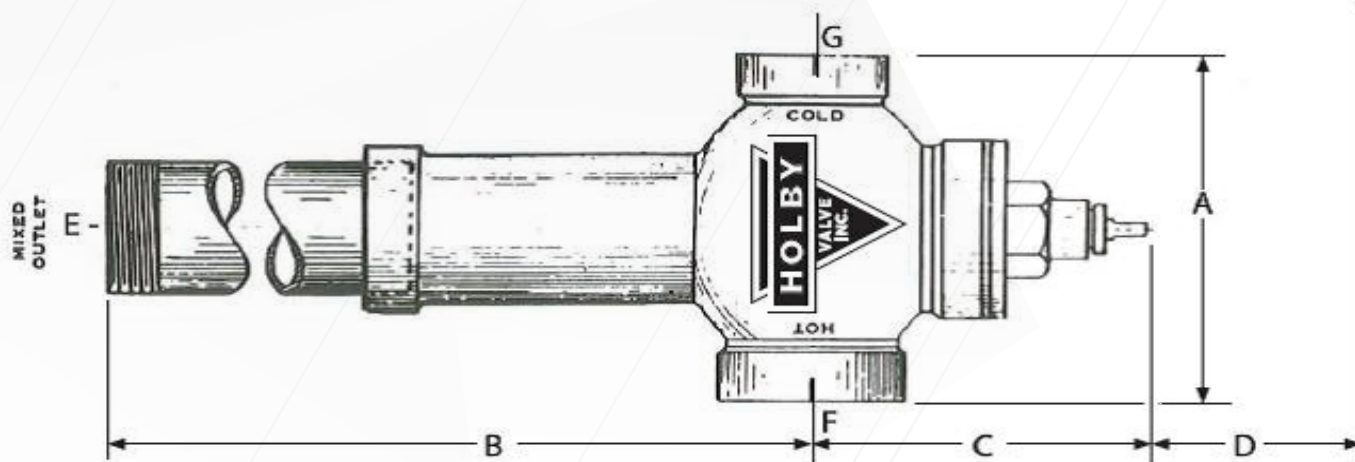




Holby Valve Dimensions



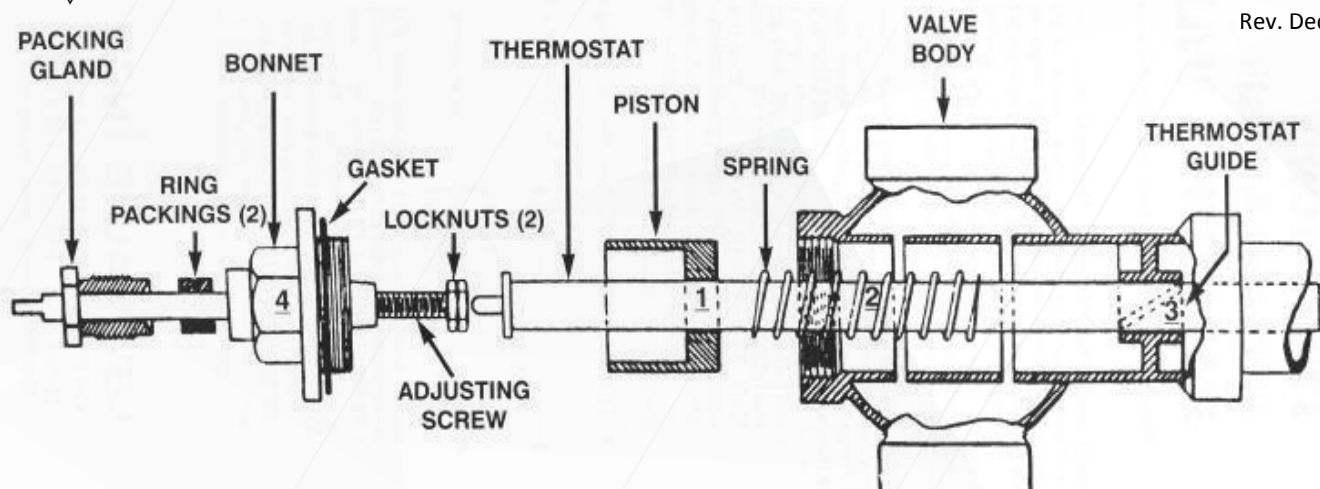
| SIZE | A | B | C | D * | STANDARD PIPE TAP | | | SHIPPING WEIGHTS |
|--------|---------|---------|--------|-----|----------------------|-------------------|--------------------|------------------|
| | | | | | E MIXED OUTLET | F HOT INLET | G COLD INLET | |
| 1/2" | 4-1/4" | 8" | 3-1/4" | 6" | 1/2" | 1/2" | 1/2" | 7 lbs. |
| 3/4" | 4-1/4" | 8" | 3-1/4" | 6" | 3/4" | 3/4" | 3/4" | 7 lbs. |
| 1" | 4-1/4" | 11-1/4" | 4-1/4" | 12" | 1" | 1" | 1" | 8 lbs. |
| 1-1/4" | 4-3/4" | 19" | 4-1/2" | 15" | 1-1/4" | 1-1/4" | 1" | 14 lbs. |
| 1-1/2" | 5-1/2" | 23" | 5" | 20" | 1-1/2" | 1-1/2" | 1-1/4" | 18 lbs. |
| 2" | 6-3/8" | 25" | 6" | 20" | 2" | 2" | 1-1/2" | 27 lbs. |
| 2-1/2" | 7-1/2" | 27-3/4" | 6-1/2" | 24" | 2-1/2" | 2-1/2" | 2" | 42 lbs. |
| 3" | 9" | 29-1/8" | 7" | 24" | 3" | 3" | 2-1/2" | 63 lbs. |
| 4" | 10-1/4" | 31" | 8" | 24" | 4" | 4" | 4" | 97 lbs. |

