



Bronze Ball Valve For Potable Water

Two-Piece • Standard-Port

Blow-Out Proof Stem

600 PSIG WOG

Threaded Ends

UP8501/8503 1/4" - 2"



WQA tested and Certified against WQA ORD0902 for California "lead free" compliance.

Dimensions and workmanship conform to MSS SP-110
Designed in accordance with the requirements of California AB 1953 and Vermont S 152

MATERIALS LIST

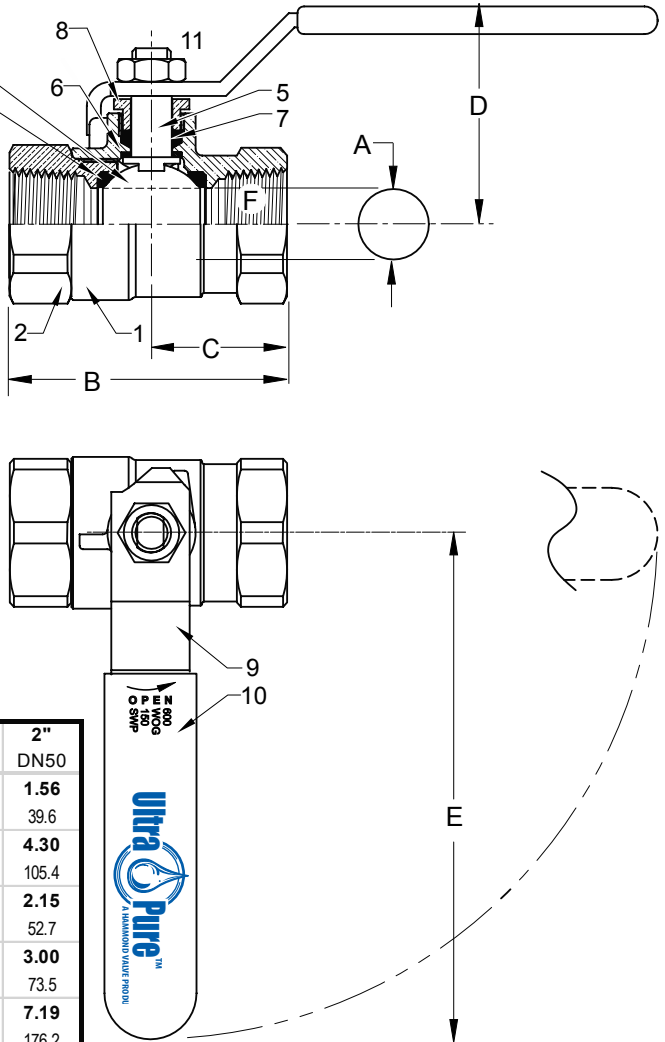
| ITEM | PART | MATERIALS | ASTM SPEC. |
|------|---------------|------------------------------|-------------|
| 1 | Body | Cast Bronze | B584 C89833 |
| 2 | Tailpiece | Brass | B283 C69300 |
| | | Cast Bronze (1" & up) | B584 C89833 |
| 3 | Ball | Brass w/ Hard Chrome Plating | B283 C69300 |
| | | 316 Stainless Steel (1) | A276 |
| 4 | Seat | RPTFE, 15% Glass Filled | |
| 5 | Stem | Brass | UNS C89833 |
| | | 316 Stainless Steel (1) | A276 |
| 6 | Thrust Washer | RPTFE, 25% Glass Filled | |
| 7 | Packing | PTFE | |
| 8 | Packing Nut | Brass | B16 |
| 9 | Handle | Steel w/ Zinc Plating | B633 |
| 10 | Hand Grip | Vinyl | |
| 11 | Handle Nut | Steel w/ Zinc Plating | B633 |

(1) Ball and stem are stainless for UP8503.

DIMENSIONS

| A (DIA) | UNITS | 1/4" | 3/8" | 1/2" | 3/4" | 1" | 1-1/4" | 1-1/2" | 2" |
|---------|-------------|----------|----------|----------|----------|--------|------------|------------|--------|
| | | DN6 | DN10 | DN15 | DN20 | DN25 | DN32 | DN40 | DN50 |
| A | INCHES | 0.38 | 0.38 | 0.50 | 0.76 | 0.88 | 1.06 | 1.31 | 1.56 |
| | mm | 9.7 | 9.7 | 12.7 | 19.3 | 22.4 | 26.9 | 33.3 | 39.6 |
| B | INCHES | 1.86 | 1.86 | 2.19 | 2.64 | 3.17 | 3.50 | 3.96 | 4.30 |
| | mm | 45.6 | 45.6 | 53.7 | 64.7 | 77.7 | 85.8 | 97.0 | 105.4 |
| C | INCHES | 1.00 | 1.00 | 1.10 | 1.30 | 1.58 | 1.74 | 1.97 | 2.15 |
| | mm | 24.5 | 24.5 | 27.0 | 31.9 | 38.7 | 42.6 | 48.3 | 52.7 |
| D | INCHES | 1.78 | 1.81 | 1.91 | 2.08 | 2.25 | 2.66 | 2.84 | 3.00 |
| | mm | 43.6 | 44.3 | 46.8 | 51.0 | 55.1 | 65.2 | 69.6 | 73.5 |
| E | INCHES | 3.81 | 3.81 | 3.81 | 4.56 | 4.56 | 6.31 | 6.31 | 7.19 |
| | mm | 93.3 | 93.3 | 93.3 | 111.7 | 111.7 | 154.6 | 154.6 | 176.2 |
| F | THREAD SIZE | 1/4" NPT | 3/8" NPT | 1/2" NPT | 3/4" NPT | 1" NPT | 1-1/4" NPT | 1-1/2" NPT | 2" NPT |
| | Cv | 7 | 7 | 13 | 30 | 38 | 61 | 87 | 121 |

Note: DN (Diameter Nominal) = Metric equivalent size.



Rev. 7

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Note: Lead free refers to the wetted surface of the pipe, fittings and fixtures in potable water systems that have a weighted average lead content $\leq 0.25\%$. Source: California Health and Safety Code (116875).

The information presented on this sheet is correct at the time of publication. Hammond Valve reserves the right to change design, and/or material specifications without notice. For the Installation, Operation and Maintenance Manual (IOM) see the engineering section on our website. For the most current information access www.hammondvalve.com

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