

# AIR TOOLS & ACCESSORIES



## 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: chrome 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)  
**Bearings:** Nylatron  
**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  |             |