

SUBMITTAL SHEET

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|-------------------|-------------|
| JOB NAME | ITEM TAG |
| JOB LOCATION | PART NUMBER |
| CONTRACTOR | DATE |
| ENGINEER APPROVAL | DATE |

FULL PORT BALL VALVE

T/S-2000

Durable forged brass body.
Bottom-loaded, blowout-proof, gland-follower stem design.
Positive-seal stem features dual-seal PTFE packing and EPDM rubber O-ring.
Complete certifications compliance.
Available in female pipe threaded sizes 1/4" to 4" and female sweat tubing sizes 1/2" to 4"

Working Pressure, Non-Shock (PSI)

Cold Water, Oil, Gas: 1/4" to 2" 600 CWP
2-1/2" to 4" 400 CWP
Saturated Steam: All sizes 150 psi



- Conforms to MSS SP-110
- UPC/IAPMO tested and certified to ANSI/NSF Standard 61-8
- CSA Certified for use with natural, manufactured, mixed, liquid petroleum, and LP gas/air mixtures:
 - ANSI Standard Z21.15 for use as gas appliance connector valve for 1/2-lb systems (1/4" to 2")
 - CSA Certified for use in 2 or 5 lb house piping systems (1/4" to 4")
- Factory Mutual approved for fire protection service (Threaded: 1/4" to 2" Sweat: 1/2" to 2")
- Manufactured in an ISO 9002 accredited facility
- End connections comply with ANSI/ASME B1.20.1 and ASME B16.18
- UL Listed 3LZW for LP, natural and manufactured gases to 250 psi maximum:
 - YQNZ.MH45831 Compressed gas shutoff valves
 - YRBX.MH45831 Flammable liquid shutoff valves.
 - YRPV.MH45831 Gas shutoff valves
 - YSDT.MH45831 LP gas shutoff valves
 - MHKZ.MH45831 Manual valves



MATERIAL SPECIFICATION

| PART | MATERIAL | SPECIFICATION |
|----------------|----------------------------|-----------------------------|
| 1 Handle nut | Zinc plated steel | ASME SA6, SA283 Grade C |
| 2 Lever handle | Zinc plated steel | ASME SA6, SA283 Grade C |
| 3 Packing nut | Forged brass | ASTM B455 UNS C38500 |
| 4 Stem packing | PTFE | FR101 resin |
| 5 Stem O-ring | EPDM rubber | Commercial grade |
| 6 Stem | Forged brass | ASTM B16 UNS C36000 |
| 7 Body | Forged brass | ASTM B124 / 124M UNS C37700 |
| 8 Seats (2) | PTFE | FR101 resin |
| 9 Ball | Chrome plated forged brass | ASTM B455 UNS C38500 |
| 10 End adapter | Forged brass | ASTM B124 / 124M UNS C37700 |

DIMENSIONS

| Size | A (IPS) | A (Cx C) | B | C | D |
|--------|---------|----------|------|------|------|
| 1/4" | 1.73 | | 1.42 | 0.39 | 3.19 |
| 3/8" | 1.73 | | 1.42 | 0.39 | 3.19 |
| 1/2" | 2.17 | 2.05 | 1.66 | 0.57 | 3.74 |
| 3/4" | 2.46 | 2.76 | 1.90 | 0.75 | 3.74 |
| 1" | 2.95 | 3.33 | 2.30 | 0.98 | 4.33 |
| 1-1/4" | 3.39 | 3.86 | 2.70 | 1.26 | 5.12 |
| 1-1/2" | 3.78 | 4.45 | 2.91 | 1.54 | 5.12 |
| 2" | 4.33 | 5.47 | 3.48 | 1.95 | 6.34 |
| 2-1/2" | 5.55 | 6.46 | 4.65 | 2.50 | 9.45 |
| 3" | 6.38 | 7.52 | 5.02 | 3.03 | 9.45 |
| 4" | 7.54 | 9.49 | 5.93 | 3.94 | 9.45 |

