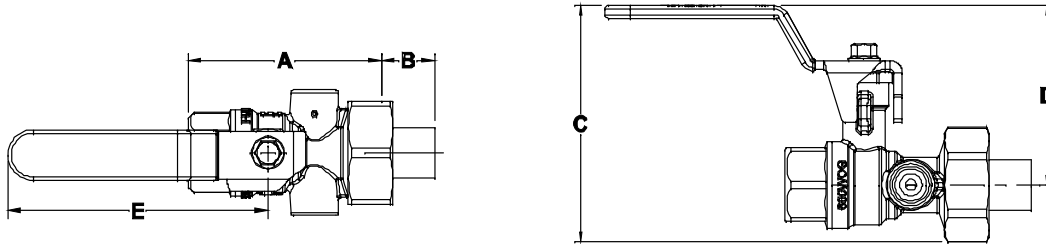


SPECIFICATIONS



PSI/Temperature Rating: 600 WOG 400 PSI / 250°F
Body Material: Forged Brass ASTM B283-06
End Connections: Brass – NPT, Sweat or QuickPress¹
Ball Valve Seals: Teflon
Union Seal: EPDM O-ring
Body Tappings²: (2) Bosses for CPTAs and Drain Valve
Ball Valve: Nickel-plated brass ball, full port
 Optional: Stainless steel ball
Field Repairable Stem: Dual Teflon seals and EPDM O-ring
Assembly: Valve comes fully assembled.
Options: Combination P/T Test Valve and Manual Air Vent (CPTA), Drain Valve, Extension Option



DIMENSIONS & WEIGHTS (NOMINAL)

All dimensions are for planning purposes only and may change without notice.

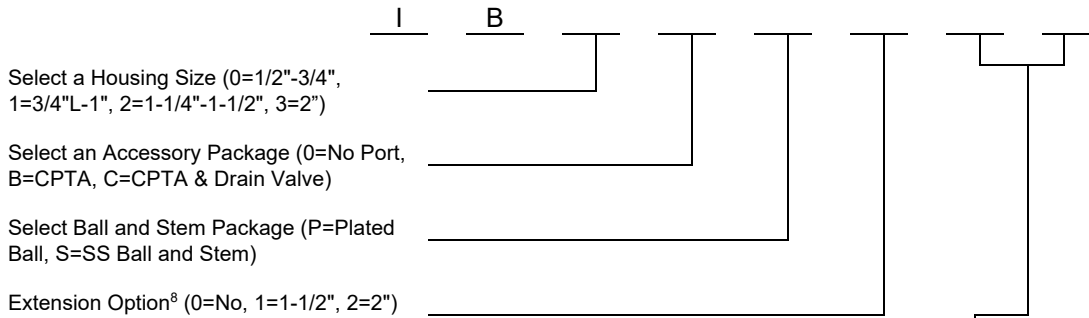
| SIZE | A - FIXED END CONNECTION | | B - UNION END CONNECTION ³ | | | | | | C | D ⁴ | E | Cv ⁵ | WEIGHT (LBS.) | |
|--------|--------------------------|-----|---------------------------------------|-----------------------|-----------------------------------|----------------|----------------------|--|------------|----------------|-----|-----------------|---------------|-----|
| | FNPT | SWT | FNPT | | MNPT | | SWT | | | | | | | |
| 1/2" | 2.6 | 2.5 | 1/2":1.0 | 3/4":N/A ⁶ | 1/2":1.0 | 3/4":1.2 | 3/8",1/2":0.8 | | 3/4":1.1 | 3.0 | 1.5 | 3.7 | 11 | 0.7 |
| 3/4" | 2.6 | 3.2 | | | | | 3/8",3/4":1.0 | | | | | | | |
| 3/4"L | 3.0 | 3.1 | 1/2",3/4":1.0 | 1":N/A ⁶ | 1/2"-3/4":1.0 | 1":1.4 | 1",1-1/4":1.7 | | 1-1/2":1.4 | 4.3 | 3.1 | 5.0 | 99 | 3.5 |
| 1" | 3.2 | 3.4 | | | | | 1",1-1/4",1-1/2":1.7 | | | | | | | |
| 1-1/4" | 3.9 | 4.1 | 1",1-1/4",1-1/2":1.7 | | 1",1-1/4",1-1/2":1.7 ⁷ | | 1",1-1/4":1.7 | | 5.3 | 4.0 | 5.5 | 260 | 6.9 | |
| 1-1/2" | 4.4 | 4.6 | 1",1-1/4",1-1/2":1.7 | | 1",1-1/4",1-1/2":1.7 ⁷ | | 1",1-1/4":1.7 | | | | | | | |
| 2" | 5.1 | 5.5 | 1-1/4",1-1/2":1.6 | 2": N/A ⁶ | 1",1-1/4":1.8 | 1-1/2", 2":1.6 | 1-1/4",2":1.6 | | 1-1/2":1.7 | | | | | |

For QuickPress connections add 3.1" (1/2"), 3.6" (3/4", 3/4"L), 4.1" (1") to the FNPT length (A) listed for a valve.

NOTES

- ¹ QuickPress is available on 1/2" to 1" valves only. Connections are compatible with popular press tools and are rated for maximum 200 PSI.
- ² Body Tappings for accessories are a leak proof metal to metal seal and do not require pipe dope or tape. Tape or dope should not be used.
- ³ For overall length, add union end connection length to body length.
- ⁴ Space Saver handle standard on 1/2"-3/4" valves. Standard handle on 1" to 3" valves and 1-1/2" extended handle in 1/2" to 3" is compatible with 1-1/2" insulation. Largest extended handle is compatible with 2" insulation.
- ⁵ Cv's are used to calculate the pressure drop. $PSID=(Flow/Cv)^2$.
- ⁶ Tailpiece is not available for this size. Male tailpiece used with coupling.
- ⁷ 1-1/4"-1-1/2" valves can also take 1/2"-3/4" MNPT tailpieces.

MODEL NUMBER SELECTION



| Valve | FIXED END OR UNION END ⁹ (No Union Tailpiece=Z) | | | UNION END ONLY ⁹ |
|-------|---|--|-------------------------------------|--|
| | Female Threaded | Female Sweat | QuickPress | Male Threaded |
| IB0 | 1/2"=E, 3/4"=F ⁶ | 3/8"=K ¹⁰ , 1/2"=L, 3/4"=M | 1/2"=2, 3/4"=3 | 1/2"=H, 3/4"=I |
| IB1 | 1/2"=E ¹⁰ , 3/4"=F, 1"=G ⁶ | 3/8"=K ¹⁰ , 1/2"=L ¹⁰ , 3/4"=M, 1"=N | 1/2"=2 ¹⁰ , 3/4"=3, 1"=1 | 1/2"=H, 3/4"=I, 1"=J |
| IB2 | 1"=G ¹⁰ , 1-1/4"=P, 1-1/2"=Q | 1"=N ¹⁰ , 1-1/4"=K, 1-1/2"=W | N/A | 1/2"=H, 3/4"=I, 1"=J, 1-1/4"=S, 1-1/2"=T |
| IB3 | 1-1/4"=P ¹⁰ , 1-1/2"=Q ¹⁰ , 2"=R ⁶ | 1-1/4"=K ¹⁰ , 1-1/2"=W ¹⁰ , 2"=Y | N/A | 1-1/4"=S, 1-1/2"=T, 2"=U |

NOTES

⁸ Extension Option includes handle cover and accessory extensions for either 1-1/2" or 2" insulation.

⁹ Select the Fixed End First and the Union End Second.

¹⁰ Fixed End not available for this size. Union tailpiece only.