

Style BV12

Ball Valve

Carbon Steel (ASTM A 216, Grade WCB)

Stainless Steel (ASTM A 351, Grade CF8M)

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 BV12 Unibody high pressure ball valves are constructed from investment cast ASTM grade materials that 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

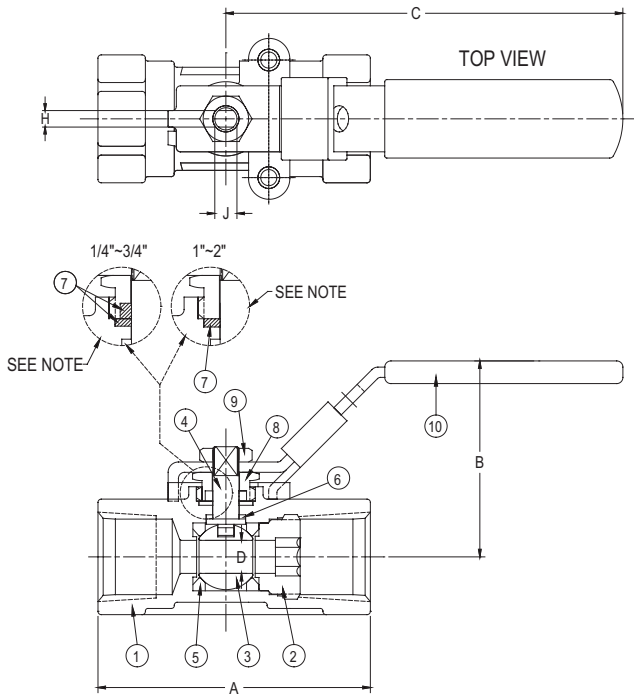
- Unibody Construction
- API 607 6th Edition Fire-Safe
- Double-Reduced Port on All Sizes
- All Models are NACE MR0175 Compliant
- Reinforced TFM (PTFE) Seats
- Standard Locking Handles
- Electrically Grounded Stem
- Optional Oval Handles

ORDERING

Reference *How to Order BV12 Ball Valves* for building the Keckley Product Number.

WORKING PRESSURES - NON SHOCK

MATERIAL	MEDIA	¼" to 2"	8 mm to 50 mm
A 216, WCB	W.O.G.	2000 PSI @ 100°F	13789 KPa @ 38°C
	Saturated Steam (WSP)	250 PSI @ 406°F	1724 KPa @ 208°C
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PARTS LIST			
ITEM	DESCRIPTION	MATERIAL	
1	Body	A 216 Gr. WCB	A 351 Gr. CF8M
2	Spacer	A 216 Gr. WCB	A 351 Gr. CF8M
3	Ball	A 276 Gr. 316	A 276 Gr. 316
4	Stem	A 276 Gr. 316	A 276 Gr. 316
5	Seats (2)	R-PTFE	R-PTFE
6	Stem Seal	R-PTFE	R-PTFE
7	Stem Packing*	Graphite	Graphite
8	Packing Gland	A 276 Gr. 316	A 276 Gr. 316
9	Lock Nut	Carbon Steel	304SS
10	Handle	Carbon Steel	304SS

* Note: 1/4" - 3/4" Qty. 2pcs, 1" - 2" Qty. 1pc.

SIZE		DIMENSIONS						Flow Coefficients	Max Torque	WEIGHTS
		A	B	C	D	H	J			
in	mm	in	in	in	in	in	in	C _v	in/lb	lbs
1/4	8	2.28	1.91	4.29	0.31	0.16	0.25	4.0	60	0.7
3/8	10	2.28	1.91	4.29	0.31	0.16	0.25	4.0	60	0.7
1/2	15	2.60	1.91	4.29	0.31	0.16	0.25	4.0	60	0.7
3/4	20	2.83	2.17	4.29	0.47	0.20	0.31	8.0	75	1.0
1	25	3.23	2.57	5.83	0.62	0.28	0.44	14.0	150	1.6
1-1/4	32	3.54	2.72	5.83	0.81	0.28	0.44	19.0	180	2.3
1-1/2	40	3.86	3.46	7.36	1.00	0.35	0.56	33.0	300	3.3
2	50	4.33	3.64	7.36	1.25	0.35	0.56	51.0	400	4.7

Certified dimensional drawings are available upon request.

PRESSURE vs. TEMPERATURE CHART

R-PTFE SEATS