* Note: "D" is clearance required for adjusting and servicing



Holby Valve Exploded Parts View and Part Numbers

Rev. Dec 2012



| THERMOSTAT | | | | | | | | | |
|-----------------|--------------|------|--------|--------|-------|--------|--------|--------------------------------|---------------------|
| VALVE SIZE * | ** LENGTH | | BONNET | GASKET | SCREW | PISTON | SPRING | COMPLETE BONNET & GASKET | ALL PARTS KIT |
| 1/2" | 7-1/4" | T050 | B050 | G050 | AS050 | P050 | S050 | CBA050 | APK050 |
| 3/4" | 7-1/4" | T050 | B050 | G050 | AS050 | P050 | S050 | CBA050 | APK050 |
| 1" | 11" | T100 | B050 | G050 | AS050 | P050 | S050 | CBA050 | APK100 |
| 1-1/4" | 18" | T125 | B125 | G125 | AS125 | P125 | S125 | CBA125 | APK125 |
| 1-1/2" | 23" | T150 | B150 | G050 | AS150 | P150 | S125 | CBA150 | APK150 |
| 2" | 23" | T150 | B200 | G200 | AS200 | P200 | S200 | CBA200 | APK200 |
| 2-1/2" | 27" | T250 | B250 | G250 | AS250 | P250 | S250 | CBA250 | APK250 |
| 3" | 27" | T250 | B300 | G300 | AS300 | P300 | S250 | CBA300 | APK300 |
| 4" | 27" | T250 | B400 | G400 | AS400 | P400 | S250 | CBA400 | APK400 |

