

## AIR RELEASE VALVE DOUBLE EFFECT 1”

### DESCRIPTION

Designed to efficiently extract the air trapped in pipes, filters, tanks and other places where unwanted air might cause performance problems.

Owing to a perfect fit, the valve is totally sealed even at very low pressures. Simple in design, with just five parts, it's easy to unassemble for cleaning when needed.

Its neck features a built-in filter to prevent undesired objects, such as insects or leaves, from getting into the valve.

Due to its exclusive inner design, the float is not dragged up by the air stream, even when air overtakes sound speed in the outlet. Only water will get the valve shut.

The body and base are made of fiber-glass reinforced polyamide and treated for protection from UV radiation.



### PERFORMANCE

The valve performs two functions:

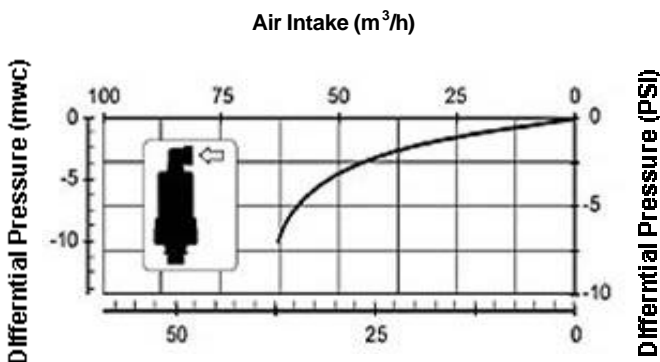
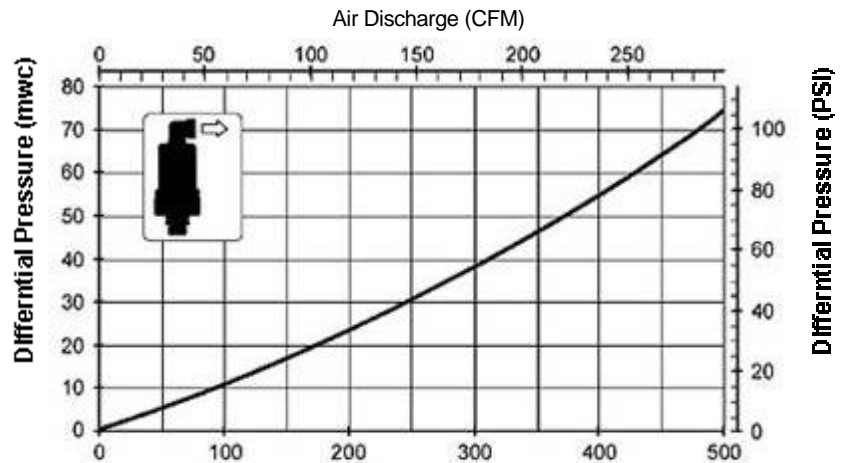
It **extracts** the air trapped in pipes as they fill. When water reaches the inside of the valve, the float rises shutting the outlet.

It **protects** pipe crush, cause, if depressure happens, the float drops, opening the outlet and allowing air to enter the pipes, returning the atmospheric pressure to their inside.

## TECHNICAL SPECIFICATIONS

### Kinetic air release valve:

- \* At least 295 CFM (500 m<sup>3</sup>/h) of air released without having the valve shut while no water present.
- \* Released air volume is at least 26 CFM at 5 PSI (45 m<sup>3</sup>/h a 0.4 bar).
- \* Working pressure of at least 225 PSI (16 bar).
- \* Body and base made of fiber-glass reinforced polyamide.
- \* Treated for protection from UV radiation.
- \* 1”M base thread.
- \* 3/4”H threaded outlet includes filter



Air Discharge (m<sup>3</sup>/h)

#### Measuring units

m<sup>3</sup>/h = cubic meters per hour  
 mwc = meters of water column  
 CFM = Cubic Feet per Minute  
 PSI = Pounds per Square Inch

1 CFM = 1.699 m<sup>3</sup>/h  
 1 PSI = 0.70307 mwc

## AIR RELEASE VALVE DOUBLE EFFECT 2"

### DESCRIPTION

Designed to efficiently extract the air trapped in medium size pipes, big filters, tanks and in any other places where the absence of air is required for a correct performance.

