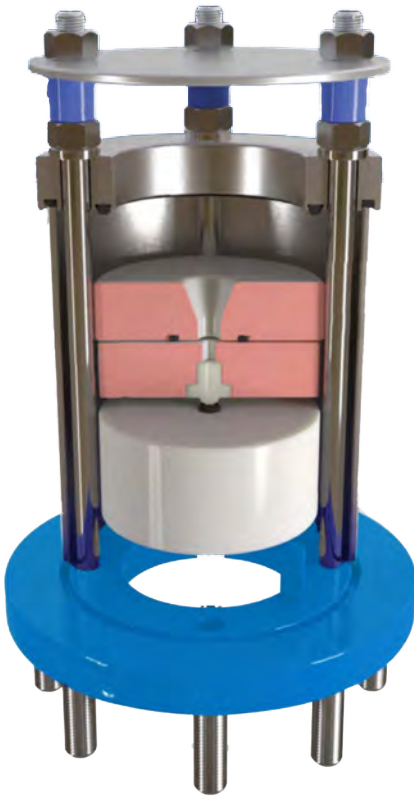


DUAL AIR RELEASE VALVE



DUAL's 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. Dual's 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 SPECIFICATION

VALVE BODY: Stainless Steel (304 or 316).

BARREL: 304 Stainless Steel.

FLANGES: Mild Steel, FBE coated or threaded (BSP).

FLOATS: Guided HDPE.

SCREEN AND COVER PLATE: 304 Stainless Steel.

PRESSURE RATING: Working Pressure standards are PN 10, PN 16, PN 25 and PN 40.

SEALS AND O RINGS: EPDM.

DRILLING PATTERNS: ANSI B16.5, DIN, Screwed, SABS & BS Optional.

SIZES: 50mm through to 200mm. Larger sizes on request.

TEMPERATURE RATINGS: Operating temperatures to 80°C. Higher conditions are possible if the valve is constructed from suitable materials.

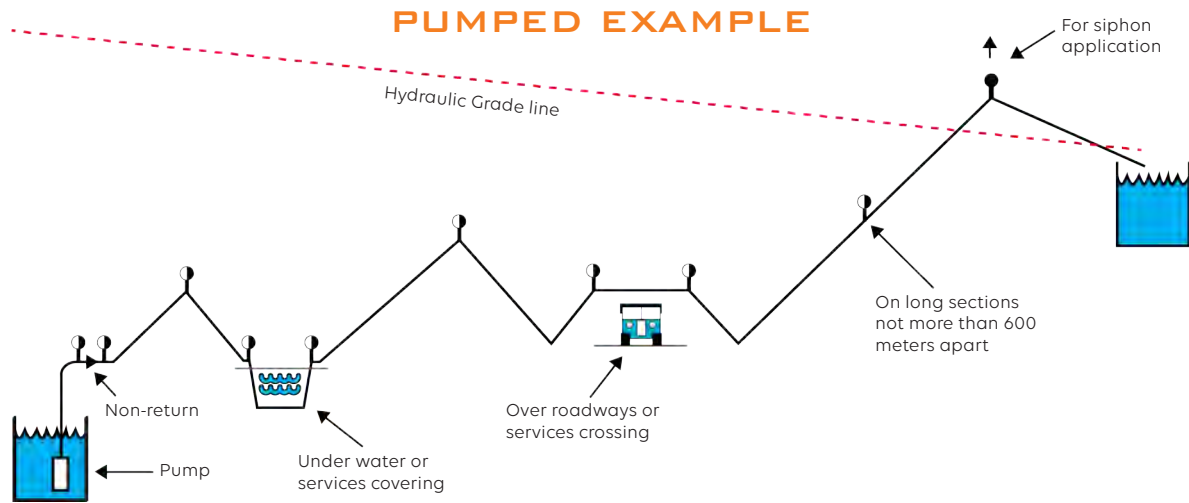
MATERIAL CERTIFICATION: Certified chemical and physical test reports can be supplied.

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.

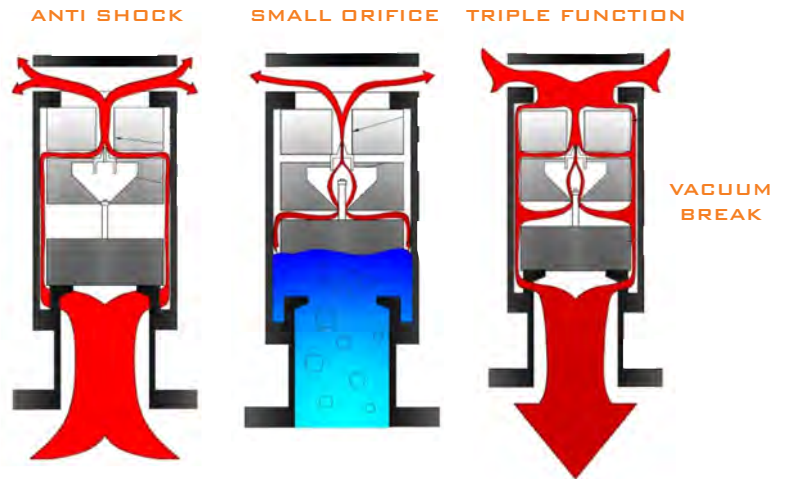
PLACEMENT

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 siphon application above the hydraulic grade line. To control pump start and pump trip, AV should be placed before and after the check valve.

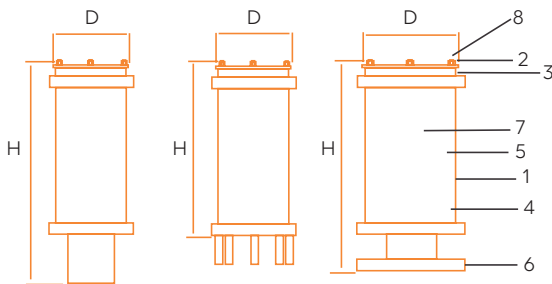


APPLICATIONS

- Deep well pumping.
- Waterlines.
- Sewage.
- Pump suction.
- Pump discharge.





DIMENSIONS AND 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

Contact Dual Valves for larger sizes. Dimensions are for guidance only - detailed dimension drawings available on request. All dimensions are in millimeters, unless stated.

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