

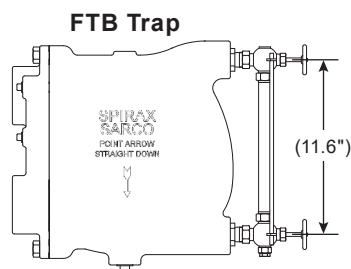
Installing Tubular Gauge Glasses on F&T Traps

Installation and Maintenance Instructions

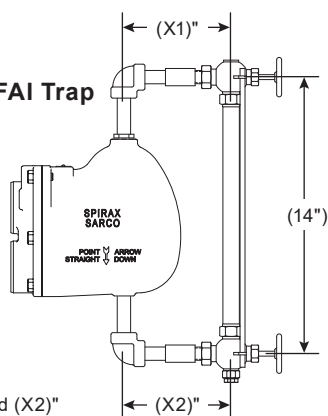
Warning

Ensure that system is isolated/relieved of all pressure prior to any work being done

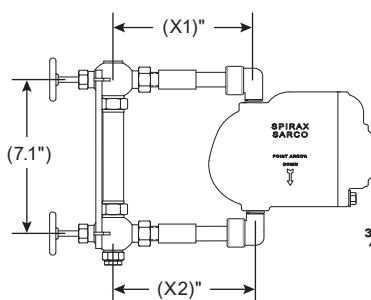
Only properly trained personnel should install and maintain water gauge glass and connections. Remember to wear safety gloves and glasses during installation. Before installing, make sure all parts are free of chips and debris.



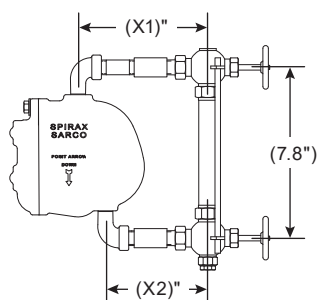
1½" FT/FTI/FAI Trap



See the note overleaf, in 4b, about (X1)" and (X2)"



¾" FTI/FAI Trap



Gauge glass kit (44299F)

Glass dimensions

5/8" diameter x 12¾" Long +/- 1/16"

Rod length

16" Long

1. Fittings required to attach gauge glass assembly to trap of choice:
 - a. **FTB Traps**
Requires (2) 1" x $\frac{3}{8}$ " Reducing Bushings, 3000# Carbon Steel SA105 material (or depending on FTB model it could need $\frac{1}{2}$ " x $\frac{3}{8}$ " Reducing Bushings).
 - b. **FT/FTI/FAI Traps**
Requires the following fittings in Carbon Steel 3000# SA105/SA106:
 - (2) $\frac{3}{8}$ " 90° Elbows or 90° Street Elbows
 - (1 or 2) $\frac{1}{2}$ " x $\frac{3}{8}$ " Reducing Bushings (if tapped holes are $\frac{1}{2}$ ")
 - (2) $\frac{3}{8}$ " NPT Couplings
 - (2-4) $\frac{3}{8}$ " Pipe Nipples (various lengths)
2. Remove $\frac{3}{8}$ ", $\frac{1}{2}$ " or 1" plug(s) installed in trap body.
3. Apply a small amount of pipe sealant compound on threads of Reducing Bushing. Install Reducing Bushing(s) where required in trap body to a snug fit. Do not over-torque to prevent damage to threads and/or body.

Note: If Reducing Bushings are not required, start with 90° Street Elbows, applying pipe sealant compound on threads and tighten snugly.
- 4a. **For FTB Traps**
Gauge Glass Valves are installed directly into the Reducing Fittings. Refer to 44299F Installation Instructions (I-5387-00 Rev.E) that are provided with the kit. Apply a small amount of pipe sealant to threads of gauge glass valves prior to installing.
- 4b. **For FT/FTI/FAI Traps**
Install either 90° Street Elbows or $\frac{3}{8}$ " Nipples using a small amount of pipe sealant compound on threads. Continue by installing remaining fittings (tighten each snugly) using pictorials on Page 1 as a guide.

Note: The "X1" and "X2" dimensions must be measured to determine the length of the pipe nipples required. They can be the same or different depending on the trap body.

Refer to 44299F Installation instructions (I-5387-00 Rev.E) that are provided with the kit to install the remaining parts of the gauge glass. Prior to install of gauge glass valves, apply a small amount of pipe sealant compound to the gauge glass valve threads.
5. **Cutting the glass**
The glass tube may need cutting due to the length and center-to-center dimension of the gauge glass valves.
 - a. Obtain choice of tubing glass cutter (i.e. shown below).
 - b. Measure the center-to-center dimension between the two gauge glass valves and carefully cut the glass.
 - c. Use caution when cutting the glass to ensure a clean even cut and that the glass is not damaged or broken.
 - d. Install glass using 44299F Installation Instructions (I-5387-00 Rev.E), Steps 3-7 .

