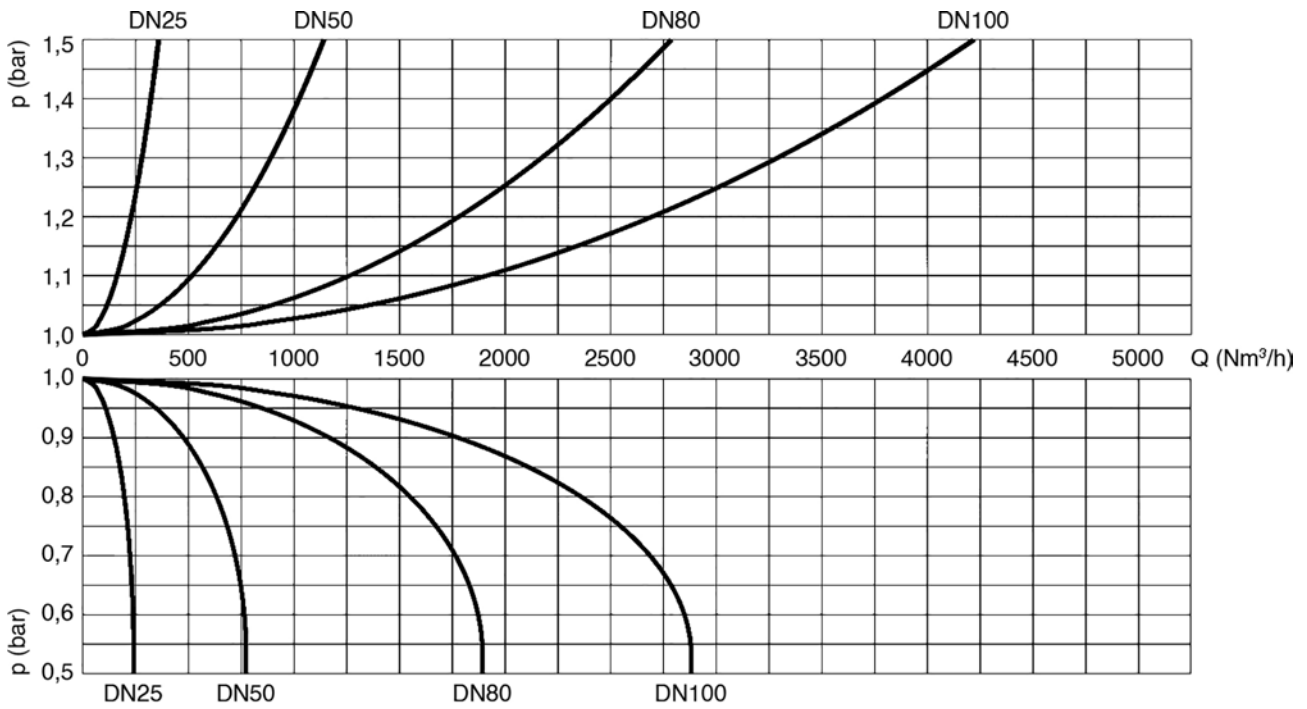
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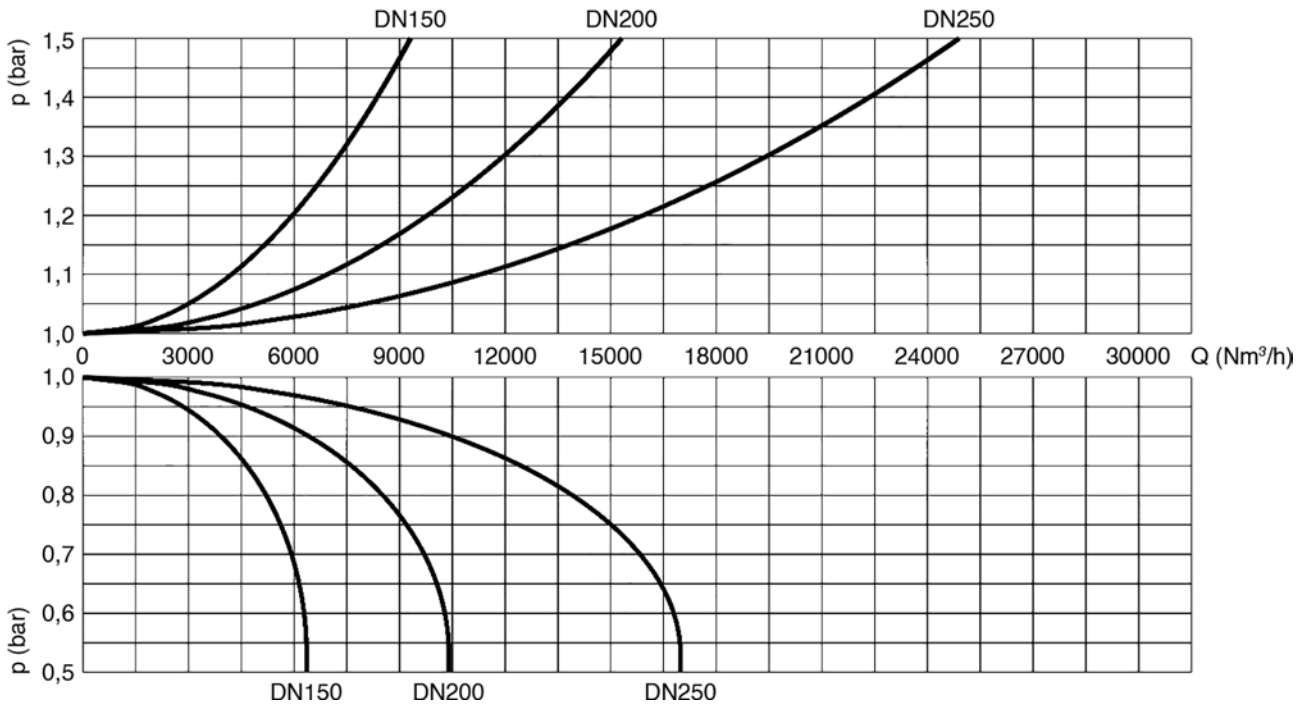


