

# DOROT DAV-P-A

 **Aquestia**  
Directing the Flow



Irrigation

## 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)
Construction materials	UV resistant, non-corrosive and durable
Lightweight, small dimensions	Easily installed, even on polymeric piping systems, simple to maintain

## Technical Specifications

Size range	1/2" 3/4" 1"
Working pressure range	DOROT DAV-P-A 0.1 - 16 bar (PN16)
Temperature	Maximum working temperature: 60° C Maximum intermittent temperature: 80° C
Testing pressure	1.5 times maximum working pressure

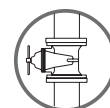
Upon ordering, please specify: model, size, working pressure, thread/flange standard and type of liquid

## Valve Selection Options

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

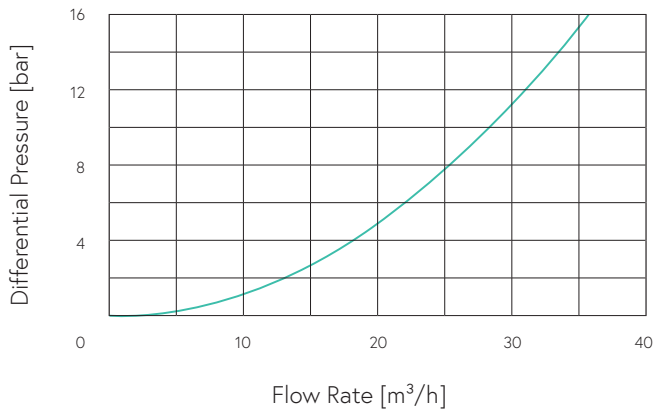
The isolation valve installed under the air valve must be fully open to prevent damage or malfunction and ensure performance within the specifications of the air valve.

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



## Flow Charts

Automatic Air Release Flow Rate



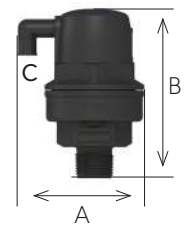
## Dimensions and Weight

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



## Parts List and Specifications

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