Due to its perfect inner finish, it's totally sealed at very low pressures.

With just five parts, it's quite easy to unassemble when cleaning becomes necessary.

It's outlet features a threaded elbow to provide a wider range of connection possibilities, for it's easily detachable, offering a vertical outlet.

Owing to its exclusive inner design, the air stream will not drag the float up, even when air overtakes sound speed in the outlet. Only water will get the float to rise.

Its body and base are made of fiber-glass reinforced polyamide and are treated for protection from UV radiation.



### PERFORMANCE

The valve performs two valve:

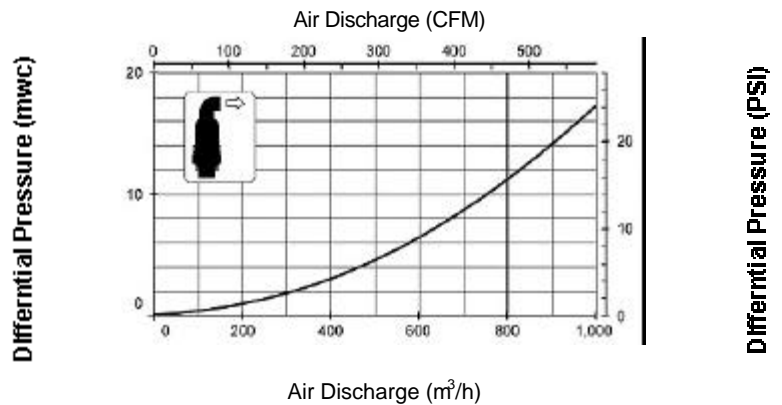
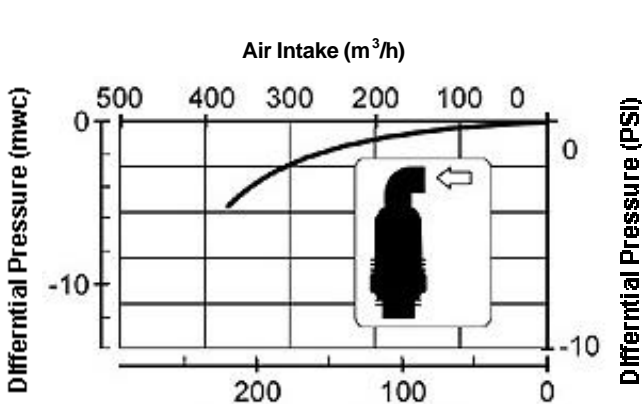
It **extracts** the air from pipes as they fill. The float rises, pushed by water when it reaches the inside of the valve, shutting the outlet.

It **prevents** pipe crush, for, when depression happens, the float drops and opens the outlet, allowing air to enter the system, restoring the atmospheric pressure inside the pipes.

## TECHNICAL SPECIFICATIONS

Kinetic air release valve.

- \* At least 590 CFM (1000 m<sup>3</sup>/h) of air released without having the valve shut while no water present.
- \* Released air volume is at least 215 CFM at 5 PSI (365 m<sup>3</sup> /h a 0.28 bar)
- \* Totally sealed from 3 PSI (0.2 bar).
- \* Working pressure of at least 225 PSI (16 bar).
- \* Body and base made of fiber-glass reinforced polyamide. Treated for protection from UV radiation.
- \* Brass base also available.
- \* 2" M BSP or NPT base thread.
- \* Threaded elbow outlet.



**Measuring units**  
 m<sup>3</sup>/h = cubic meters per hour  
 mwc = meters of water column  
 CFM = Cubic Feet per Minute  
 PSI = Pounds per Square Inch

1 CFM = 1.699 m<sup>3</sup>/h  
 1 PSI = 0.70307 mwc

## AIR RELEASE VALVE TRIPLE EFFECT 1"

### DESCRIPTION

This valve is designed to efficiently extract the air trapped in pipes, filters, tanks and other places where unwanted air might cause problems.

