

BA-480B* 1/2"-3"

**Brass Ball Valve
Two Piece
Full Port
200 psig @ 250°F†
Press x Press Ends
Blow-Out Proof Stem**



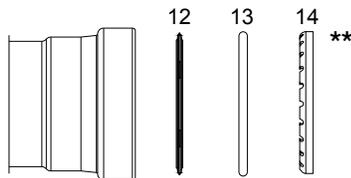
*Not intended for use in potable water.

MATERIALS LIST

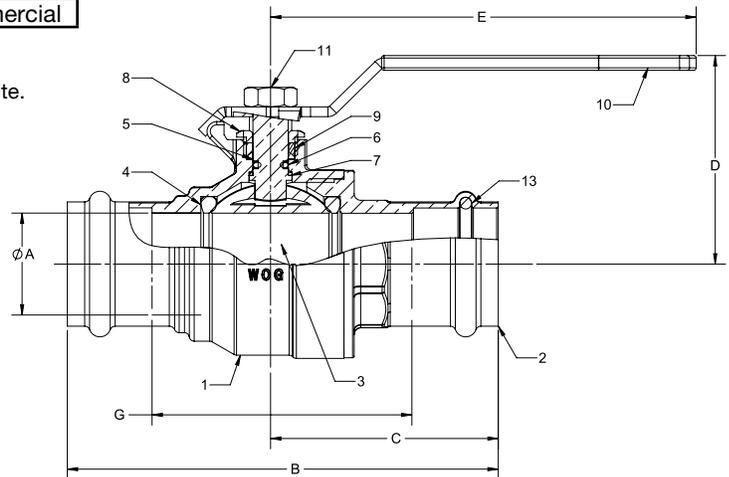
| ITEM | PART | MATERIALS | ASTM SPEC. |
|------|---------------|----------------------|------------|
| 1 | Body | Brass, Forged | B283 |
| 2 | Tailpiece | Brass, Forged | B283 |
| 3 | Ball | CP Brass Ball | B283 |
| 4 | Ball Seat | PTFE | Commercial |
| 5 | Stem | Brass | B124 |
| 6 | Stem O-Ring | Buna-N | |
| 7 | Thrust Washer | PTFE | Commercial |
| 8 | Gland Nut | Brass | B124 |
| 9 | Packing | PTFE | Commercial |
| 10 | Handle | Steel w/Zinc Plating | Commercial |
| 11 | Handle Nut | Steel w/Zinc Plating | Commercial |
| 12 | Tube O-Ring | EPDM | Commercial |
| 13** | Backing Ring | Plastic | Commercial |
| 14** | Gripping Ring | Stainless Steel | Commercial |

*UltraPress Valves are designed and qualified for use in copper tubing systems only, Types K, L, & M per ASTM B88.

**For Installation Instructions please see engineering section on website.



** 2 1/2" & 3" Requires XLC installation jaws.



DIMENSIONS

| | UNITS | 1/2" DN15 | 3/4" DN20 | 1" DN25 | 1-1/4" DN32 | 1-1/2" DN40 | 2" DN50 | 2-1/2" DN65 | 3" DN80 |
|----|--------|--------------|--------------|------------|----------------|----------------|------------|----------------|------------|
| A | INCHES | 0.51 | 0.76 | 0.98 | 1.26 | 1.50 | 2.01 | 2.48 | 2.95 |
| | mm | 13 | 19 | 25 | 32 | 38 | 51 | 63 | 75 |
| B | INCHES | 3.16 | 3.71 | 4.28 | 5.20 | 6.31 | 7.44 | 8.23 | 9.13 |
| | mm | 80 | 94 | 109 | 132 | 160 | 189 | 209 | 232 |
| C | INCHES | 1.63 | 1.92 | 2.18 | 2.75 | 3.40 | 3.96 | 4.33 | 4.80 |
| | mm | 41 | 49 | 55 | 70 | 86 | 101 | 110 | 122 |
| D | INCHES | 1.62 | 2.01 | 2.21 | 2.46 | 2.62 | 3.13 | 3.86 | 4.21 |
| | mm | 41 | 51 | 56 | 63 | 67 | 80 | 98 | 107 |
| E | INCHES | 3.15 | 4.33 | 4.33 | 5.12 | 5.12 | 6.89 | 7.87 | 7.87 |
| | mm | 80 | 110 | 110 | 130 | 130 | 175 | 200 | 200 |
| G | INCHES | 1.52 | 1.73 | 2.31 | 3.16 | 3.49 | 4.28 | 3.98 | 4.76 |
| | mm | 39 | 44 | 59 | 80 | 89 | 109 | 101 | 121 |
| Cv | | 18 | 40 | 72 | 112 | 161 | 287 | 448 | 645 |

