

Style BV10

Ball Valve

Carbon Steel (AISI 1017)

NPT Ends



Unibody High Pressure Ball Valve

APPLICATIONS

Industrial and Oil/Gas applications where the safety of Unibody construction is desired, flow rate requirements are low to moderate and operating pressures are 2000 PSIG or lower.

CONSTRUCTION

Keckley Style BV10 AISI 1017 Barstock Unibody ball valves offer economical high pressure performance, and are NACE MR0175 compliant. They are machined to exacting specifications. Unibody construction eliminates the possibility of the tailpiece unthreading, leaking or “blowing out” in service. All valves are shell and seat tested in accordance with API 598.

FEATURES

- Unibody Construction
- Live-Loaded Stem Packing Design
- Double-Reduced Port on All Sizes
- All Models are NACE MR0175 Compliant
- Reinforced TFM (PTFE) Seats
- Standard Locking Handles

ORDERING

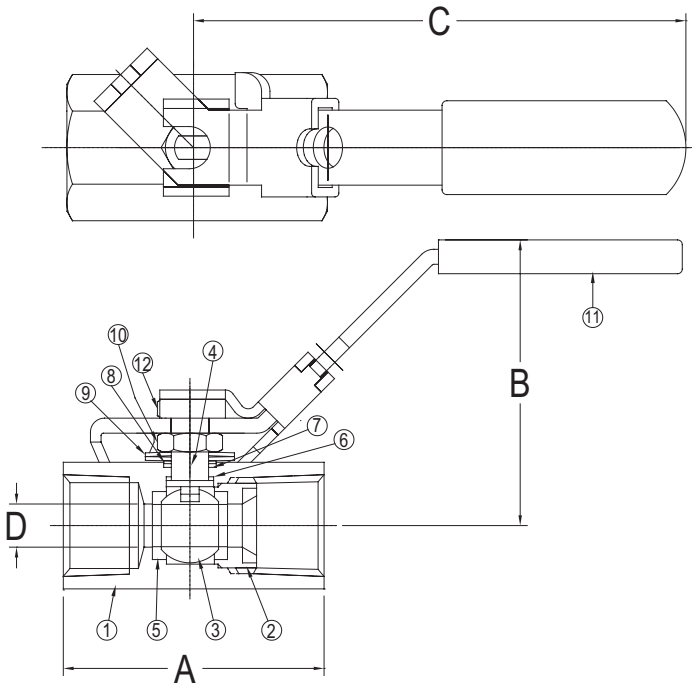
Reference *How to Order BV10 Ball Valves* for building the Keckley Product Number.

WORKING PRESSURES - NON SHOCK

MATERIAL	MEDIA	¼" to 2"	8 mm to 50 mm
AISI 1017	W.O.G.	2000 PSI @ 100°F	13789 KPa @ 38°C
	Saturated Steam (WSP)	200 PSI @ 388°F	1379 KPa @ 93°C

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PARTS LIST

ITEM	DESCRIPTION	MATERIAL
1	Body	AISI 1017 CS
2	Spacer	AISI 1017 CS
3	Ball	A 276 Gr. 316
4	Stem	A 276 Gr. 316
5	Seats (2)	R-PTFE
6	Stem Seal	R-PTFE
7	Stem Packing	R-PTFE
8	Packing Gland	304SS
9	Belleville Washer (2)	Plated CS
10	Packing Nut	Plated CS
11	Handle	Plated CS
12	Handle Nut	Plated CS

SIZE		DIMENSIONS				Flow Coefficients	Max Torque	WEIGHTS
in	mm	A in	B in	C in	D in	C _v	in/lb	lbs
1/4	8	2.22	2.37	4.17	0.35	4.0	60	0.7
3/8	10	2.22	2.37	4.17	0.35	4.0	60	0.7
1/2	15	2.22	2.37	4.17	0.35	4.0	60	0.7
3/4	20	2.63	2.50	4.17	0.47	8.0	75	1.0
1	25	3.15	2.89	5.83	0.62	14.0	150	1.6
1-1/4	32	3.62	3.08	5.83	0.81	19.0	180	2.3
1-1/2	40	4.00	3.26	7.01	1.00	33.0	300	3.3
2	50	4.50	3.52	7.24	1.25	51.0	400	4.7

Certified dimensional drawings are available upon request.

PRESSURE vs. TEMPERATURE CHART

R-PTFE SEATS