The valve has one seal, which expels both kinetic and residual air automatically, and this function is not affected by water pressure.

Its exclusive Y-shaped discharge outlet design allows a much greater air flow than in other valves of this kind, in both the intake and discharge processes.

Owing to a perfect fit, the valve is totally sealed even at very low pressures. Simple in design, with a total of only 5 parts, it's easy to unassemble for maintenance and cleaning when needed. The body is red in color, making it easily visible. The base is available with 1" M BSP or NPT thread.



### PERFORMANCE

The valve performs three functions:

It **extracts** the air from pipes as they fill, and when water reaches the inside of the valve, the float rises and seals the discharge outlet.

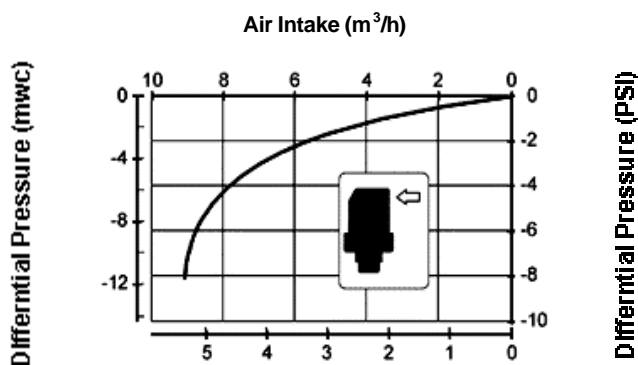
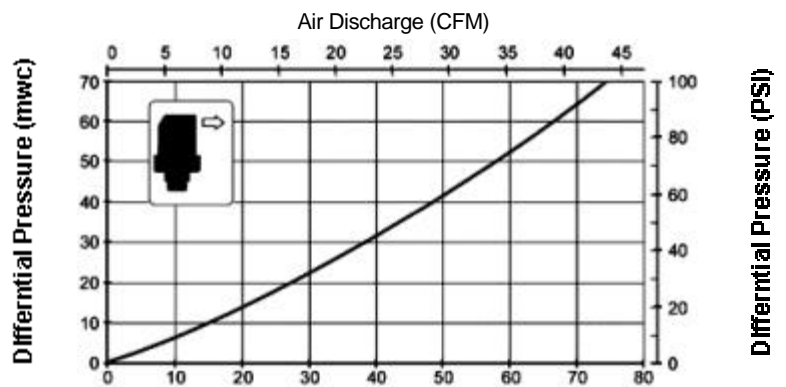
It **exerts continuous** automatic control, eliminating any residual air pockets reaching the valve, as the float immediately drops, partly or totally opening the discharge outlet. The internal water pressure does not prevent this function from being carried out.

It **prevents** pipe collapse, because, at the least decrease in pressure, the float drops, opening the seal and allowing outside air to enter the pipe.

## TECHNICAL SPECIFICATIONS

Automatic continuous-control air release valve.

- \* At least 41.2 CFM (70 m<sup>3</sup>/h) of air released without having the valve shut while no water present.
- \* Released air volume is at least 8.8 CFM at 14 PSI (15 m<sup>3</sup>/h a 1 bar).
- \* Totally sealed from 3 PSI (0.2 bar).
- \* Working pressure of at least 170 PSI (12 bar).
- \* Body and base made of fiber-Glass reinforced polyamide. Treated for protection from UV radiation.
- \* 1" M base thread.



**Measuring units**  
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 1 PSI = 0.70307 mwc

## AIR RELEASE VALVE TRIPLE EFFECT 2"

### DESCRIPTION

Valve designed to extract the air from pipes, large filters, tanks or any other similar equipment which must work without the presence of air.

An exclusive double seal system, one for kinetic performance and another for automatic control, together with its low density float, makes this valve completely watertight as the pipe is being pressurized or emptied, no matter how slowly these operations are carried out.

Its new inner design achieves its float to resist the air stream even when it's faster than sound in the outlet. The valve will only shut by means of water.

Its outlet elbow features an inner filter to prevent outer objects to enter the valve.



### PERFORMANCE

The valve performs three functions ::

It **extracts** the air from pipes as they fill. This stage ends as water reaches the inside of the valve, raising the float and closing the main discharge outlet.

