

 Surge arrester to avoid hydraulic shock

 Air valve allows air to inflow and discharge without releasing water

 Easily installed at the top of the riser or highest part of the pipework

DESCRIPTION

This valve has been designed for an efficient discharge of air from small water network systems, filters, containers and other devices where trapped air may impair the systems operation.

The valve is appropriate for:

- Expelling the air at high flow velocity during the initial filling of the system.
- Introducing air when the pipe drains, maintaining atmospheric pressures in the pipe, preventing collapse and cavitation damage.
- Surge arresting when the pipework has been drained.

OPERATION

The anti-surge valve has two modes of operation:-

Discharging of air at a high flow velocity when the pipe is being filled. When the water arrives to the valve, the float rises up and closes the outlet.

Introduction of air into the pipeline when the internal pressure is sub-atmospheric. The pressure difference forces the float to drop to "opened" position, allowing large volumes of air to flow into the pipe.

TECHNICAL SPECIFICATIONS

- Operating Pressure of 0.2 to 16 bar
- 1" BSP threaded base
- Structure materials: Cover: GRP (UV resistant), Base: Brass non-return valve & nipple
- Internal parts: Corrosion resistant plastic materials and synthetic rubber
- The valve allows the discharge of 130m³/h of air at pipe pressure of 0.5 bar
- Maximum temperature 70°C

CONNECTIONS

Bottom inlet = 25mm BSP
Top Discharge = 20mm BSP

DIMENSIONS | WEIGHT

Dimensions:- Height = 270mm
Diameter = 80mm

Weight:- 0.8 KG