



ABRASIVE FLOW SOLUTIONS



## AIR RELEASE VALVE

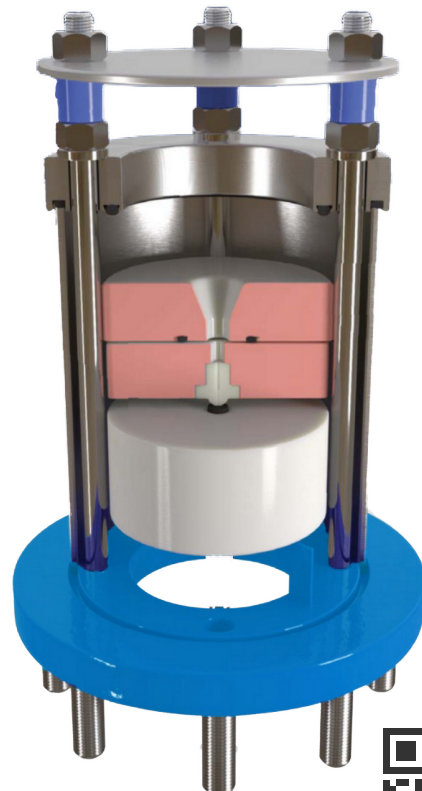
AFS' Air Release Valve offers a tri-functional air valve that not only breaks vacuum, but also reduces surge on pipeline filling and releases air under operating conditions. AFS' vacuum break valves should be located on the apex of a pipeline to allow air to enter if the pipe ruptures or a scour valve is opened.

### Product Specifications:

<b>Size Range:</b>	25 - 200mm.
<b>Valve Type:</b>	Air Release
<b>Barrel:</b>	304 Stainless Steel.
<b>Flanges:</b>	Mild Steel, FBE Coated or Threaded (BSP).
<b>Temperature range:</b>	80°C
<b>Pressure rating:</b>	Up to 580psi (40 Bar)
<b>Body Material:</b>	Stainless Steel (304 or 316).
<b>Floats:</b>	Guided HDPE.
<b>Screen and cover plate:</b>	304 Stainless Steel.
<b>Flanged body:</b>	ANSI B16.5, DIN, Screwed, SABS & BS Optional.
<b>Seals and O rings:</b>	EPDM

### Features:

- Triple function.
- Light weight.
- Non slam.
- Cost effective.
- No sticking.
- Small orifice to bleed air.
- Controlled velocity.
- Anti shock function.
- No blocking or leakage.
- No sticking of the floats.
- EPDM 'O' Ring for positive seal.
- The solid float will not deform under pressure.
- The cylindrical design also increases the effectiveness of the valve's operation during vacuum conditions.

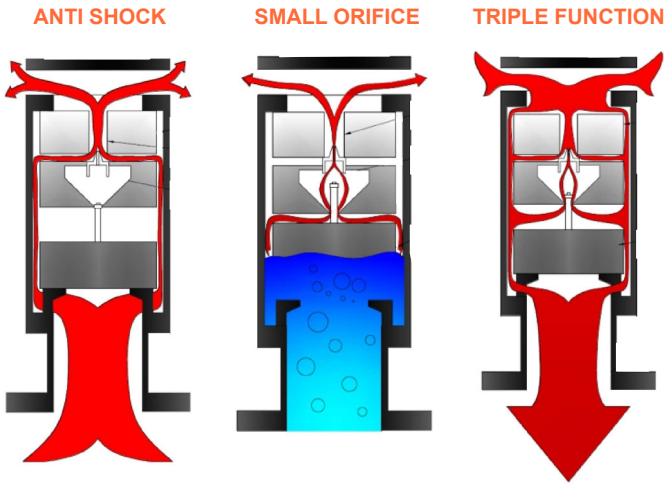
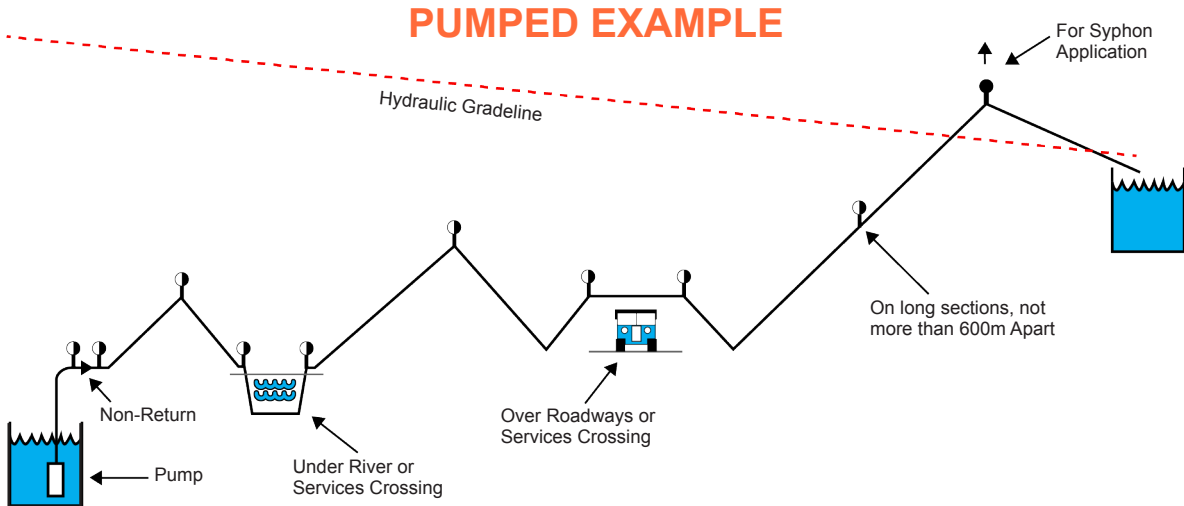


**Placement**

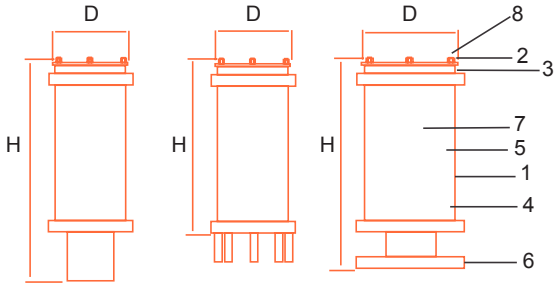
The graphic shows most of the common places where AV (air release valves) are fitted. High points are a natural start, also where the pipeline crosses obstacles like rivers and roads. Check for syphon application above the hydraulic grade line. To control pump start and pump trip, AV should be placed before and after the check valve.

**Applications**

The valve is suited for deep well pumping, waterlines, sewage, pump suction and pump discharge.



**Dimensions & Weights**



VALVE SIZE (MM)	HEIGHT	DIAMETER	BLEED NOZZLE OD	ANTI SHOCK OD	WEIGHT (KG)
25	325	95	1.1	3.3	5
50	335	115	1.5	6.5	8
80	330	120	1.8	10.5	16
100	330	165	1.8	13.5	20
150	440	285	3	20	60
200	520	300	3	27	90

PART	DESCRIPTION
1	Body 304 Stainless Steel
2	Cover Plate 304 Stainless Steel
3	Screen 304 Stainless Steel
4	Barrel 304 Stainless Steel
5	Floats HDPE
6	Bottom Flange FBE Coated Mild Steel
7	Seals & O-Ring EPDM
8	Tie Rods 304 Stainless Steel

Dimensions and weights are for guidance only - detailed dimension drawings are available on request. All dimensions are in millimeters, unless otherwise stated.

