

# INSTALLATION GUIDE

## T-459, S-459, & P-459

## BACKFLOW PREVENTER INSTALLATION INSTRUCTIONS

### APPLICATION

A backflow prevention device protects potable water supplies from contamination or pollution due to backflow. Water is maintained at a significant pressure to enable water to flow from the tap, shower, or other fixture in water distribution systems. Specifically, Model 459 is designed for continuous-pressure hot or cold water lines such as boiler feed or process equipment lines attached to the potable water supply.

### INSTALLATION

1. The Legend T/S/P-459 Backflow Preventers should always be installed in an accessible location to facilitate testing and servicing.
2. Before installation of pipelines, they must be thoroughly flushed to remove impurities, pipe scales and other foreign material.
3. The T/S/P-459 can be installed horizontally or vertically. When installed vertically, an elbow must be installed at the vent to ensure a downward flow. Installation must be done with "inlet" of the valve at the water inlet from the pipe.
4. Air gap should be provided in accordance with plumbing code requirements. Under certain conditions, water will spill from vent port. Provisions should be made to collect spillage through an air gap, funnel or piping to within 12" of a drain.

### END CONNECTIONS

T-459 (Threaded): Use high quality Teflon tape or pipe dope & standard piping practices to connect.

S-459 (Sweat): Do not attempt solder with the valve assembled. First remove both end connections and slide union nuts over tubing. Prepare the solder joint. Solder the end connections onto the tubing using good flux & solder and reassemble valve when the solder has cooled.

P-459 (Press): Use a rotary cutter to cut the copper and achieve a square end. Remove any burrs and make sure the tube is smooth. Mark the tube 1-9/16" from the end. Insert the tube fully, up to the mark. Using a press tool with VUS jaws, press the joints.

