

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 A01–A06 Three-Function Air Valve



Beaver A05 Air Valve

The Beaver A01–A06 Combination 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

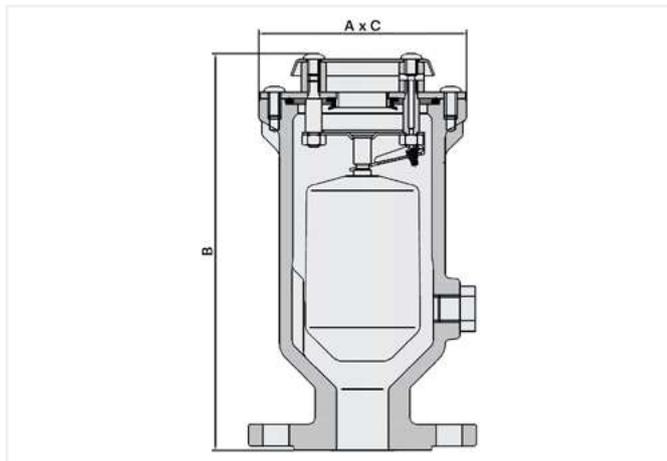


Table 3. A01–A06 Test Pressure

| 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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