The information presented on this sheet is correct at time of publication. Hammond Valve reserves the right to change design and/or materials without notice. For our Installation, Operation and Maintenance Manual and the most current product information go to www.hammondvalve.com. Hammond Valve is a registered trademark of Milwaukee Valve.

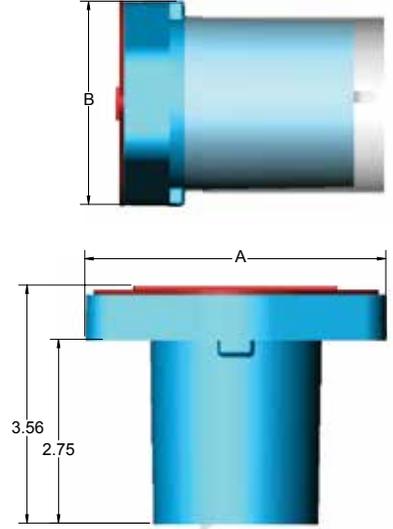
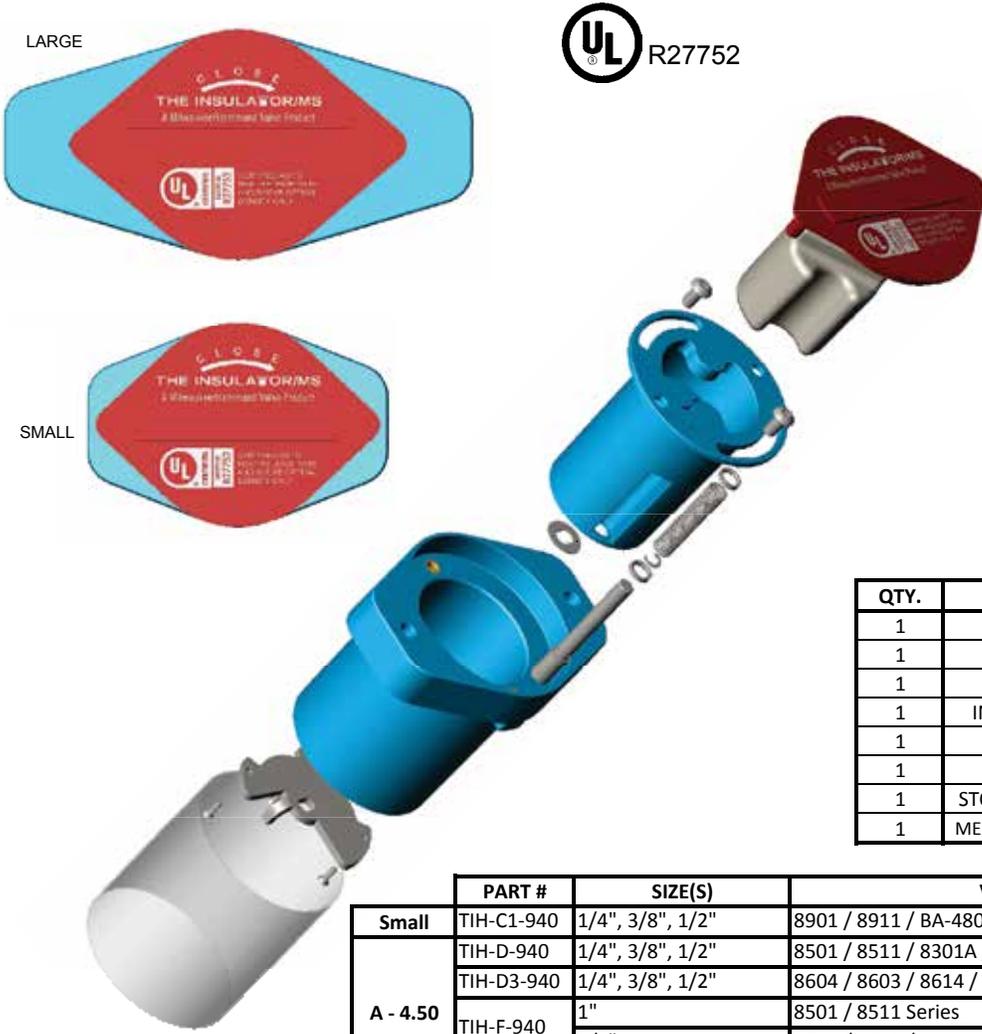
⚠ State of California Prop 65 **WARNING:** Cancer and Reproductive Harm. For more information visit www.p65warnings.ca.gov.

