
SERIES DM7000/DM8000
DIRECT MOUNT
3-PIECE FULL PORT BALL VALVES

DM7000 Stainless Steel | DM8000 Carbon Steel

½" - 2" (15mm - 50mm) | 1,000 psi WOG

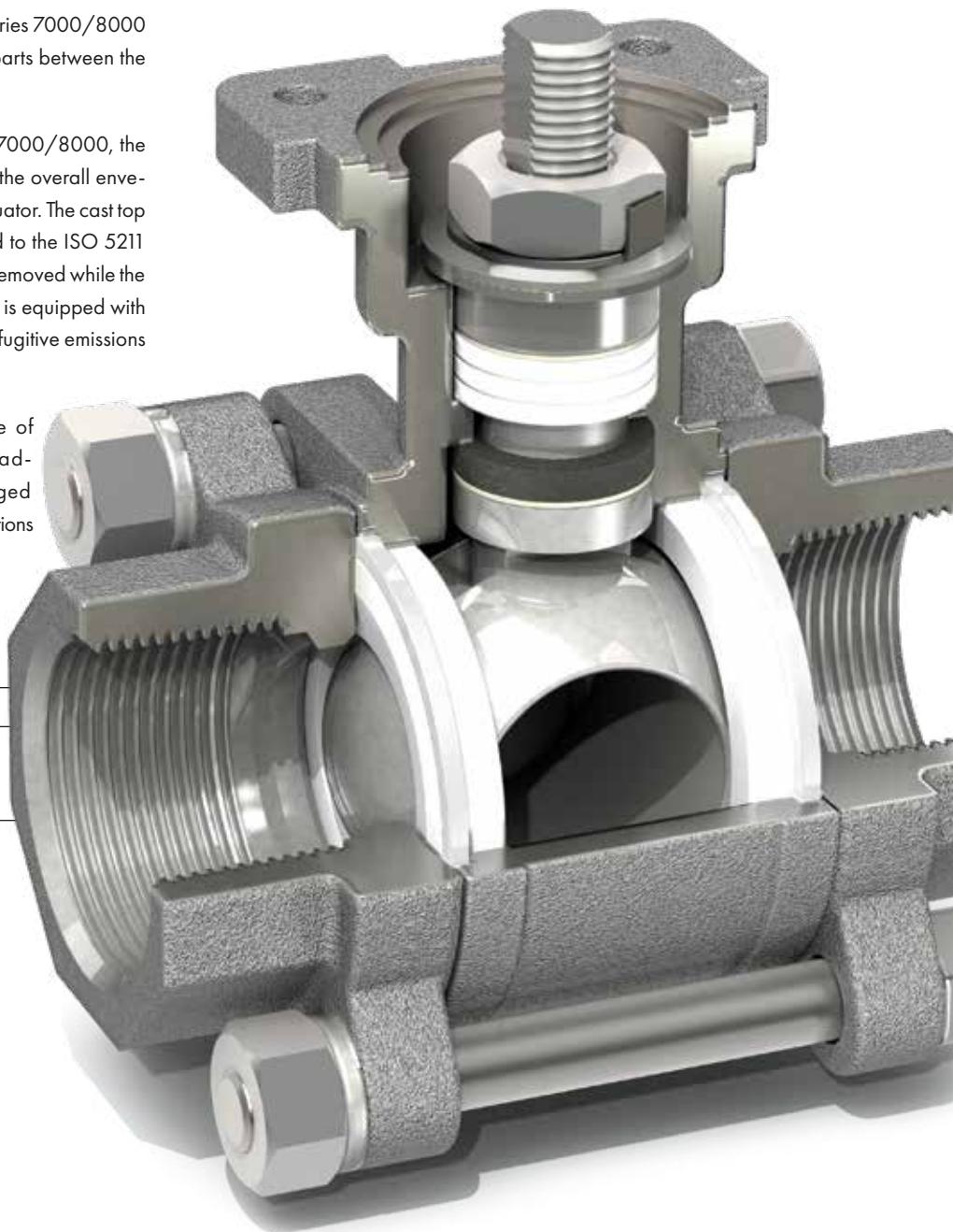


DM7000/DM8000 DIRECT MOUNT SERIES BALL VALVES

The Series DM7000/DM8000 design is based on the series 7000/8000 with extensive interchangeability of the majority of the parts between the two series.

