

Installation, Maintenance, & Troubleshooting

Silver Solder is highly recommended for the installation of your water and steam lines to the injector. Soft solder may result in a failed joint.

If your injector is not working properly look for these common issues:

1) Won't pick up, sputtering overflow, or high starting pressure

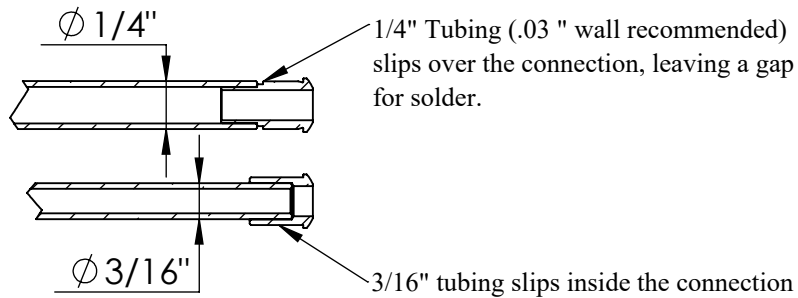
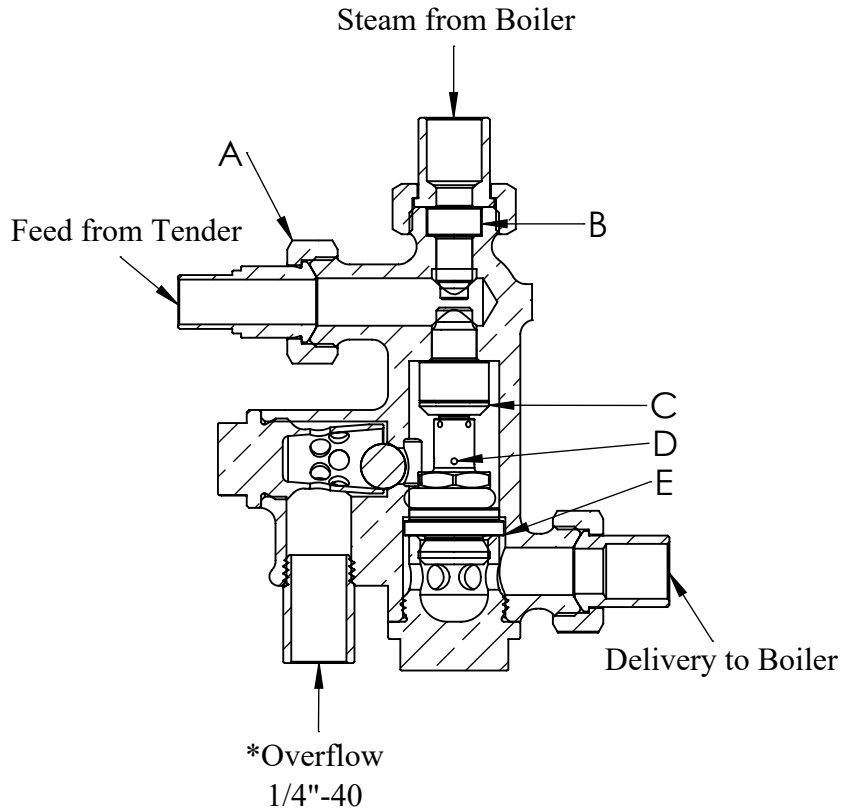
Any air leak in the water line can be detrimental to your injectors performance. Check to make sure the water inlet union nut is tight (A), and ensure all joints and fittings between your water valve and injector are air tight, including the packing of your water valve.

2) Injector blows steam out overflow and/or back to tender

A fine filter is strongly recommended for your water line to prevent debris from getting into the injector. However, even with a good filter debris can still fine its way into your delivery cone. A clogged delivery cone will prevent an injector from working entirely. The delivery cone can be removed by uncrewing the bottom cap, and unscrewing the delivery cone from the bottom cap (E). With it completely isolated, look directly through the nozzle to check for obstructions, and look through the small crossdrilled holes (D) to ensure they are unobstructed as well. When using air or wire to remove debris, always blow or push from bottom out through the top (as illustrated here)

Also make sure the steam nozzle is in place (B). If not careful, they can fall out.

3) With scale build up from boiler water and boiler treatment, the washer (C) can sometimes get stuck. Make sure it moves freely. The washer orientation is correctly depicted in this illustration.



*It is important to note that if steam or water is visible from the overflow during operation, the injector is not properly delivering water. Opening or restricting the water valve will cause the overflow to run dry depending on the operating psi. A water valve with fine adjustment, like a globe valve, is strongly recommended.

Eccentric Engineer		
TITLE:		
Small Scale Injector		
SIZE	DWG. NO.	
A	Operation & Installation	
SCALE: 3:2	WEIGHT:	SHEET 1 OF 1