

|                      |                         |
|----------------------|-------------------------|
| <b>JOB NAME:</b>     | <b>CONTRACTOR:</b>      |
| <b>JOB LOCATION:</b> | <b>APPROVAL:</b>        |
| <b>ENGINEER:</b>     | <b>CONTRACTOR P.O.:</b> |
| <b>APPROVAL:</b>     | <b>REPRESENTATIVE:</b>  |

# 600LL

**FULL PORT 2-WAY, 2-PIECE CARBON STEEL  
WITH NPT ENDS AND LOCKING HANDLE  
1/4" TO 2"**

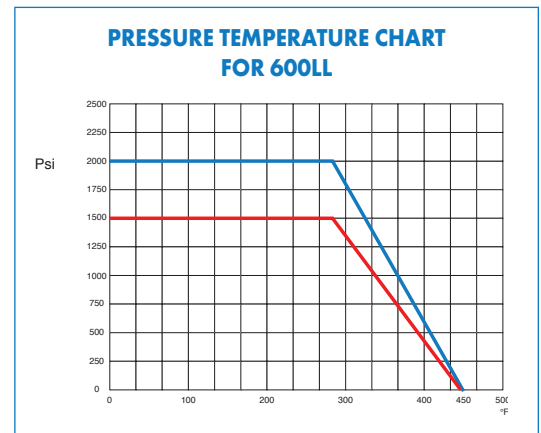
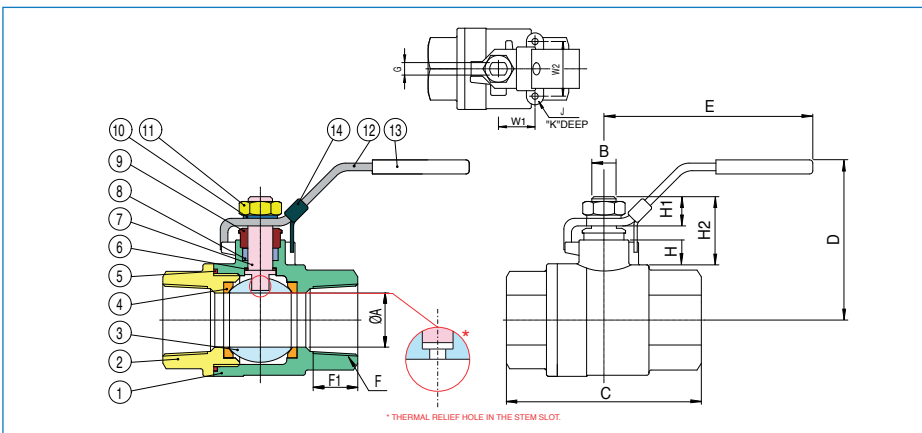
## VALVE FEATURES

- Full port sizes 1/4" to 2"
- Self adjusting stem packing
- Blow out proof stem design
- 100% air tested under water at 80 psi
- Working pressure is 2000 psi (1/4" to 1"), 1500 psi (1-1/4" to 2") - 150 steam
- Temperature range: -4°F to 450°F
- Mounting pad for actuator
- ANSI B1.20.1 connections

## SPECIFICATIONS

A Two Piece, Full Port, A216-WCB Carbon Steel Ball Valve with a 316 Stainless Steel Ball and Stem, Rated for 2000 Psi (1/4" to 1"), 1500 Psi (1-1/4" to 2"). The Valve shall have RTFE Seats.

A Latch Locking Style Device shall be Standard So that the Valve can be Locked in either the Open or Closed Position. A Drilled and Tapped Mounting Pad shall be Standard so the Valve is Capable of Accepting Actuator Mounting.



| N POS | PART NAME      | MATERIAL | N PCS |
|-------|----------------|----------|-------|
| 1     | BODY           | WCB      | 1     |
| 2     | END CAP        | WCB      | 1     |
| 3     | BALL           | SS 316   | 1     |
| 4     | SEAT           | R.T.F.E. | 2     |
| 5     | JOINT GASKET   | P.T.F.E. | 1     |
| 6     | THRUST WASHER  | P.T.F.E. | 1     |
| 7     | STEM           | SS 316   | 1     |
| 8     | V-RING PACKING | P.T.F.E. | 1     |
| 9     | GLAND BUSH     | STEEL    | 1     |
| 10    | STEM WASHER    | STEEL    | 1     |
| 11    | STEM NUT       | STEEL    | 1     |
| 12    | HANDLE         | STEEL    | 1     |
| 13    | HANDLE SLEEVE  | VINYL    | 1     |
| 14    | LOCKING DEVICE | SS 304   | 1     |

| SIZE   | ØA   | B    | C    | D    | E    | F    | G    | H1   | H2   | H3   | J          | K    | W1   | W2   | Cv  | Break Torque | Weight Lbs. |
|--------|------|------|------|------|------|------|------|------|------|------|------------|------|------|------|-----|--------------|-------------|
| 1/4"   | 0.45 | 0.31 | 2.16 | 1.96 | 3.93 | 0.59 | 0.19 | 0.31 | 0.38 | 0.87 | 10-24 UNC  | 0.23 | 0.50 | 1.12 | 8   | 46           | 0.51        |
| 3/8"   | 0.49 | 0.31 | 2.16 | 1.96 | 3.93 | 0.59 | 0.19 | 0.31 | 0.38 | 0.87 | 10-24 UNC  | 0.23 | 0.50 | 1.12 | 10  | 46           | 0.51        |
| 1/2"   | 0.59 | 0.37 | 2.55 | 2.36 | 5.11 | 0.62 | 0.25 | 0.41 | 0.43 | 1.00 | 10-24 UNC  | 0.19 | 0.50 | 1.12 | 15  | 58           | 0.83        |
| 3/4"   | 0.78 | 0.37 | 2.93 | 2.51 | 5.11 | 0.66 | 0.25 | 0.41 | 0.43 | 1.00 | 10-24 UNC  | 0.27 | 0.88 | 1.37 | 34  | 81           | 1.14        |
| 1"     | 0.98 | 0.43 | 3.46 | 2.79 | 6.49 | 0.94 | 0.31 | 0.45 | 0.53 | 1.24 | 10-24 UNC  | 0.27 | 0.92 | 1.37 | 56  | 138          | 2.02        |
| 1-1/4" | 1.25 | 0.43 | 4.01 | 3.07 | 6.49 | 0.86 | 0.31 | 0.45 | 0.53 | 1.24 | 1/4-20 UNC | 0.27 | 1.00 | 1.50 | 85  | 173          | 2.70        |
| 1-1/2" | 1.49 | 0.55 | 4.33 | 3.38 | 7.48 | 0.88 | 0.38 | 0.47 | 0.61 | 1.38 | 1/4-20 UNC | 0.27 | 1.00 | 1.50 | 125 | 253          | 4.18        |
| 2"     | 1.96 | 0.55 | 4.92 | 3.74 | 7.48 | 1.02 | 0.38 | 0.47 | 0.61 | 1.38 | 1/4-20 UNC | 0.27 | 1.00 | 1.50 | 250 | 323          | 6.86        |