Air Discharge During Pipe Filling



Air Entrance During pipe Draining

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Air Entrance During pipe Draining

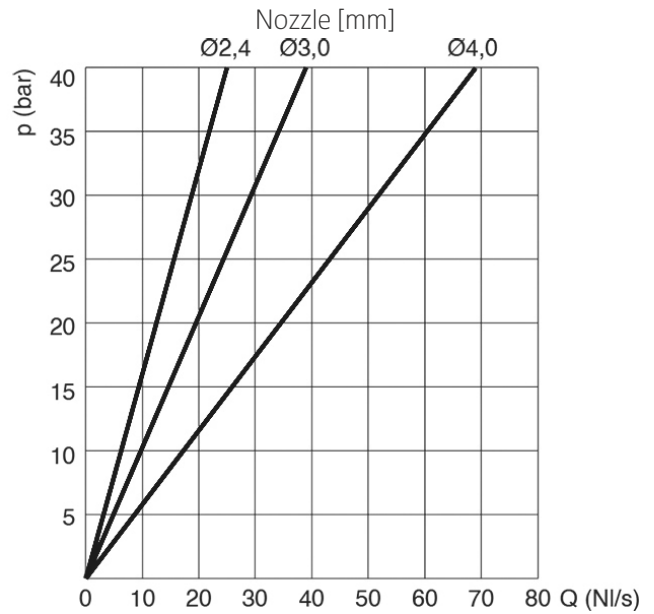
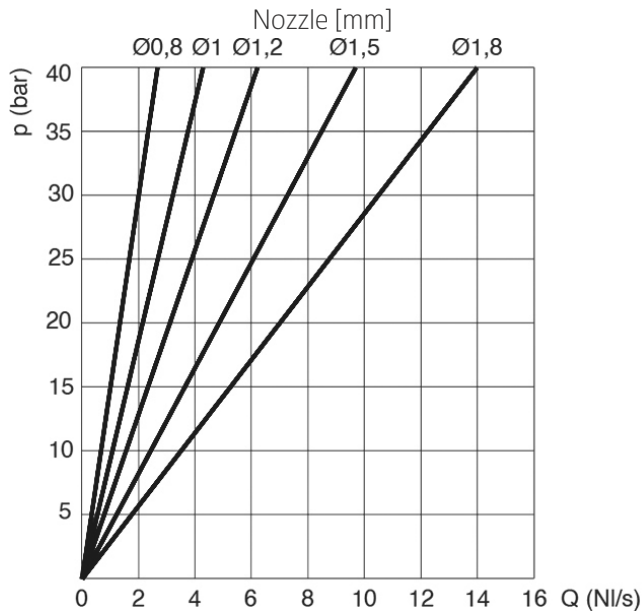
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Air Release During Working Conditions

