

## SUBMITTAL SHEET

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



### FULL PORT BALL VALVE

#### T/S -1002, T-1002ST, T-1002LD and T-1002STLD

Durable forged brass body  
Bottom-loaded, Teflon\* isolated, blowout-proof stem  
Teflon\* seats and stem packing  
Adjustable gland follower stem design

#### T/S-1002:

Available in female pipe threaded sizes: 1/4" to 3"  
female sweat tubing sizes: 3/8" to 3"

#### T-1002ST:

Stainless steel ball and stem are stronger than forged brass; An ideal feature for heavy-use, frequent-operation applications

Available in female pipe threaded sizes: 1/2" to 2"

#### T-1002LD:

Latch-lock handle with 0.30" diameter hole, accepts padlocks or lockout tongs (not included).

Lockable in the full-open or full-closed positions

Available in female pipe threaded sizes: 1/4" to 2"

#### T-1002STLD:

Includes all of the features listed above

Available in female pipe threaded sizes: 1/2" to 2"

- Meets Federal Specification WW-V-35C
- Conforms to MSS SP-110
- Models T- and S-1002 only: Truesdail Labs tested and certified to ANSI / NSF 61-8
- Factory Mutual approved for fire protection service (1/2" to 2")
- Threaded ends comply with ANSI / ASME B1.20.1
- Sweat tubing ends comply with ANSI / ASME B16.18
- Manufactured in an ISO 9002 accredited facility
- CSA Certified for use with

- natural, manufactured or mixed liquid petroleum and LP gas/air mixtures:
  - ANSI Standard Z21.15 for use as gas appliance connector valve for 1/2-lb. systems (1/2" to 2")
  - CSA Certified 3-88 for use in 2 or 5 lb house piping systems (1/2" to 2")
  - ANSI / ASME B16.33 for use in gas piping systems up to 125 PSIG (1/2" to 2")
- UL Listed 2J73 for LP, natural and manufactured gases; flammable liquids; No. 6 oil at 250 degrees F (1/2" to 2")

| MATERIAL SPECIFICATION |   |                                  |
|------------------------|---|----------------------------------|
| PART                   | MATERIAL  | SPECIFICATION                    |
| 1 Handle nut           | Steel   | AISI 1010                        |
| 2 Handle               | Steel   | ASTM A283 Class D                |
| 3 Packing nut          | Forged brass  | ASTM B16 UNS C36000              |
| 4 Stem packing         | PTFE  | DuPont Teflon*                   |
| 5 Stem                 | Forged brass<br>316 Stainless steel**               | ASTM B16 UNS C36000<br>AISI 316  |
| 6 Body                 | Forged brass  | ASTM B124 UNS C37700             |
| 7 Seats (2)            | PTFE  | DuPont Teflon*                   |
| 8 Ball                 | Chrome plated forged brass<br>316 Stainless steel** | ASTM B124 UNS C37700<br>AISI 316 |
| 9 End adapter          | Forged brass  | ASTM B124 UNS C37700             |
| 10 Latch lock***       | Steel   | ASTM A283 Class D                |
| 11 Lockplate***        | Steel   | ASTM A283 Class D                |

\* Teflon is a registered trademark of DuPont

\*\* These components are present on the T-1002ST and T-1002STLD models only

\*\*\* These components are present on the T-1002LD and T-1002STLD models only

| DIMENSIONS |         |         |      |      |      |        |
|------------|---------|---------|------|------|------|--------|
| Size       | A (IPS) | A (CXC) | B    | C    | D    | CV*    |
| 1/4"       | 1.81    |         | 1.46 | 0.39 | 3.31 | 6.50   |
| 3/8"       | 1.81    | 1.62    | 1.46 | 0.39 | 3.31 | 6.50   |
| 1/2"       | 2.17    | 1.93    | 1.54 | 0.50 | 3.31 | 10.00  |
| 3/4"       | 2.52    | 2.76    | 1.97 | 0.79 | 4.65 | 26.00  |
| 1"         | 2.99    | 3.31    | 2.13 | 0.98 | 4.65 | 48.00  |
| 1-1/4"     | 3.43    | 3.78    | 2.60 | 1.26 | 5.28 | 70.00  |
| 1-1/2"     | 3.66    | 4.30    | 2.76 | 1.50 | 5.28 | 105.00 |
| 2"         | 4.33    | 5.32    | 3.46 | 1.97 | 7.88 | 200.00 |
| 2-1/2"     | 5.16    | 6.22    | 3.86 | 2.50 | 7.87 | 380.00 |
| 3"         | 5.91    | 7.17    | 4.17 | 3.00 | 7.87 | 520.00 |

\*The Cv Factor is the gallons of water per minute passed through the valve with a 1 psi pressure drop.

#### Working Pressure, Non-Shock (PSI)

Cold working pressure (CWP): 600

Saturated steam (WSP): 150

