

IMPROVED CONCENTRATE TUBE CONNECTORS

This Tech Note identifies a product improvement related to concentrate delivery system valve tee connectors. Existing t-valve connectors (see Figure 1) have resulted in some instances where leakage occurs due to cracked fittings. This was mainly attributed to overtightening at time of installation or from follow-up service.



Figure 1

To remove the potential for inconsistencies, we developed our own uniquely designed connector (see Figure 2) primarily for use on concentrate delivery systems. The improved valve tee uses similar compression style connectors, but offers a stronger fit with a proven, more reliable and consistent installation assembly practice. These specialized fittings have been extensively bench and field tested prior to release. The new valve tee connector kits are as follows:

Part Number	Description
W3T578156	KIT, PE, 5/8"X1/4", STATION, W/O REGULATOR
W3T578157	KIT, PE, 5/8"X3/8", STATION, W/O REGULATOR
W3T578935	KIT, PE, 1/2"X1/4", STATION, W/O REGULATOR
W3T578155	KIT, PE, 1/2"X3/8", STATION, W/O REGULATOR

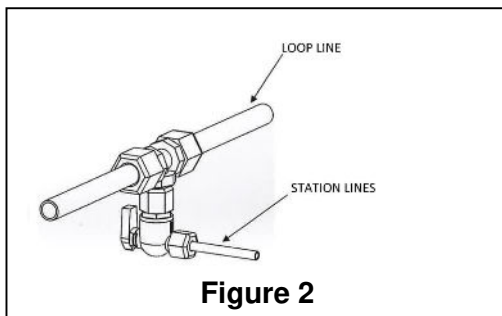


Figure 2

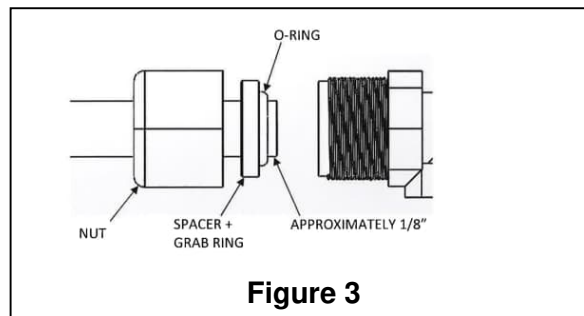


Figure 3

Steps to Install:

1. Determine placement of valve tee to loop and station line(s). Position valve tee to reduce dead leg to station box. Support loop line where possible. Ensure tube enters the tee squarely. Tube entering at too much of an angle can cause leaks. Loop valve tees without regulator can be connected directly to station line.
2. Cut the tube squarely and remove any burrs.
3. Completely unscrew the nut from the connector. Slide the nut on to the tube (see Figure 3).
4. Slide grab ring, spacer and O-ring on to tube. O-ring should be approximately 1/8" from end of tube. The grab ring should only be placed on to tube as far as the O-ring position allows.
5. Insert tube into the fitting until it bottoms on the fittings shoulder.
6. Tighten nut by hand. Additional tightening should not be necessary, but a 1/4 turn may be added. **DO NOT OVERTIGHTEN** nut as the threads will strip and the fitting will not function properly.

If you have any questions, please contact Technical Service at 1-888-595-0666.