



## Two-Piece Stainless Steel Ball Valves - Series BV2M

FULL PORT, 1000 PSI (69 BAR)

**End Connections:** Female NPT  
**Pressure Limits:** 1000 PSI (69 bar) WOG, 150 PSI (10.3 bar) SWP  
**Wetted Materials:** Body, ball, end cap: CF8M SS; stem: 316 SS; seat, thrust washer: RTFE; end gasket, stem packing: PTFE  
**Temperature Limits:** -20 to 450°F (-29 to 232°C)



Model No.	Mfg. No.	Size"	Price/Each
THZ590	BV2M100	1/4	
THZ591	BV2M101	3/8	
THZ592	BV2M102	1/2	
THZ593	BV2M103	3/4	
THZ594	BV2M104	1	
THZ595	BV2M105	1 1/4	
THZ596	BV2M106	1 1/2	
THZ597	BV2M107	2	
THZ598	BV2M108	2 1/2	
THZ599	BV2M109	3	



## Mini Brass Ball Valves

**Service:** Gases and liquids compatible with wetted materials. Not rated for steam use.

**Wetted Materials:** Valve body: nickel plated brass  
 Valve ball: chrome-plated brass  
 O-ring stem seal: Fluoroelastomer  
 Ball seats: PTFE

**Temperature Limits:** MV4: -4 to 200°F (-20 to 93.3°C)  
 MV5: -4 to 250°F (-20 to 121°C)

**Connections:** NPT, see model chart



FEMALE X FEMALE				MALE X FEMALE			
Pipe Size"	Cv Value	Model No.	Mfg. No.	Price /Each	Model No.	Mfg. No.	Price /Each
<b>LEVER HANDLE - 200 PSI (CWP) MAXIMUM PRESSURE</b>							
1/8	5.3	THZ638	MVB-LF1		THZ654	MVB-LM1	
1/4	6.6	THZ639	MVB-LF2		THZ655	MVB-LM2	
3/8	6.6	THZ640	MVB-LF3		THZ656	MVB-LM3	
1/2	11	THZ641	MVB-LF4		THZ657	MVB-LM4	
<b>TEE HANDLE - 200 PSI (CWP) MAXIMUM PRESSURE</b>							
1/8	5.3	THZ642	MVB-TF1		THZ658	MVB-TM1	
1/4	6.6	THZ643	MVB-TF2		THZ659	MVB-TM2	
3/8	6.6	THZ644	MVB-TF3		THZ660	MVB-TM3	
1/2	11	THZ645	MVB-TF4		THZ661	MVB-TM4	
<b>WEDGE HANDLE - 450 PSI (CWP) MAXIMUM PRESSURE</b>							
1/8	5.3	THZ646	MVB-WF1		THZ662	MVB-WM1	
1/4	6.6	THZ647	MVB-WF2		THZ663	MVB-WM2	
3/8	6.6	THZ648	MVB-WF3		THZ664	MVB-WM3	
1/2	11	THZ649	MVB-WF4		THZ665	MVB-WM4	
<b>SCREWDRIVER SLOT - 450 PSI (CWP) MAXIMUM PRESSURE</b>							
1/8	5.3	THZ650	MV5-SF1		THZ666	MV5-SM1	
1/4	6.6	THZ651	MV5-SF2		THZ667	MV5-SM2	
3/8	6.6	THZ652	MV5-SF3		THZ668	MV5-SM3	
1/2	11	THZ653	MV5-SF4		THZ669	MV5-SM4	

## Three-Piece Ball Valves - Series WE02

INVESTMENT CAST STAINLESS STEEL CONSTRUCTION, INTEGRAL ACTUATOR MOUNTING PAD

**End Connections:** Female NPT  
**Pressure Limits:** 1000 PSI (68.9 bar) WOG; 150 PSI (10.3 bar) SWP  
**Wetted Materials:** Body, ball, end cap: CF8M SS; stem: 316 SS; seat, thrust washer: RTFE; stem packing: PTFE  
**Temperature Limits:** -20 to 392°F (29 to 200°C)

Model No.	Mfg. No.	Size"	Price/Each
THZ602	WE02-CHD00	1/2	
THZ603	WE02-DHD00	3/4	
THZ605	WE02-FHD00	1 1/4	
THZ606	WE02-GHD00	1 1/2	
THZ607	WE02-HHD00	2	
THZ608	WE02-IHD00	2 1/2	P.O.A.
THZ609	WE02-JHD00	3	P.O.A.



