

A.R.I. D-600 Series

 **Aquestia**
Directing the Flow

Engineered for Performance. Built for Trust.



High Performance Air Valve Series

A.R.I. D-600 is a Full-bore, Single-body, Combination Air Valve Series, integrating high-capacity air intake and air release functions into one efficient unit; venting large air volumes, releasing small pockets and preventing pipeline vacuum collapse. Installed on liquid transmission systems, these valves are essential for maintaining operational efficiency, reducing energy consumption and protecting the structural integrity of the pipeline

Size Range: 2", 3", 4"

Working Pressure Range: 0.1-16 bar (PN 16) | 0.2-25 bar (PN25)

Certification: Certified & approved for major drinking water standards

Versatile Installation Options

Select any of these safe and easy connection options for draining or venting pipes.



High Performance Multi-function Features

Surge Protection

Adjustable non-slam disc, throttles air discharge to minimize water hammer and pressure surges during rapid filling.

Automatic Rolling Seal

- Large-orifice automatic sealing mechanism delivers extremely high air venting capacity that is less prone to clogging.
- Ensures reliable, leak-free sealing across wide pressure differentials.

Robust Construction

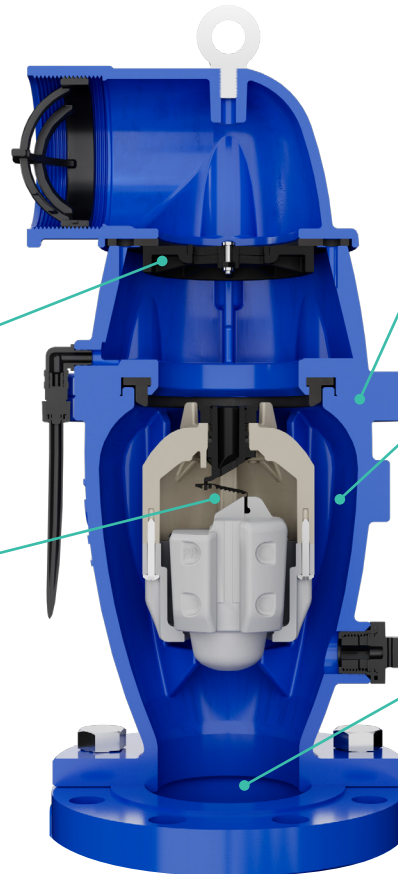
Cast protective shell shields internal parts, for longer life under challenging conditions.

Aerodynamic Design

- Ensures efficient air intake / release.
- Prevents turbulence-induced closure at low differential pressures.

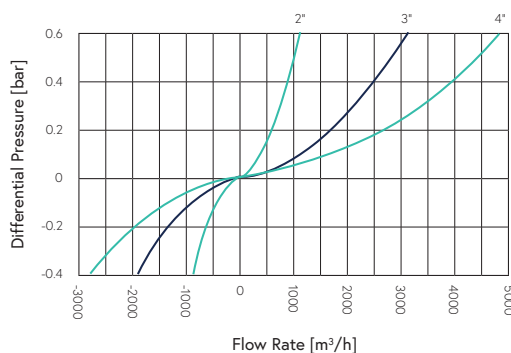
Full-bore Design

Ensures internal cross section of the valve equals valve intake diameter, for unrestricted, maximum-volume air release at system filling and massive air intake during drainage.

