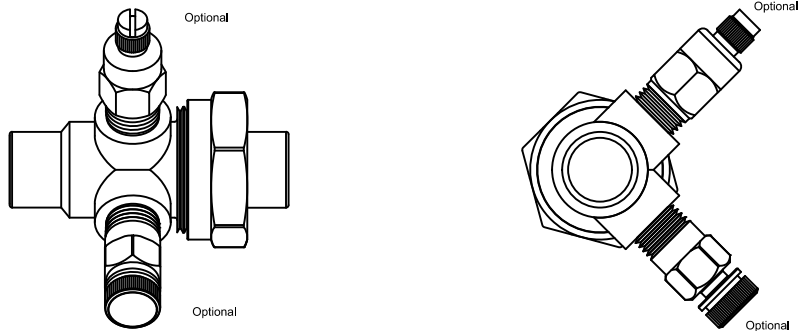




AU Series Installation and Operations Manual Accessory Union



PRODUCT DESCRIPTION: The AU is a brass accessory union that provides for accessory additions. The AU body contains two ¼" ports that come predrilled from the factory and are positioned 90° apart. The union side incorporates an o-ring for maximum sealing protection. Union side and port side connections available in MNPT, FNPT, and SWT.

PRO Hydronic Specialties (*PROHS*) assumes no responsibility for injuries or damages that result from the nonobservance or noncompliance with installation and operational procedures. It is the responsibility of each link in the supply chain between the factory and the ultimate installation to assure each subsequent party has a copy of this document and understands the proper installation and cautions concerning this product. Upon receipt of shipment, the product should be thoroughly inspected for any damage. Once installed, the product should be checked under pressure for leaks and thereafter at least annually.

Limited Warranty: *PROHS*'s liability is limited to the repair or replacement of the defective component. By purchasing and/or installing *PROHS* products, it is understood the purchaser/installer contractually agrees with the warranty terms as stated here and elaborated in the full warranty statement found at www.prohydronicsspecialties.com. *PROHS* makes no general claim of usability of this product unless *PROHS* is directly advised of the specific use and installation of this product and responds in writing.

CAUTION

CAREFULLY FOLLOW THESE INSTRUCTIONS. FAILURE TO DO SO MAY RESULT IN SERIOUS PERSONAL INJURY AND/OR PROPERTY DAMAGE.

- DO NOT use pipe dope or sealant on union threads, o-rings, or in o-ring grooves. Doing so can result in leaks.
 - DO NOT use silver solder for sweat end models.
 - DO NOT use an excessive amount of flux or solder.
 - DO NOT over tighten the union nut. Tool marks on the union nut indicate over tightening.
 - DO NOT adjust factory installed and tested fittings.
 - ALWAYS use a heat sink when soldering. Do not overheat product.
 - ALWAYS use properly engineered pipe supports and avoid placing excessive loads on the product.
 - ALWAYS perform no less than annual inspections on components. These products are dynamic in nature and due to varying system conditions there are no representations as to the duration of useful life for these products in excess of the warranty.
 - ALWAYS pressure test the components once installed to assure no leaks exist. If a leak or defect is found, immediately isolate from pressure and contact the factory for repair or replacement under warranty.
 - ALWAYS isolate the product from pressure when leaks or damage are detected to avoid property damage and contact the factory immediately to determine appropriate actions. The factory is not responsible for damages as the result of any repairs performed on the products while under pressure.
- Failure to follow these cautions, not following standard industry practices, and/or using non-trained/unqualified installers could result in catastrophic failure.

Installation Procedures

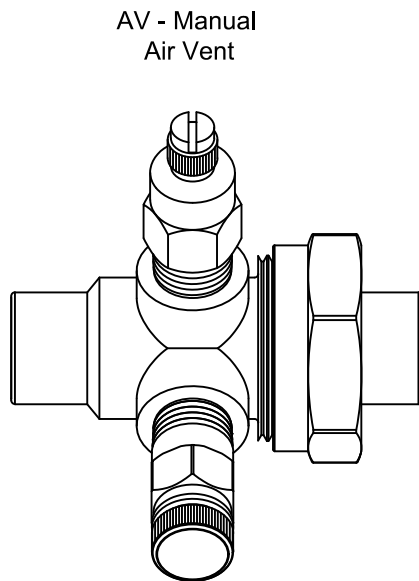
Threaded End Valves:

- Inspect pipe threads on valve and piping to ensure they are clean and free of burrs and/or other foreign material.
- Tail pieces and union nuts are hand tightened for shipment. This will ease installation and connection in the field.
- The union nut should be hand tightened or snugged with a wrench to seal sufficiently.
- Once installed, if the union nut must be disassembled, use a wrench to hold the valve steady to prevent turning.

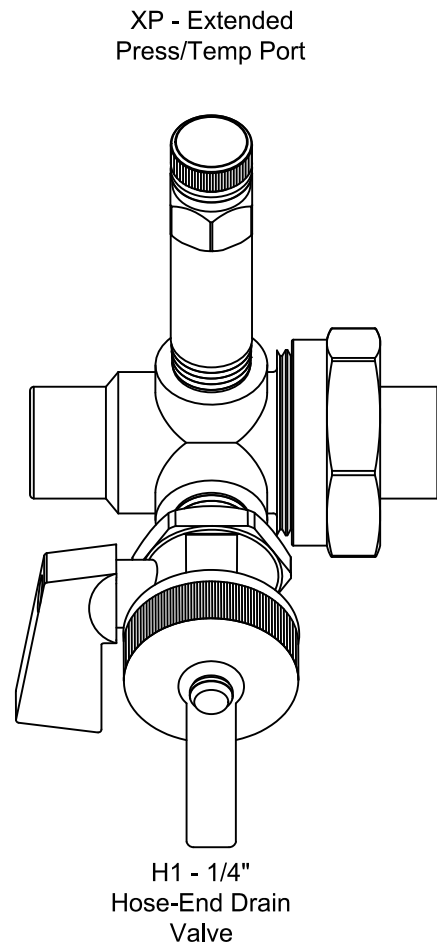
Sweat End Valves:

- Clean the valve and tube ends with a wire brush before soldering.
- ALWAYS wrap the valve with a heat sink.
- Direct the flame away from the center of the valve body.
- Remove excess flux and solder.

Accessory Options:



PT - Press/Temp
Port



H1 - 1/4"
Hose-End Drain
Valve