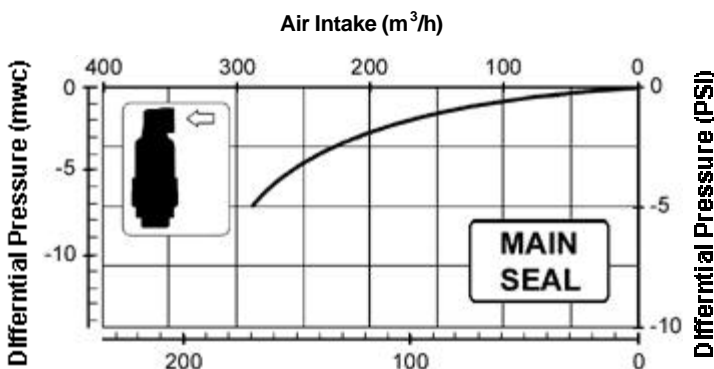
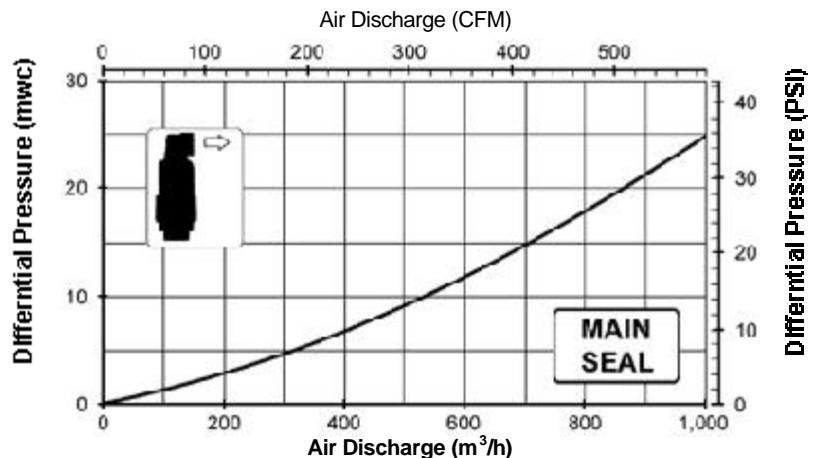
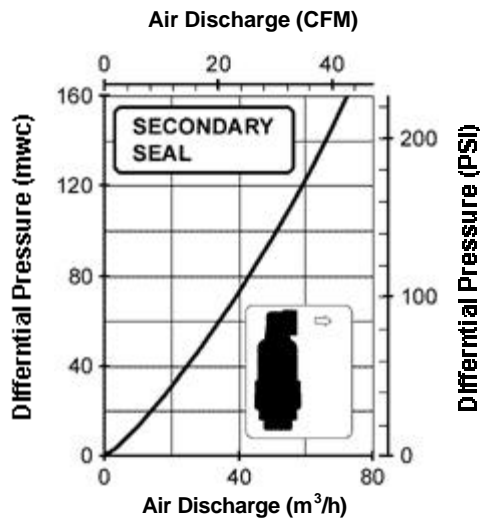
It exerts **continuous automatic control**, eliminating any residual pocket of air that might reach the valve, as when this happens, the float drops, partially or totally opening the discharge outlet.

It **prevents** pipe collapse, because, at the least decrease in pressure, the float drops, completely opening the main seal, allowing outside air to enter the pipe

## TECHNICAL SPECIFICATIONS

Kinetic and automatic air release valve:

- \* At least 590 CFM (1000 m<sup>3</sup>/h) of air released without having the valve shut while no water present.
- \* Released air volume is at least 140 CFM at 5 PSI (200 m<sup>3</sup>/h a 0.28 bar).
- \* Totally sealed from 3 PSI (0.2 bar)
- \* Working pressure of at least 225 PSI (16 bar)
- \* Body and base made of fiber-Glass reinforced polyamide. Treated for protection from UV radiation.
- \* 2" M BSP or NPT base thread.
- \* 1-1/4" F threaded outlet with filter



### Measuring units

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