THE INSULATOR/MS[®]

Bronze & Brass Ball Valves

Hammond Valve's insulated extension handle is designed to prevent condensation and other extraneous moisture from entering your insulated piping system, while also minimizing thermal energy loss from the system via metal extension tubes, levers, and similar parts.

Our handle design incorporates a unique memory stop feature that requires no disassembly or removal of the handle to engage and make adjustments.



Bill of Material

| QTY. | DESCRIPTION | MATERIAL |
|------|----------------------|--------------------|
| 1 | HOUSING | FIRE RESISTANT ABS |
| 1 | SLEEVE | FIRE RESISTANT ABS |
| 1 | CAP | POLYETHYLENE |
| 1 | INSULATION INSERT | POLYSTYRENE |
| 1 | SHIELD | PLASTIC SLEEVE |
| 1 | LOCK WASHER | SS |
| 1 | STOP PLATE & SCREWS | SS |
| 1 | MEMORY STOP ASSEMBLY | SS |

| | PART # | SIZE(S) | VALVE* |
|----------|------------|--------------------------|--|
| Small | TIH-C1-940 | 1/4", 3/8", 1/2" | 8901 / 8911 / BA-480B / BA-490B Series |
| A - 4.50 | TIH-D-940 | 1/4", 3/8", 1/2" | 8501 / 8511 / 8301A / 8311A Series |
| | TIH-D3-940 | 1/4", 3/8", 1/2" | 8604 / 8603 / 8614 / 8613 |
| | TIH-F-940 | 1" | 8501 / 8511 Series |
| A - 4.50 | TIH-F3-940 | 3/4" | 8501 / 8511 / 8301A / 8311A Series |
| | | 3/4" | 8604 / 8603 / 8614 / 8613 |
| B - 3.06 | TIH-H1-940 | 3/4", 1", 1 1/4", 1 1/2" | 8901 / 8911 / BA-480B / BA-490B Series |
| Large | TIH-J-940 | 2" | 8501 / 8511 Series |
| | | 1 1/4", 1 1/2" | 8501 / 8511 / 8301A / 8311A Series |
| B - 3.44 | TIH-J1-940 | 1" | 8301A / 8311A Series |
| | | 2" | 8901 / 8911 / BA-480B / BA-490B Series |
| | TIH-J3-940 | 1", 1 1/4", 1 1/2" | 8604 / 8603 / 8614 / 8613 |
| | TIH-K-940 | 2" | 8301A / 8311A Series |
| | TIH-K3-940 | 2" | 8604 / 8603 / 8614 / 8613 |

To order factory assembled to the valve suffix 16

TIH handle is rated to 275°F. Installation of Solder end valves with the TIH installed: slide the plastic sleeve up to avoid contact with the valve body, wrap the TIH handle with a damp cloth to protect and draw heat away while directing the flame away from the center of the valve during heating.

*Will fit our equivalent Ultrapure Low Lead Valves.

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