

MODEL BV835

Grooved End Ball Valve with Lever Handle and Gear Operator

The Model BV835 is a ductile iron, grooved end, regular port, two-piece ball valve that provides for efficient control of fluid in piping systems. The Model BV835 is designed and tested in conformance with MSS SP-110 and MSS SP-72. Flow may be from either direction, and the valves may be positioned in any orientation. The valves are furnished with grooved ends for use with Gruvlok grooved couplings. The handle is provided with a device for padlocking in either the open or closed position. The mounting pad is made to ISO 5211 to allow for mounting of power actuators.



MAXIMUM WORKING PRESSURE:

1,000 psi (68.9 bar) 2" – 3" (50 – 80mm)
800 psi (55.1 bar) 4" – 6" (100 – 150mm)

MATERIAL SPECIFICATIONS

BODY: Ductile iron conforming to ASTM A536, Gr. 65-45-12

BODY COATING: Black enamel

BODY SEAL: PTFE

BALL: Type 304 Stainless Steel

BALL SEAT: 2" – 4" – Glass-filled TFE, 6" – Carbon-filled TFE

STEM: Carbon steel, nickle-plated, Optional: Type 304 Stainless Steel

STEM O-RING: Fluoroelastomer

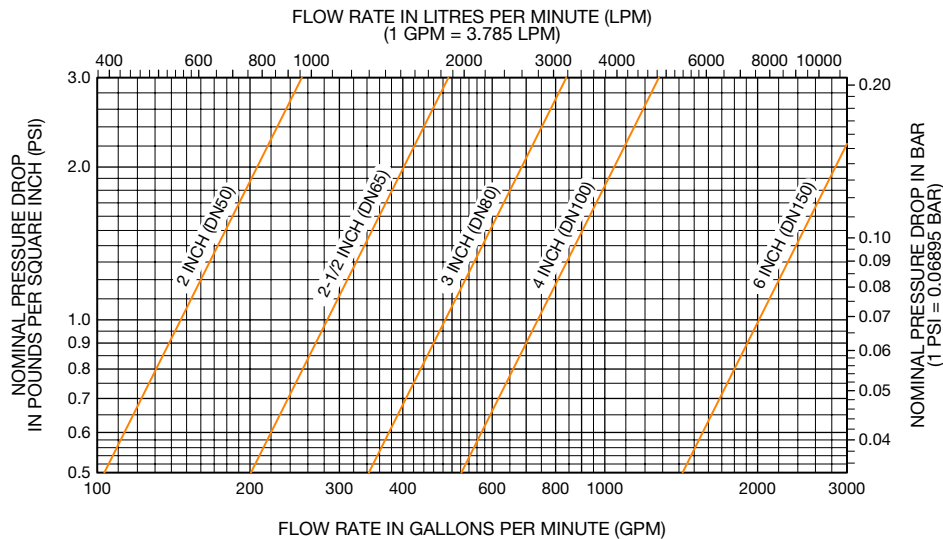
STEM SEAL: PTFE

LEVER HANDLE:

- 2" – 3" (50 – 80mm): Carbon Steel, Zinc Plated with PVC Plastic
- 4" – 6" (100 – 150mm): Ductile Iron and Carbon Steel

BRACKET & EXTENSION SLEEVE: Ductile Iron conforming to ASTM A536, Grade 65-45-12 and/or ASTM A395, Grade 65-45-15

