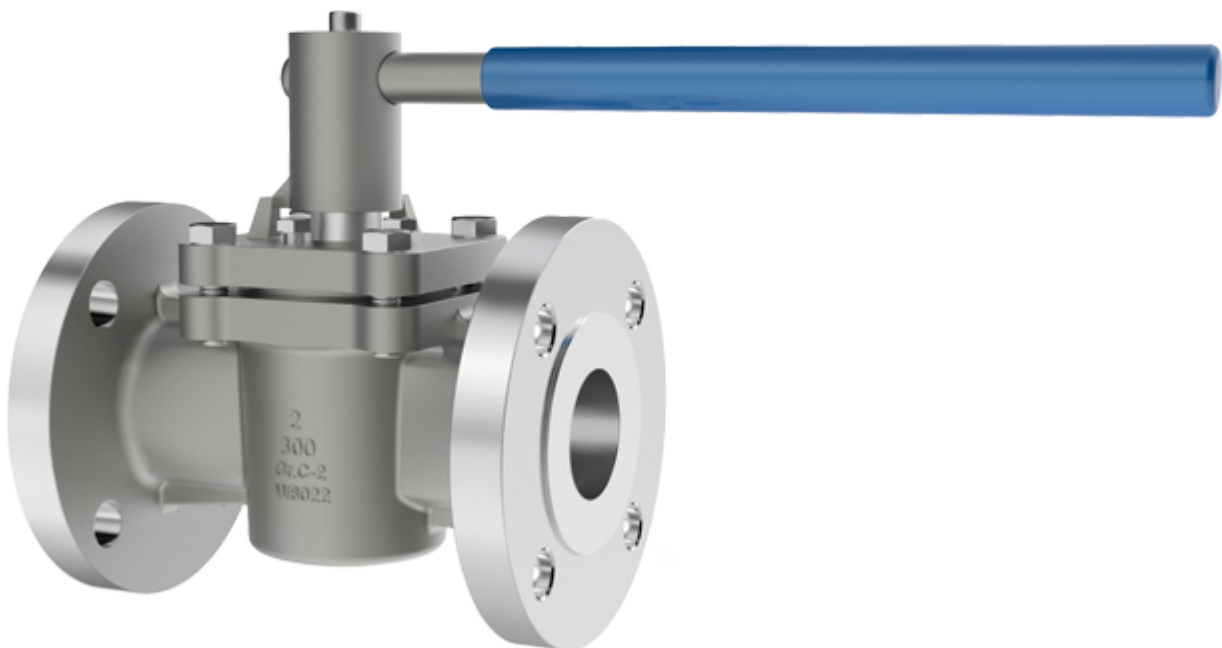


Beaver Sleeved Bolted Bonnet Flanged Plug Valve

A bidirectional, soft-sealing quarter-turn valve suited for corrosive fluids or slurry applications.

P01, P02



Beaver P01–P02 Sleeved Bolted Bonnet Flanged Plug Valve

This Beaver plug valve is a compact design that provides bubble-tight shut-off in severe service applications. It's designed for both isolation and throttling service.

The valve has a tapered plug that rotates a quarter-turn to open or close the valve. As the plug rotates, the 360° port lips provide a self-cleaning action to remove scale or sticking media. The valve also has no cavities where process fluid may accumulate or get trapped.

The valve has a threefold stem seal system—a primary sleeve seal, gasket seal, and tertiary packing seal—to ensure no leakage of the process fluid. A PTFE sleeve surrounds the plug to provide a tight seal. It is self-lubricating, reducing costly lubrication and maintenance. The Beaver Sleeved Bolted Bonnet Flanged Plug Valve is available in two pressure classes (Class 150 and 300) and a range of sizes to suit your requirements.



Beaver P01 Plug Valve

KEY FEATURES

- PTFE sleeve fully covers the plug, providing a large and secure sealing surface, regardless of the valve's position.
- Plug requires low torque to operate and allows for vertical adjustment.
- Adjusting bolts allow for in-line maintenance, which reduces downtime and increases service life.
- One-piece body is firesafe and anti-static to further prevent external leakage or dangerous sparks.
- Bolted bonnet design optimises sealing.