## Two-Piece Hand Lever Brass Ball Valves - Series BV2MB

FULL PORT, ECONOMICAL, BLOWOUT-PROOF STEM

**Body:** Two-Piece  
**End Connections:** 1/4" to 3" female NPT  
**Pressure Limits:** 1/4" to 1": 600 PSI (41.4 bar), 1 1/4" to 2": 400 PSI (27.6 bar), 2 1/2 to 3": 200 PSI (13.8 bar) WOG  
**Wetted Materials:** Body and body cap: forged brass (ASTM B283-C37700); ball and stem: brass; seat and packing Teflon®  
**Temperature Limits:** 10 to 200°F (-12 to 93°C)  
**Other Materials:** Body seal: rubber; handle: plated steel; nut and gasket: brass



Model No.	Mfg. No.	Size"	Cv	Price/Each
THZ610	BV2MB00	1/4	7.5	
THZ611	BV2MB01	3/8	7.5	
THZ612	BV2MB02	1/2	16	
THZ613	BV2MB03	3/4	43	
THZ614	BV2MB04	1	58	
THZ615	BV2MB05	1 1/4	105	
THZ616	BV2MB06	1 1/2	160	
THZ617	BV2MB07	2	325	
THZ618	BV2MB08	2 1/2	475	
THZ619	BV2MB09	3	780	

## Butterfly Valves - Series BFV

LOW COST, LEVER OPERATED, LUG OR WAFER PATTERN, 225 PSI

**Service:** Compatible liquids, gases, and steam  
**Line Size:** 2" to 12"  
**Body Style:** 2-way, wafer or lug butterfly  
**End Connections:** Flange, to be used with flanges that are ANSI Class 125 (B16.1) and ANSI Class 150 (B16.5) dimensions  
**Pressure Limits:** 225 PSI (151.5 bar) WOG



**Wetted Materials:** Body: Ductile iron  
 Disc: 316 SS  
 Seat and O-ring: EPDM or PTFE  
 Stem: 410 SS  
**Temperature Limits:** EPDM: -50 to 250°F (-46 to 121°C).  
 PTFE: 0 to 300°F (-18 to 149°C)  
 Nylonon  
**Bearings:**  
**Flow Rate:** See Cv chart  
**Operator:** 2 to 6": 10-position locking hand lever. 8 to 12": manual gear

### CV VALUES

Size	Degree Opening									Full Open
	10°	20°	30°	40°	50°	60°	70°	80°	90°	
2	0.1	5	12	24	45	64	90	125	135	
2 1/2	0.2	8	20	37	65	98	144	204	220	
3	0.3	12	22	39	70	116	183	275	302	
4	0.5	17	36	78	139	230	364	546	600	
5	0.8	29	61	133	237	392	620	930	1022	
6	2	45	95	205	366	605	958	1437	1579	
8	3	89	188	408	727	1202	1903	2854	3136	
10	4	151	320	694	1237	2047	3240	4859	5340	
12	5	234	495	1072	1911	3162	5005	7505	8250	

Model No.	Mfg. No.	Size"	Type	Liner	Price /Each
THZ620	BFV202WFB311HLO	2	Wafer	EPDM	
THZ621	BFV202WFB341HLO	2	Wafer	PTFE	
THZ622	BFV202LTB311HLO	2	Lug	EPDM	
THZ623	BFV202LTB341HLO	2	Lug	PTFE	
THZ624	BFV225WFB311HLO	2 1/2	Wafer	EPDM	
THZ625	BFV225WFB341HLO	2 1/2	Wafer	PTFE	
THZ626	BFV225LTB311HLO	2 1/2	Lug	EPDM	
THZ627	BFV225LTB341HLO	2 1/2	Lug	PTFE	
THZ628	BFV203WFB311HLO	3	Wafer	EPDM	
THZ629	BFV203WFB341HLO	3	Wafer	PTFE	
THZ630	BFV203LTB311HLO	3	Lug	EPDM	
THZ631	BFV203LTB341HLO	3	Lug	PTFE	
THZ632	BFV204WFB311HLO	4	Wafer	EPDM	
THZ633	BFV204WFB341HLO	4	Wafer	PTFE	
THZ634	BFV204LTB311HLO	4	Lug	EPDM	
THZ635	BFV204LTB341HLO	4	Lug	PTFE	
THZ636	BFV205WFB311HLO	5	Wafer	EPDM	
THZ637	BFV205WFB341HLO	5	Wafer	PTFE	