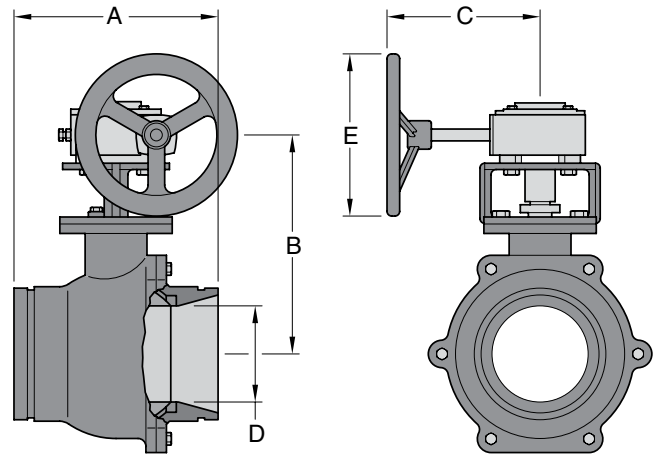
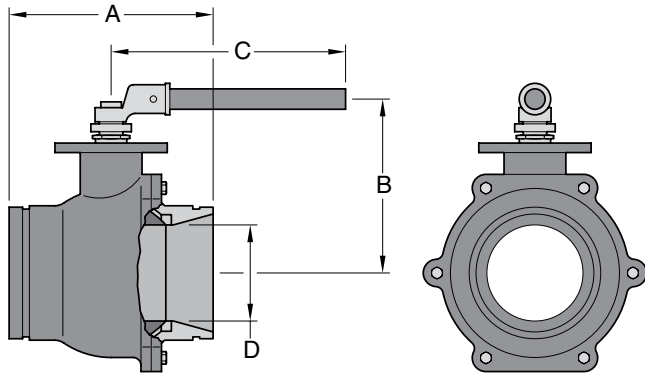
MODEL BV835 BALL VALVE NOMINAL PRESSURE LOSS VS FLOW



PROJECT INFORMATION		APPROVAL STAMP
Project:		☐ Approved
Address:		☐ Approved as noted
Contractor:		☐ Not approved
Engineer:		Remarks:
Submittal Date:		
Notes 1:		
Notes 2:		

MODEL BV835

Grooved End Ball Valve with Lever Handle and Gear Operator



BV835 BALL VALVE WITH LEVER HANDLE

Valve Size	O.D.	Dimensions				Approx. Wt. Ea.
		A	B	C	D	
In./mm	In./mm	In./mm	In./mm	In./mm	In./mm	Lbs./Kg
2	2.375	5.50	3.75	7.00	1.50	6.4
50	60.3	140.0	95.0	178.0	38.1	2.9
2½	2.875	6.25	5.20	10.43	2.00	10.6
65	73.0	159.0	132.0	265.0	51.0	4.8
3	3.500	6.56	5.63	10.43	2.50	13.4
80	88.9	167.0	143.0	265.0	63.5	6.1
4	4.500	9.45	5.35	23.60	3.50	60.0
100	114.3	240.0	135.8	600.0	90.0	27.2
6	6.625	10.15	8.68	23.60	4.92	79.2
150	168.3	258.0	220.5	600.0	125.0	36.0

For the first opening or closing of the valve when the valve is not continuously operated, an additional torque of 2.0 – 2.5 times the listed operating torque is normally required.
For information on larger sizes, contact an Anvil Sales Representative.

BV835 BALL VALVE WITH GEAR OPERATOR

Valve Size	O.D.	Dimensions					Approx. Wt. Ea.
		A	B	C	D	E	
In./mm	In./mm	In./mm	In./mm	In./mm	In./mm	In./mm	Lbs./Kg
2	2.375	5.50	5.38	8.00	1.50	6.00	18.0
50	60.3	140.0	137.0	203.2	38.1	152.4	8.0
2½	2.875	6.25	5.68	8.00	2.00	6.00	22.0
65	73.0	159.0	144.2	203.2	51.0	152.4	10.0
3	3.500	6.56	7.16	8.00	2.50	6.00	31.0
80	88.9	167.0	182.0	203.2	63.5	152.4	14.0
4	4.500	9.45	8.00	8.00	3.50	6.00	73.0
100	114.3	240.0	203.2	203.2	90.0	152.4	33.0
6	6.625	10.15	10.89	14.00	4.92	12.00	123.4
150	168.3	258.0	277.0	356.0	125.0	305.0	56.0

For information on larger sizes, contact an Anvil Sales Representative.

MODEL BV835 BALL VALVE PRESSURE PERFORMANCE