Beaver P02 Plug Valve

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

P01-P02

Sleeved Bolted Bonnet Flanged Plug Valve

Tables 1-2. P01-P02 Specifications

Technical Specifications		Material Specifications	
Brand	Beaver	Body, plug	A494 CW12MW
Model	P01 (Class 150) P02 (Class 300)	Sleeve, seals gasket	PTFE
Size range	DN15-350 (½-14")	Safety gasket	A240 316
Pressure class	Class 150/300	Wedge gasket	Graphite
End connections	Flanged	Adjusting gasket	A276 316
Actuator options	Lever operated Gear operated	Bonnet, handle cover, handle lever	A351 CF8
		Hexagon stud, hexagon bolt	A193 B8

Diagram 1. P01-P02 Parts

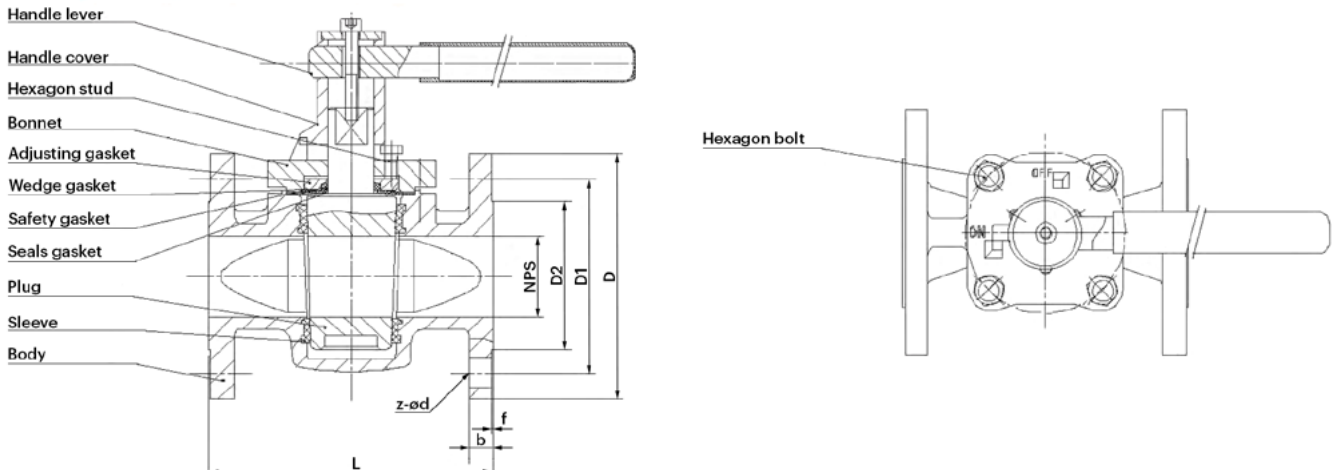


Table 3. P01 Class 150 Dimensions

	Product Dimensions (mm)											
Size	15	20	25	40	50	80	100	150	200	250	300	350
L	108	117	127	165	178	203	229	267	292	330	356	381
D	89	98	108	127	152	190	229	279	343	406	483	533
D1	60.5	70	79.5	98.5	120.5	152.5	190.5	241.5	298.5	362	432	476
D2	35	43	51	73	92	127	157	216	270	324	381	413
b	12	12	12	15	16	19	24	26	29	31	32	35
f	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
z-d	4-15	4-15	4-15	4-15	4-19	4-19	8-19	8-22	8-22	12-25	12-25	12-25

Table 4. P02 Class 300 Dimensions

	Product Dimensions (mm)											
Size	15	20	25	40	50	80	100	150	200	250	300	350
L	140	152	165	190	216	283	305	403	419	457	502	762
D	95	117	124	156	165	210	254	318	381	444	521	514.5
D1	66.5	82.5	89	114.5	127	168	200	270	330	387.5	451	514.5
D2	35	43	51	73	92	127	157	216	270	324	381	413
b	15	16	18	21	22	29	32	27	41	48	51	54
f	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
z-d	4-15	4-19	4-19	4-22	8-19	8-22	8-25	12-29	12-32	16-35	20-35	20-38



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.

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