

DOROT DAV-P-A

Aquestia
Directing the Flow



Waterworks

Automatic Air Release Valve

Description

DOROT DAV-P-A Series is an Automatic Air Release Valve that releases accumulated air from a pressurized system, to optimize pipeline hydraulic efficiency by reducing head losses and improving flow.

Installation


- On pumps
- On liquid transmission pipelines
- After filters & pressure reducers

Operation



Automatic Air Release

Features and Benefits

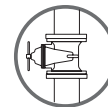
Rolling seal	Leak-free sealing over a wide range of pressure differentials
One-size orifice	Covers a wide pressure range (up to 25 bar)
All parts are suitable for corrosive liquid and environment	Non-corrosive and durable parts
Lightweight, small dimensions	Easily installed, even on polymeric piping systems, simple to maintain
 NSF/ANSI/CAN 61 certified & listed NSF/ANSI 372 certified & listed	For drinking water system component
	Conforms with lead content requirements for "lead-free" plumbing

Technical Specifications

Size range	½" ¾" 1"
Working pressure range	DOROT DAV-P-A 0.1 - 16 bar (PN16) DOROT DAV-MP-A 0.1 - 25 bar (PN25)
Temperature	Maximum working temperature: 60° C Maximum intermittent temperature: 80° C
Testing pressure	1.5 times maximum working pressure
Valve coating	Fusion bonded epoxy coating in compliance with standard DIN 30677-2 (Model DOROT DAV-MP)
Upon ordering, please specify: model, size, working pressure, thread/flange standard and type of liquid	

The isolation valve installed under the air valve must be fully open to prevent damage or malfunction and ensure performance within the specifications of the air valve.

For complete installation instructions, please refer to the IOM document.



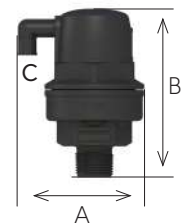


Valve Selection Options

Models	DOROT DAV-P-A DOROT DAV-MP-A	Protective metal shell
Valve connection	Threaded male BSPT/NPT	
Standard materials	Reinforced Nylon, Polypropylene, Brass, Cast Ductile Iron Shell	
Optional add-on components	One-way Out attachment, allows for air discharge only, prevents air intake	
Pressure rating	PN16	DOROT DAV-P-A
	PN25	DOROT DAV-MP-A

Dimensions and Weight

Model	Dimensions (mm)		Connections	Weight (kg)	Orifice Area (mm ²)
	max. A	B			
DOROT DAV-P-A	110	147	1/4" BSP Female	0.4	12.85
DOROT DAV-MP-A	116.5	137	1/4" BSP Female	2	12.85

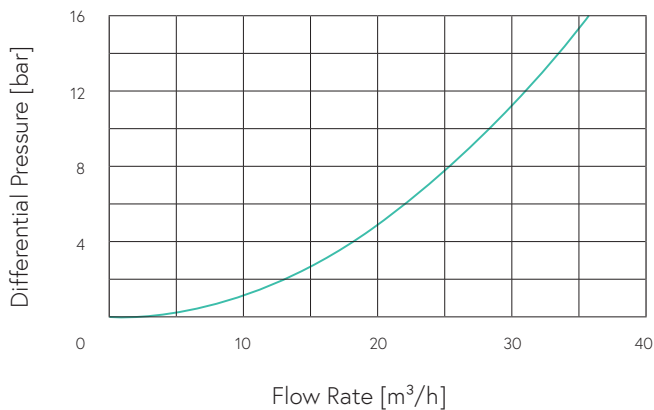


NOTE

Dimension A in the picture and in the table shows the maximum product width.
All product weights are approximate, due to the differences in flange standards, materials and variable accessories.

Flow Charts

Automatic Air Release Flow Rate



Parts List and Specifications | DAV-P-A Model

No.	Part	Material
1	Cover Assembly	
1a	Discharge Outlet	Polypropylene
1b	Cover	Reinforced Nylon / Polypropylene
2	Air Release	
2a	Float	Foamed Polypropylene
2b	Rolling Seal	EPDM
2c	O-ring	NBR / EPDM
3	Base	Reinforced Nylon / Brass / Polypropylene



Parts List and Specifications | DAV-MP-A Model

No.	Part	Material
1	Cover Assembly	
1a	Discharge Outlet	Polypropylene
1b	Shell	Ductile Iron
1c	Cover	Reinforced Nylon / Polypropylene
2	Air Release	
2a	Float	Foamed Polypropylene
2b	Rolling Seal	EPDM
2c	O-ring	NBR / EPDM
3	Base	Brass / Stainless Steel

