

AIR VALVES

Beaver Air-Vacuum Release Slurry Air Valve

A combination air valve specifically designed for applications involving highly abrasive slurry.

AB150, AB300



B | E | A | V | E | R

beaverprocess.com.au



Beaver AB150 Air Valve

Beaver AB150–AB300 Air Vacuum Release Slurry Air Valve

The Abrasimax AB Series Air is a combination air valve with two main functions: removing large amounts of air during the filling process and admitting air into the pipeline while it's being emptied.

For the body lining, this custom-built valve uses Slurryflex Grade A rubber, a specialty rubber compound that exhibits excellent resilience against wear and abrasion. The lining can be further customised with other materials, including custom-engineered polymer, to further boost abrasion resistance.

The Abrasimax Slurry Air Valve is specifically engineered for demanding slurry applications and other severe services involving undissolved solids.

KEY FEATURES

- Soft seat, kinetic single orifice air release and vacuum break valve.
- Large port design prevents clogging and allows disposal of large volumes of air during pipeline filling.
- Cross sectional flow path of orifice is equal or larger than the inlet and outlet.
- High wear-resistant primary seal has large contact surface and ensures drip-tight sealing.
- Advanced polymer lined body protects against abrasive and erosive wear.
- Rotating ball float prevents sticking and caking of media.

Need technical advice? Our friendly specialists are here to help.

AB150-AB300

Air-Vacuum Release Slurry Air Valve

Table 1. AB150-AB300 Technical Specifications

Technical Specifications	
Brand	Beaver
Model	AB150 (Class 150) AB300 (Class 300)
Size range	DN50-300 (1-12")
Pressure class	Class 150 Class 300
Temperature range	-29°C to +80°C
End connections	Flanged
Design and manufacture	ASME B31.3 ASME B16.34
Testing and inspection	API 598

Diagram. AB150-AB300 Parts

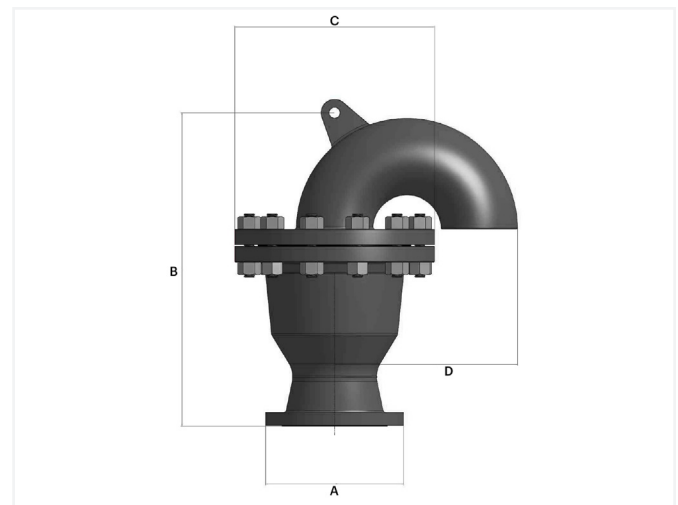


Table 2. AB150-AB300 Material Specifications

Material Specifications		
Part	Standard	Optional
Body and bonnet	Carbon steel	Stainless steel Duplex and super duplex stainless steel Exotic alloy
Body and bonnet coating	Multi-pack polyurethane	Multi-pack modified epoxy Custom options
Body lining	Slurryflex Grade A rubber	Polyurethane NBR Bromobutyl Custom-engineered polymer
Float	HDPE	Nitrile-coated aluminium or stainless steel Bromobutyl-coated aluminium custom engineered polymer Urethane-coated aluminium or stainless steel
Seal	Wear-resistant natural rubber	Urethane Nitrile Bromobutyl Custom-engineered polymer
Float guide and seal retainer	UHMW Polyethylene	Ni-hard Ceramics Custom
Gasket	NBR	

Table 3. AB150-AB300 Dimensions

Product Dimensions (mm)										
	Class 150 (21 bar)					Class 300 (51 bar)				
Bore	50	80	100	150	200	50	80	100	150	200
A	152	190	228	280	343	165	210	254	317	384
B	375	490	541	685	882	375	490	541	685	882
C	228	254	279	343	482	254	280	317	281	520
D	182	273	362	540	720	182	273	362	540	720
kg	18	32	42	52	68	19	36	46	55	76



We're here to help

We know it's important for you to talk to someone who knows their stuff. So if you have technical questions or need help choosing the right products, talk to our team. We'll walk you through our proven problem solving process.

1. Tell us what you need.

Tell us about your project. What do you want to achieve? What problems do you need to overcome? Let's work back from there.

2. Choose the right solution.

Weigh up the options. We'll do the analysis, discuss the options with you, and make a recommendation—the choice we'd make in your shoes.

3. Get the job done.

Complete your project, with the right products, on time and to spec. We've got your back all the way, with support during installation and commissioning.

Tap into our expertise and talk to our friendly, expert team.

B | E | A | V | E | R

To request a quote or explore our product range, visit beaverprocess.com.au

Phone: 1300 295 799 | Email: sales@beaverprocess.com.au