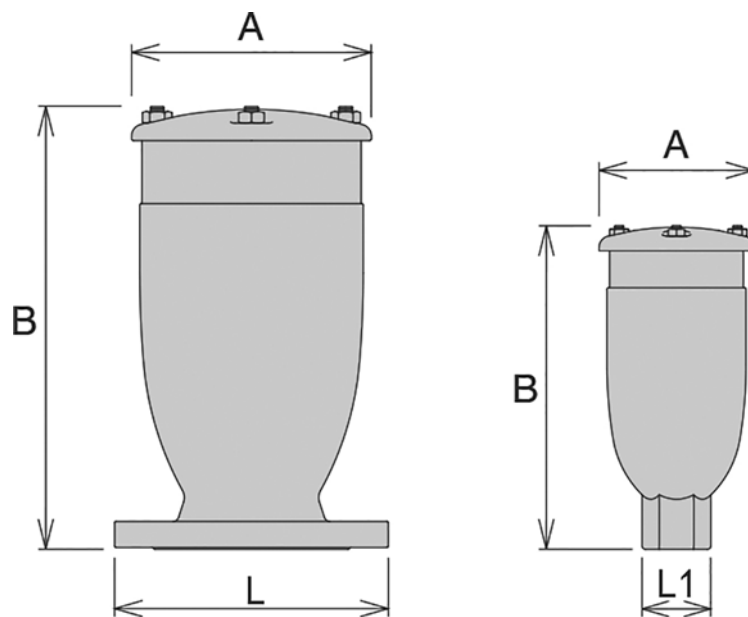


Dimensions [mm] and Weight

Dimension	DN	1" [tum]	2" [tum]	50	80	100	150	200	250
L		-	-	165	210	235	305	375	450
L		-	-	-	205	220	285	340	-
L1		CH 45	CH 70	-	-	-	-	-	-
A		117	141	141	172	206	285	380	440
B		240	295	305	315	370	515	625	785
Weight [kg]		4,0	7,5	9,5	13,8	21,7	44,5	85	134

Nozzle Diameter [mm]

Dimension	DN	25	50	80	100	150	200	250
PN 10		1,2	1,5	1,8	2,4	4	4	4
PN 16		1,2	1,2	1,5	1,8	3	4	4
PN 25		1	1	1,2	1,8	2,4	4	4
PN 40		0,8	0,8	1	1,2	1,8	3	4



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Markings

The valve is marked with DN, PN, materials and producer.

Mounting

Should be mounted standing.

A shut-off valve should be installed before and after the air valve. We recommend using steel-reinforced rubber seals according to DIN EN 1514-1 Form IBC. If you use raised face flanges, these seals are mandatory.

Maintenance

Maintenance can be easily performed from the top, without removing the air valve from the pipe.

Order Information

Air valve VM6126M,inches, PN 16 with female threads (1"-2").

Air valve VM6126M, DN....., PN 16 in flanged design (DN 50-250).