In addition to all the features and options of the Series 7000/8000, the direct mount valve design reduces the number of parts, the overall envelope dimensions and hysteresis between the ball and actuator. The cast top flange ensures direct actuator mounting and is designed to the ISO 5211 standard. Actuation equipment can be easily and safely removed while the valve is under full line pressure. The integrated extension is equipped with a 1/8" NPT threaded vent hole for pressure relief or for fugitive emissions monitoring while in service.

Direct Mount valves are offered with the full range of interchangeable end connections including threaded, socket weld, butt weld, ASME Class 150 flanged and extended weld in place. These are the same end connections found in the standard 7000/8000 valves.

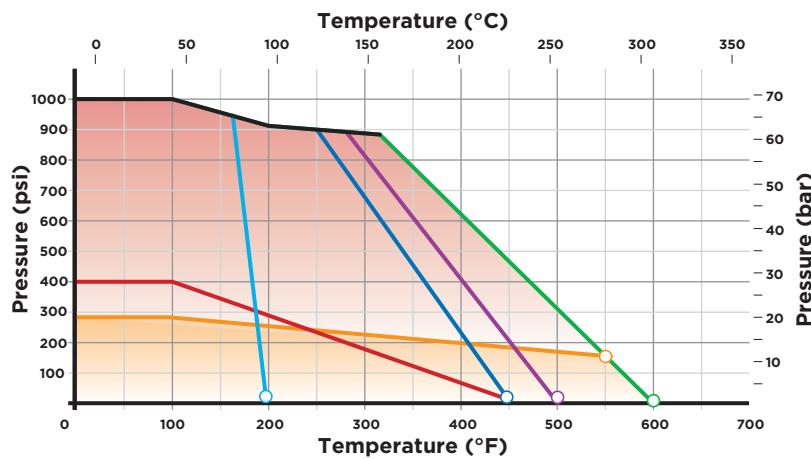


Body 3 Piece

Full Port 1/2" – 2" (15mm - 50mm)

Materials Stainless Steel CF8M*,
Carbon Steel WCB
& Special Alloys

Pressure Ratings 1000 WOG



- 1/4" - 4" Valves: UHMWPE
- 1/4" - 4" Valves: RPTFE/TFM
- 1/4" - 4": 50/50 SS Filled TFE
- 1/4" - 4" Valves: Tek-Fil
- 6"-12" Butt Weld Valves: RPTFE
- ASME Class 150 Flanged

NOTE:

Series 8000 carbon steel valves are limited to -20°F.
Series 7000 stainless steel valves are limited to -50°F.

