

Beaver Three-Function Air Valve

A combination automatic air valve with either flanged or threaded connections designed for water services.

A01, A02, A03, A04, A05, A06





Beaver A05 Air Valve

Beaver A01–A06 Three-Function Air Valve

The Beaver A01–A06 Three-Function Air Valve has a multi-function design that makes it light, reliable, and easy to install.

The valve works by expelling air that accumulates during filling; letting in air during emptying to prevent vacuum formation; and removing air pockets when the valve is pressurised.

This series of Beaver Combination Air Valves is suitable for drinking water, sewage, irrigation, and water supply.

KEY FEATURES

- Monobloc body air valve with three-fold function of purging, admitting, and expelling air.
- Pressure rated to PN10, PN16, or PN25.
- Has a big orifice for optimal filling and emptying capacity.
- Optimises fluid flow with an input and output capacity equal to the valve's diameter.
- Allows complete removal of air while keeping the float ball secure even when air reaches high speeds.

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

A01–A06

Three-Function Air Valve

Tables 1–2. A01–A06 Specifications

Technical Specifications		Material Specifications	
Brand	Beaver	Body	Ductile iron EN GJS-500-7
Model	A01 (PN10 Threaded) A02 (PN16 Threaded) A03 (PN25 Threaded) A04 (PN10 Flanged) A05 (PN16 Flanged) A06 (PN25 Flanged)	Cover, float ball, and internal mechanisms	Stainless steel A304 Optional A316
Size range	DN25–300 (1–12")	Seat	Elastomer NBR/EPDM
Pressure class	PN10 PN16 PN25	Bolting	Internal stainless steel A2 External galvanised steel
End connections	Threaded Flanged	Coating	Non-toxic epoxy for drinkable water Internal and external thickness of 200 microns
		Contact us for other materials and coatings	

Diagram. A01–A06 Parts

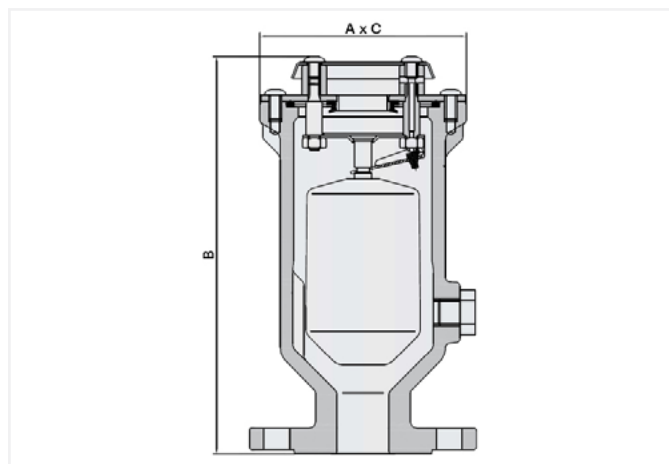


Table 3. A01–A06 Test Pressure

Test Pressure		
Nominal pressure	Body	Seat
PN10	15 bar	11 bar
PN16	24 bar	18 bar
PN25	38 bar	28 bar

Table 4. A01–A06 Dimensions

Product Dimensions						
Size	DN25	DN50	DN50	DN65	DN80	DN100
Connection	Threaded M.	Threaded M.	Flanged	Flanged	Flanged	Flanged
A (mm)	105	140	140	140	184	222
C (mm)	105	140	140	140	184	222
B (mm)	200	256	258	260	355	394
Weight (kg)	2.3	4.9	7	9	18	25

Table 5. A01–A06 Aeration Capabilities

Automatic Drain/Standard Orifice (mm)						
Size	DN25	DN50	DN50	DN65	DN80	DN100
	(Threaded)	(Threaded)	(Flanged)	(Flanged)	(Flanged)	(Flanged)
PN10/PN16	2	3	3	3	4	5
PN25	1.5	2	2	2	4	5



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

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