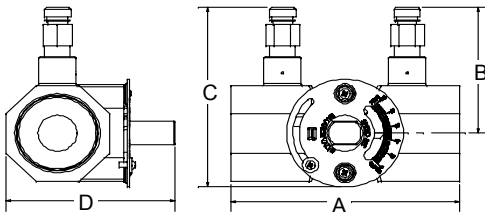


1/2" - 1"



1-1/4" - 2"

SPECIFICATIONS

- PSI/Temperature Rating:** 600 WOG (400 PSI / 250°F)
- Body Material:** Forged Brass ASTM B283-06
- End Connections:** Brass – NPT or Sweat
- Ball Valve Seals:** Teflon
- Ball Valve:** Nickel-plated brass ball, full port
- Body Tappings¹:** Combination P/T test valves and airvent
- Handle:** Memory Stop with graduated markings
- Assembly:** Valve comes fully assembled.
- Installation:** Bidirectional – 3 straight pipe diameters upstream and 1 pipe diameter downstream are required to maintain accuracy.

DIMENSIONS & WEIGHTS (NOMINAL)

| SIZE | A LENGTH | B CENTERLINE HEIGHT | C OVERALL HEIGHT | D DEPTH | WEIGHT (LBS.) |
|--------|----------|---------------------|------------------|---------|---------------|
| 1/2" | 2.9 | 2.0 | 2.9 | 2.3 | 1.0 |
| 3/4" | 3.5 | 2.1 | 3.0 | 2.3 | 1.1 |
| 1" | 4.3 | 2.2 | 3.0 | 2.8 | 1.2 |
| 1-1/4" | 4.9 | 2.4 | 3.5 | 3.3 | 2.7 |
| 1-1/2" | 5.2 | 2.5 | 3.6 | 3.5 | 3.1 |
| 2" | 6.3 | 2.8 | 4.2 | 4.1 | 4.9 |

FLOW RATES (+/-3%)

| OUTLET SIZE | MODEL NO. | FLOW GPM ⁽²⁾ AT 4 FT/SEC | Cv ⁽³⁾ | GPM RANGE FOR 5"-100" W.C. ΔP (SET W/100" GAUGE) | GPM RANGE FOR 5"-300" W.C. ΔP (SET W/300" GAUGE) |
|-------------|-----------|-------------------------------------|-------------------|--|--|
| 1/2" | SET1 | 3.8 | 1.6 | 0.7 – 3.0 | 0.7 – 5.3 |
| 3/4" | SET2 | 6.7 | 3.1 | 1.3 – 5.9 | 1.3 – 10.2 |
| 1" | SET3 | 10.8 | 8.1 | 3.4 – 15.4 | 3.4 – 26.7 |
| 1-1/4" | SET4 | 18.7 | 17.0 | 7.2 – 32.3 | 7.2 – 56.0 |
| 1-1/2" | SET5 | 25.4 | 27.0 | 11.5 – 51.3 | 11.5 – 88.9 |
| 2" | SET6 | 41.9 | 40.0 | 17.0 – 76.0 | 17.0 – 131.7 |

NOTES

¹ 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.
² The generally accepted upper limit as recommended by ASHRAE to prevent pipe noise is 4 ft/sec.
³ Cv's are used to calculate the permanent pressure drop. $PSID=(Flow/Cv)^2$. Use the Flow Curve for flow measurement.

Replaces form F-5390

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MODEL NUMBER SELECTION⁴

S E T _____

Select a Size (1=1/2", 2=3/4", 3=1", 4=1-1/4",
5=1-1/2", 6=2")

Select Fixed End Type (1=FNPT, 2=Female
Sweat, 3=Union Option⁵)

T=Optional
3"x3"
Aluminum
Hanging
I.D. Tag

| Valve | Insert Union Tailpiece for Union Option. Leave blank for FNPT or Sweat Valve. | | |
|------------------|---|------------------------------|--|
| | Female Threaded | Female Sweat | Male Threaded |
| SET1, SET2, SET3 | 1/2"=E, 3/4"=F, 1"=G ⁶ | 3/8"=K, 1/2"=L, 3/4"=M, 1"=N | 1/2"=H, 3/4"=I, 1"=J |
| SET4, SET5 | 1"=G, 1-1/4"=P, 1-1/2"=Q ⁶ | 1"=N, 1-1/4"=K, 1-1/2"=W | 1/2"=H, 3/4"=I, 1"=J, 1-1/4"=S, 1-1/2"=T |
| SET6 | 1-1/4"=P, 1-1/2"=Q, 2"=R ⁶ | 1-1/4"=K, 1-1/2"=W, 2"=Y | 1-1/4"=S, 1-1/2"=T, 2"=U |

NOTES

⁴ Model no. and flow rate are indicated on label affixed to body.
⁵ "Union Option" is a FNPT valve with a nipple and Isolator Union.
⁶ Tailpiece is not available for this size. Male tailpiece used with coupling.
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