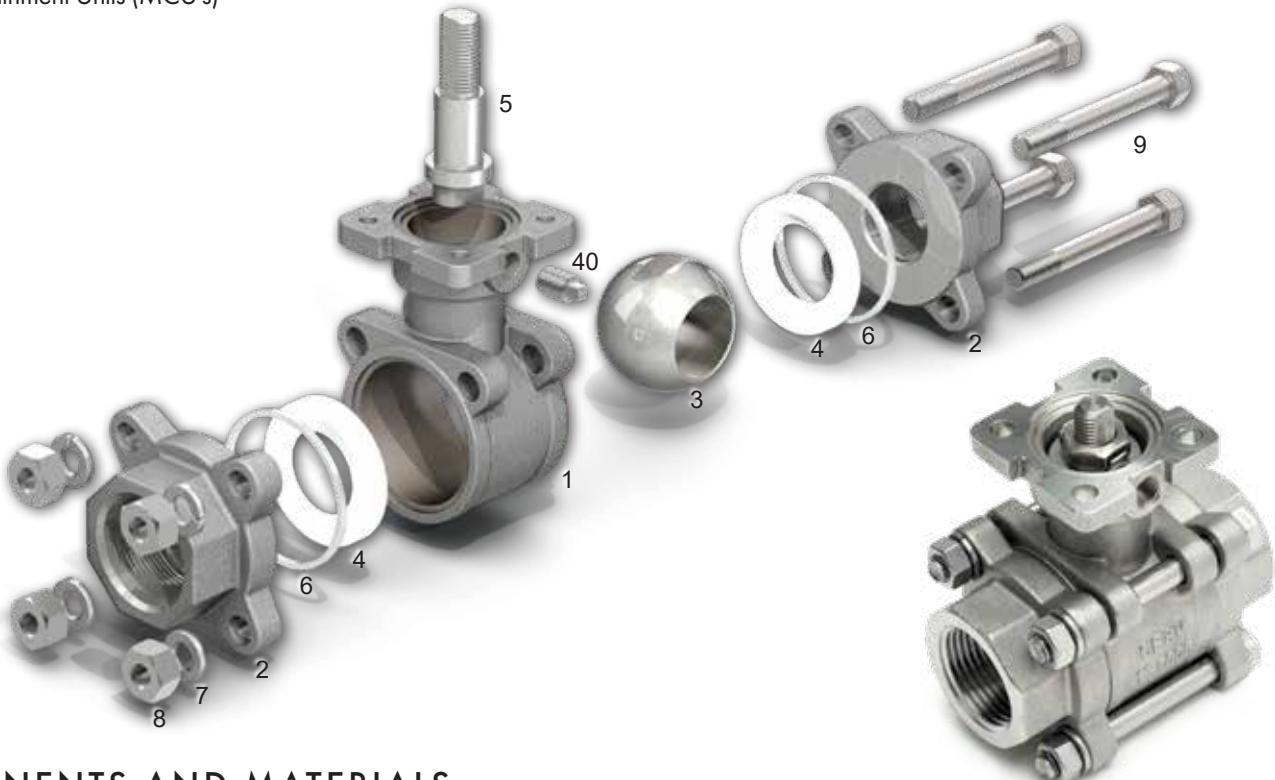
SPECIAL OPTIONS/SERVICES

- Cavity Fillers
- Deadman Handles
- V Port Balls
- Vented Balls
- Chlorine Service
- Polished Internals
- Special Cleaning
- Silicone Free
- Media Containment Units (MCU's)



AVAILABLE END CAP CONNECTIONS

- Threaded End
- Socket Weld End
- Extended Socket Weld End
- Butt Weld End (Schedule 40)
- Extended Butt Weld End (Schedule 40)
- Flanged End (ASME Class 150)



COMPONENTS AND MATERIALS

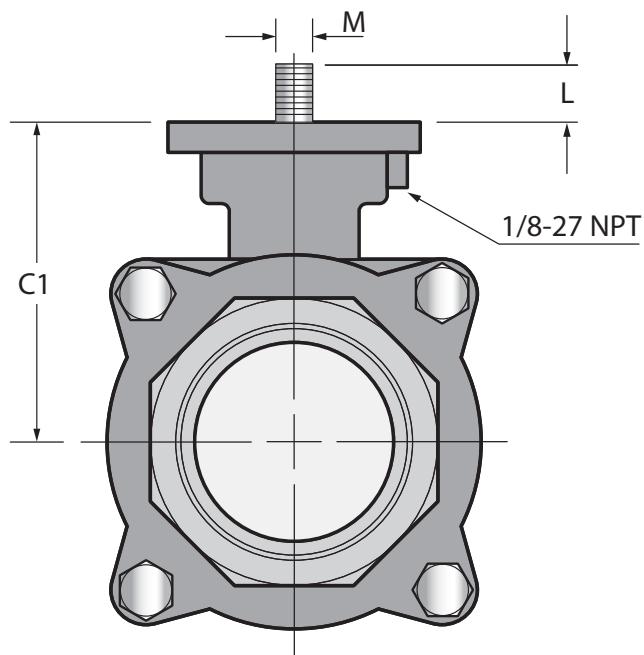
| ITEM/NAME | STAINLESS STEEL | CARBON STEEL | QTY. |
|--------------------|--------------------|------------------|------|
| 1 Body | ASTM A351 Gr CF8M | ASTM A216 Gr WCB | 1 |
| 2 End Cap* | ASTM A351 Gr CF8M* | ASTM A216 Gr WCB | 2 |
| 3 Ball | SS316 | | 1 |
| 4 Seat | 15% RPTFE | | 2 • |
| 5 Stem | ASTM A479 Type 316 | | 1 |
| 6 Body Seal | TFM | | 2 • |
| 7 Spring Washer | SS304 | | 4 |
| 8 Body Nut | SS304 | | 4 |
| 9 Body Bolt / Stud | SS304 | | 4 |