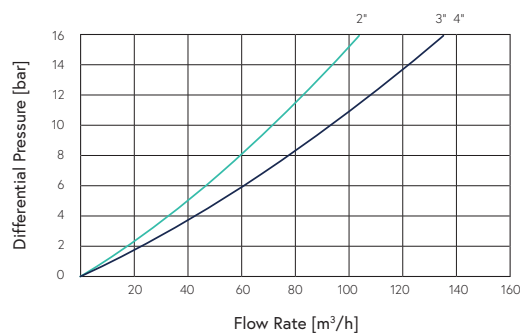


Extremely High Air Intake & Air Discharge

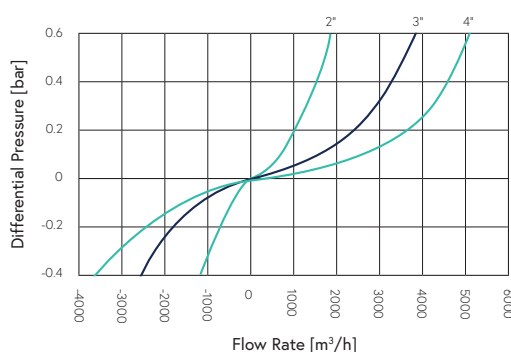
Air & Vacuum Flow Rate
Horizontal Cover Model



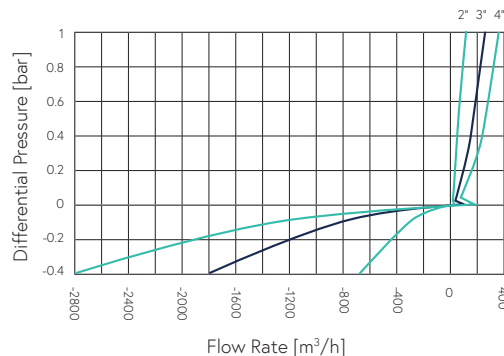
Automatic Air Release Flow Rate



Air & Vacuum Flow Rate
Screen / Vertical / Horizontal Outlet Models



Air & Vacuum Flow Rate
NS Models



Contamination Prevention Solutions

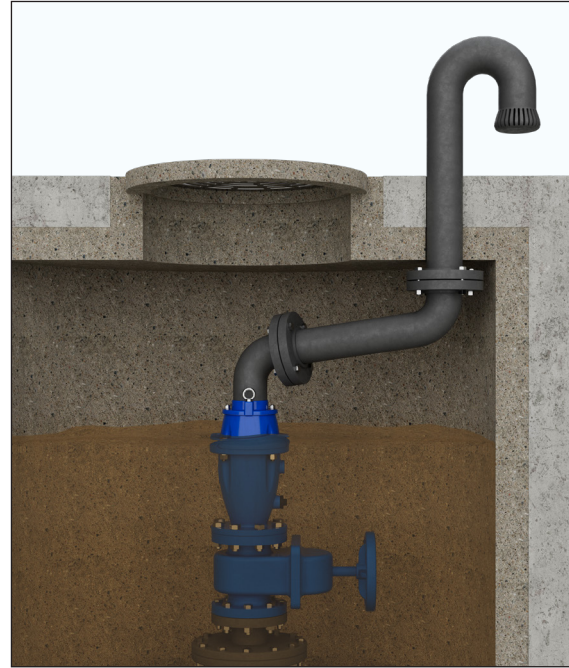
Innovative Flood Guard

Protects potable water systems from external contamination caused by floodwater overflow.



Vertical Standpipe

Reroutes air intake / discharge above flood levels for full valve functionality during flooding.



Screen-protected Outlet

Allows air flow while preventing intrusion by debris or small animals.



Exclusive Drainage Pipe

Specially designed hygienic solution prevents stagnant water build-up above valve sealing surface.



Low Cost of Ownership (TCO)



Low Cost of Ownership is defined by high durability, minimal maintenance and energy efficiency; which together prevent expensive, unexpected downtime and frequent repairs.

Compact Design

Durable, lightweight body eases handling and retrofits, without sacrificing flow capacity.

Pressure Release Plug

Allows safe handling and operation, while including a monitoring connection point.

Ease of Maintenance

Reduces downtime, labor and repair costs by facilitating easy inspection, cleaning and part replacement.

There's Always More to Learn About Our Products

For additional information and downloads, scan the QR Code

- Product Catalog
- IOM
- Animation Video

