

# DOROT DAV-LP-K

**Aquestia**  
Directing the Flow



Irrigation

## Air & Vacuum Air Valve

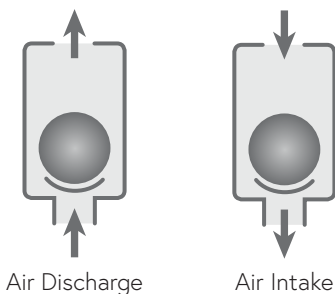
### Description

DOROT DAV-LP-K is a lightweight Air & Vacuum Air Valve. Valve operation includes venting air from a filling pipeline and also vacuum breaking (air intake) of a draining pipeline, to optimize pipeline hydraulic efficiency and flow.

### Installation

- Agricultural irrigation pipelines and laterals
- Landscape irrigation pipelines and laterals

### Operation



## Features and Benefits

Construction materials	UV resistant, non-corrosive and durable
All parts UV protected	Durable and long-lasting in outdoor environments
Lightweight, small dimensions	Easily installed, even on plastic piping systems, simple to maintain
Screen protected outlet	Prevents intrusion of insects and debris

## Technical Specifications

Size range	3/4" - 2"
Working pressure range	0.1 - 10 bar (PN10)
Testing pressure	1.5 times maximum working pressure
Temperature	Maximum working temperature: 60° C Maximum intermittent temperature: 90° C

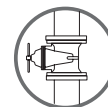
Upon ordering, please specify: model, size, working pressure, thread/flange standard and type of liquid

## Valve Selection Options

Valve connection	Threaded male BSPT/NPT - 3/4", 1" Threaded female BSPT/NPT - 2"
Standard materials	Reinforced Nylon - 3/4", 2"

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.



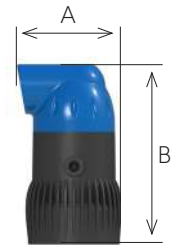
## Dimensions and Weight

Size	Dimensions (mm)		Weight (kg)	Orifice Area (mm <sup>2</sup> )
	max. A	B		
3/4" (20mm), 1" (25mm) THR	60	132	0.125	380
2" (50mm) THR	77	132	0.2	804

THR - Threaded

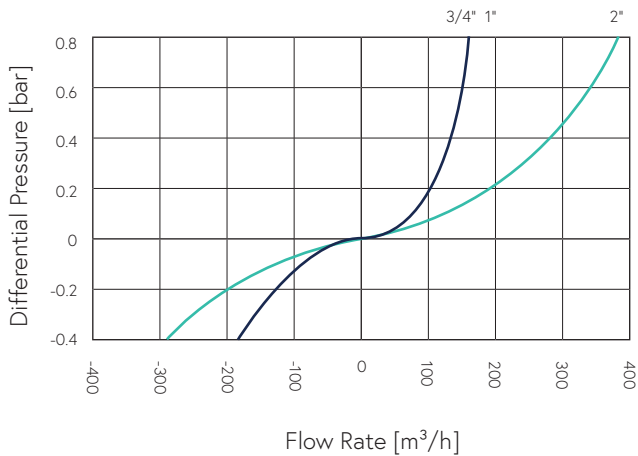
### NOTE

Dimension A in the picture and in the table shows the maximum product width. This width can be reduced by changing the cover direction. All product weights are approximate, due to the differences in flange standards, materials and variable accessories.



## Flow Charts

### Air & Vacuum Flow Rate



## Parts List and Specifications | 3/4", 1"

No.	Part	Material
1	Cover	Acetal
2	Body Assembly	
2a	Body	Reinforced Nylon
2b	Seal	EPDM
2c	Float	Acetal
2d	O-ring	NBR
2e	Base	Reinforced Nylon



## Parts List and Specifications | 2"

No.	Part	Material
1	Cover	Acetal
2	Body Assembly	
2a	Body	Reinforced Nylon
2b	Seal	EPDM
2c	Float	Acetal
2d	Ring	Reinforced Nylon