* Weld Ends use CF3M

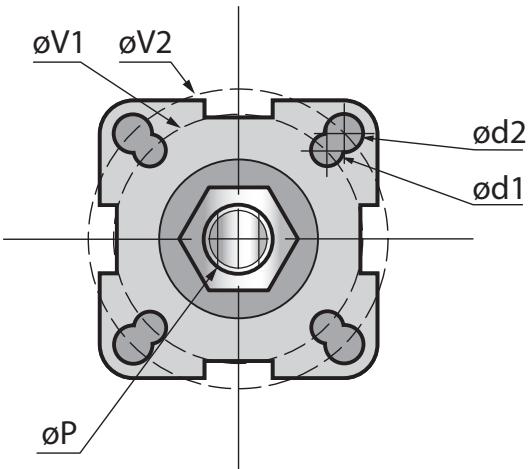
| ITEM/NAME | STAINLESS STEEL | CARBON STEEL | QTY. |
|--------------------------------------|-----------------|--------------|------|
| 10 Anti-Static Device (not shown) | | SS316 | 2 |
| 11 Packing/Thrust Washer Protector | | PEEK | 2 • |
| 12 Thrust Washer | | TEK-FIL® | 1 • |
| 14 Stem Packing | 15% RPTFE | | 3 • |
| 15 Packing Gland Sleeve | SS304 | | 1 |
| 18 Belleville Washer | SS301 | | 2 |
| 19 Tab Lock Washer | SS304 | | 1 |
| 26 Stem Nut | SS304 | | 1 |
| 40 Plug (optional) | SS304 | | 1 |

• Recommended spare parts that are available as a packaged repair kit

SERIES DM7000 & DM8000 DIMENSIONS 1/2" – 2" VALVES (15mm - 50mm)



For further dimensional data and flow coefficients refer to the Series 7000/8000 literature available at www.Bray.com.



DIMENSIONS – Models DM7000 (SS) / DM8000 (CS)

| SIZE | C1 | M | L | øP | ød1 | øV1 | ød2 | øV2 | Weight |
|--------------|-----------|-------|------|------|------|------|------|------|--------|
| 1/2 | 1.92 | 0.25 | 0.26 | 0.37 | 0.22 | 1.65 | 0.28 | 1.97 | 1.62 |
| 3/4 | 1.99 | 0.25 | 0.26 | 0.37 | 0.22 | 1.65 | 0.28 | 1.97 | 2.20 |
| 1 | 2.41 | 0.31 | 0.40 | 0.43 | – | – | 0.28 | 1.97 | 3.00 |
| 1 1/4 | 2.56 | 0.31 | 0.38 | 0.43 | – | – | 0.28 | 1.97 | 4.70 |
| 1 1/2 | 3.04 | 0.37 | 0.43 | 0.62 | – | – | 0.35 | 2.76 | 7.20 |
| 2 | 3.38 | 0.37 | 0.43 | 0.62 | – | – | 0.35 | 2.76 | 10.1 |
| INCHES | 15 | 48.85 | 6.3 | 6.7 | 9.3 | 5.5 | 42 | 7 | 0.734 |
| | 20 | 50.55 | 6.3 | 6.7 | 9.3 | 5.5 | 42 | 7 | 1 |
| | 25 | 61.1 | 8 | 10.1 | 10.9 | – | – | 7 | 1.342 |
| | 32 | 65.1 | 8 | 9.6 | 10.9 | – | – | 7 | 2.13 |
| | 40 | 77.2 | 9.5 | 11 | 15.7 | – | – | 9 | 3.275 |
| | 50 | 85.95 | 9.5 | 11 | 15.7 | – | – | 9 | 4.975 |
| MILLIMETERS | 15 | 1239 | 16 | 17 | 23 | 14 | 11 | 18 | 18.5 |
| | 20 | 1283 | 16 | 17 | 23 | 14 | 11 | 18 | 20 |
| | 25 | 1542 | 20 | 25 | 28 | 18 | 18 | 22 | 25 |
| | 32 | 1654 | 20 | 25 | 32 | 18 | 18 | 22 | 32 |
| | 40 | 1891 | 20 | 25 | 40 | 18 | 18 | 22 | 40 |
| | 50 | 2070 | 20 | 25 | 50 | 18 | 18 | 22 | 50 |

SPECIFICATIONS

Valve Sizes 1/2" through 2" (15mm - 50mm)

Design meets MSS-SP-110.

Threaded End Connections meet

ASME B1.20.1 NPT.

Socket Weld End Connections meet

ASME B16.11.

Butt Weld End (sch 40) Connections meet

MSS SP-72 /ASME B16.25.

Flanged End Connections meet

ASME Class 150.

Valve body and end cap connections are high quality investment cast and solution annealed/normalized. Body and end cap wall thickness meets ASME B16.34.

Valve stems are blow-out proof for maximum safety and meet ASME B16.34 specification.

All valves are factory tested to MSS SP-72 and API 598.

CERTIFICATION

PE(S)R UKCA S.I. 2016:1105

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