

Beaver High Pressure Three-Function Air Valve

A combination automatic air valve designed for water services requiring high pressure.

A07, A08, A09





Beaver A07-A09 Air Valve

Beaver A07–A09 High Pressure Three-Function Air Valve

The Beaver A07–A09 Combination Air Valve performs a combination of functions and is specifically designed for high pressure services.

The valve works in three ways. First, it exhausts air that accumulates during the filling process. It also allows air in during emptying to prevent vacuum in the pipe. Finally, it expels air pockets that form when the valve is pressurised.

Beaver High Pressure Combination Air Valves are 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 PN40, PN64, or PN100.
- Has a big orifice for maximum 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.

A07–A09

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Tables 1–2. A07–A09 Specifications

Technical Specifications		Material Specifications	
Brand	Beaver	Body and cover	Ductile iron EN GJS-500 in PN40 Carbon steel A216-WCB for PN64/PN100
Model	A07 (PN 40) A08 (PN 64) A09 (PN 100)	Float ball and internal mechanisms	Stainless steel A304 Optional A316
Size range	DN25–300 (1–12")	Seat	Stainless steel A304 with NBR/EPDM
Pressure class	PN40 PN64 PN100	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. A07–A09 Cross Section

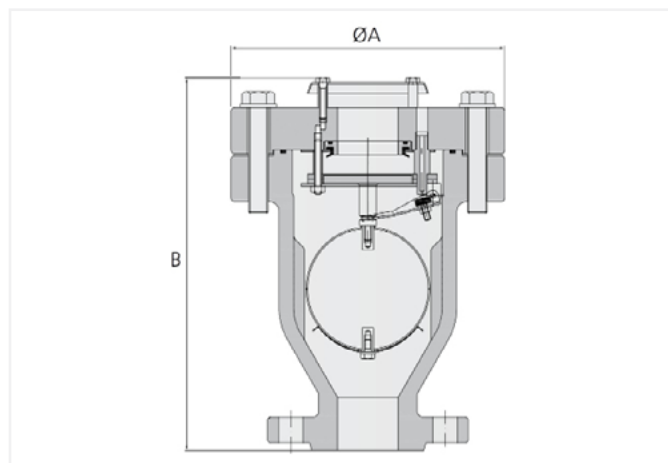


Table 3. A07–A09 Test Pressure

Test Pressure		
Nominal pressure	Body	Seat
PN40	60 bar	44 bar
PN64	96 bar	71 bar
PN100	150 bar	110 bar

Table 4. A07–A09 Dimensions

Product Dimensions									
Size	DN25	DN50	DN65	DN80	DN100	DN150	DN200	DN250	DN300
Connection	Threaded F.	Flanged	Flanged	Flanged	Flanged	Flanged	Flanged	Flanged	Flanged
A (mm)	134	225	225	282	300	437	517	626	670
B (mm)	185	350	350	370	395	632	795	920	1000
Weight (kg)	15	47	51	65	75	172	228	350	470

Table 5. A07–A09 Aeration Capabilities

Automatic Drain/Standard Orifice (mm)							
Size	DN25	DN50	DN65	DN80	DN100	DN150	DN200
PN40	1.0	1.5	2.0	2.0	3.5	5.0	8.0
PN64	1.0	1.5	2.0	2.0	3.5	5.0	8.0
PN100	0.75	1.0	1.5	2.0	3.5	4.0	6.0



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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