* SIZE OF HOT WATER INLET DETERMINES THE SIZE OF THE HOLBY TEMPERING VALVE

** LENGTH OF THERMOSTAT DOES NOT INCLUDE PROJECTING ROD

*** ADJUSTING SCREW THREAD IS 3/8" - 24

PACKING GLAND PG

RING PACKING (2 REQ'D) RP100

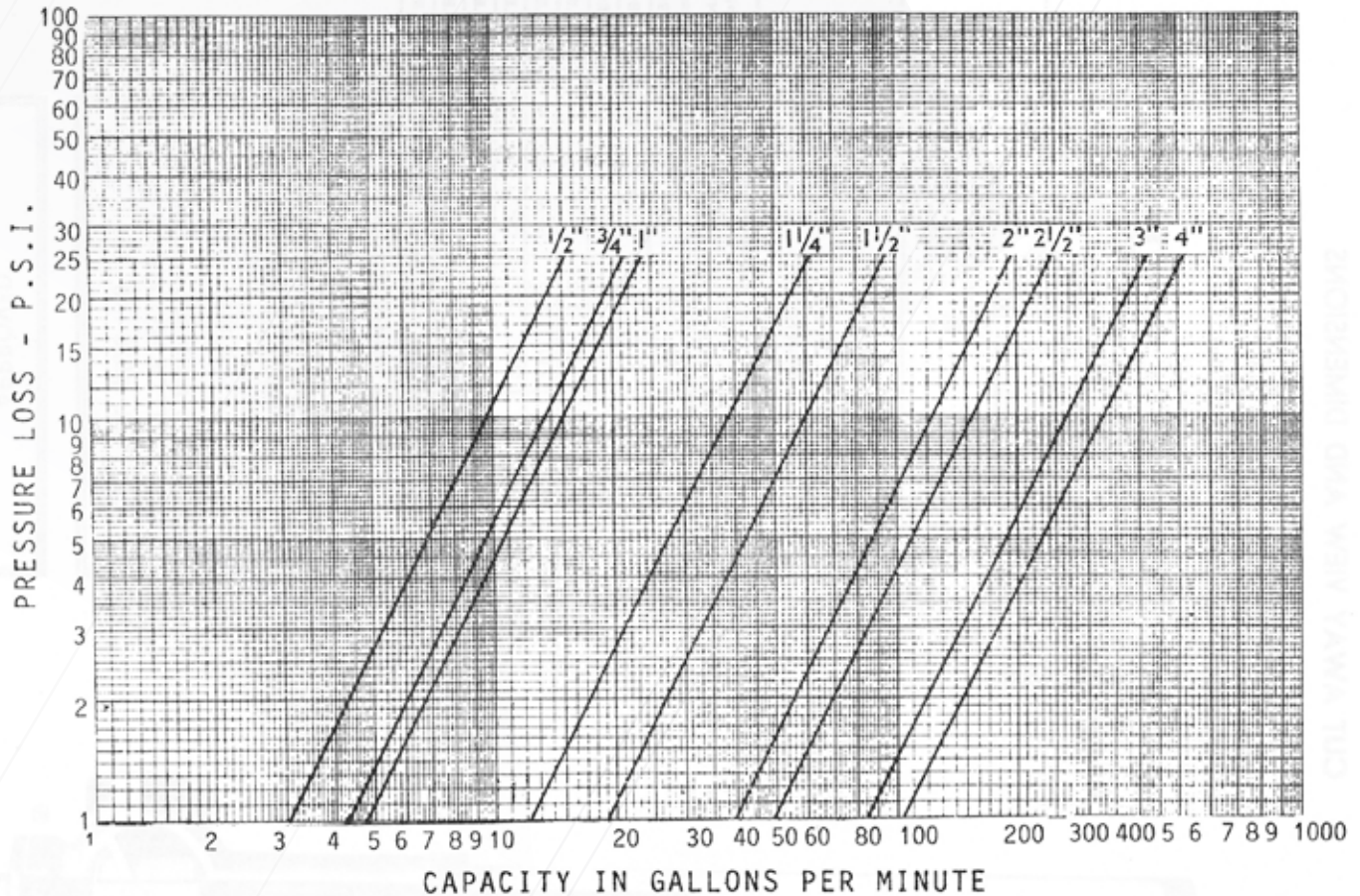
LOCKNUT (2 REQ'D) LN100

ADD "LT" TO THERMOSTAT AND ALL PARTS KITS PART NUMBERS IF LOW TEMPERATURE RANGE IS REQUIRED (LT = 60 - 120 DEG F)



Pressure Chart

HOLBY TEMPERING VALVE PRESSURE DROP Vs. FLOW



DATA OBTAINED FROM TESTS
Conducted By
C. A. WOJAN
Licensed Professional Engineer



Valve Sizing Guide

| <u>Valve Size</u> <u>½" or ¾"</u> | <u>Residential Building Size</u> <u>1 or 2 Families</u> |
|--------------------------------------|------------------------------------------------------------|
| 1" | Up to 10 Families |
| 1-1/4" | Up to 24 Families |
| 1-1/2" | Up to 40 Families |
| 2" | Up to 65 Families |
| 2-1/2" | Up to 100 Families |
| 3" | Up to 150 Families |
| 4" | Up to 250 Families |

*Use this valve sizing as a rough guide only.
Always follow engineer's selected valve sizing.
Also refer to Holby Valve Flow vs. Pressure drop data.