

Installation, Maintenance and Troubleshooting:

Pipe sealant is strongly recommended on the water intake line (from the tender) to reduce failure due to air leak. Silver Solder is strongly recommended if using the 3/8" tubing connections.

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

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

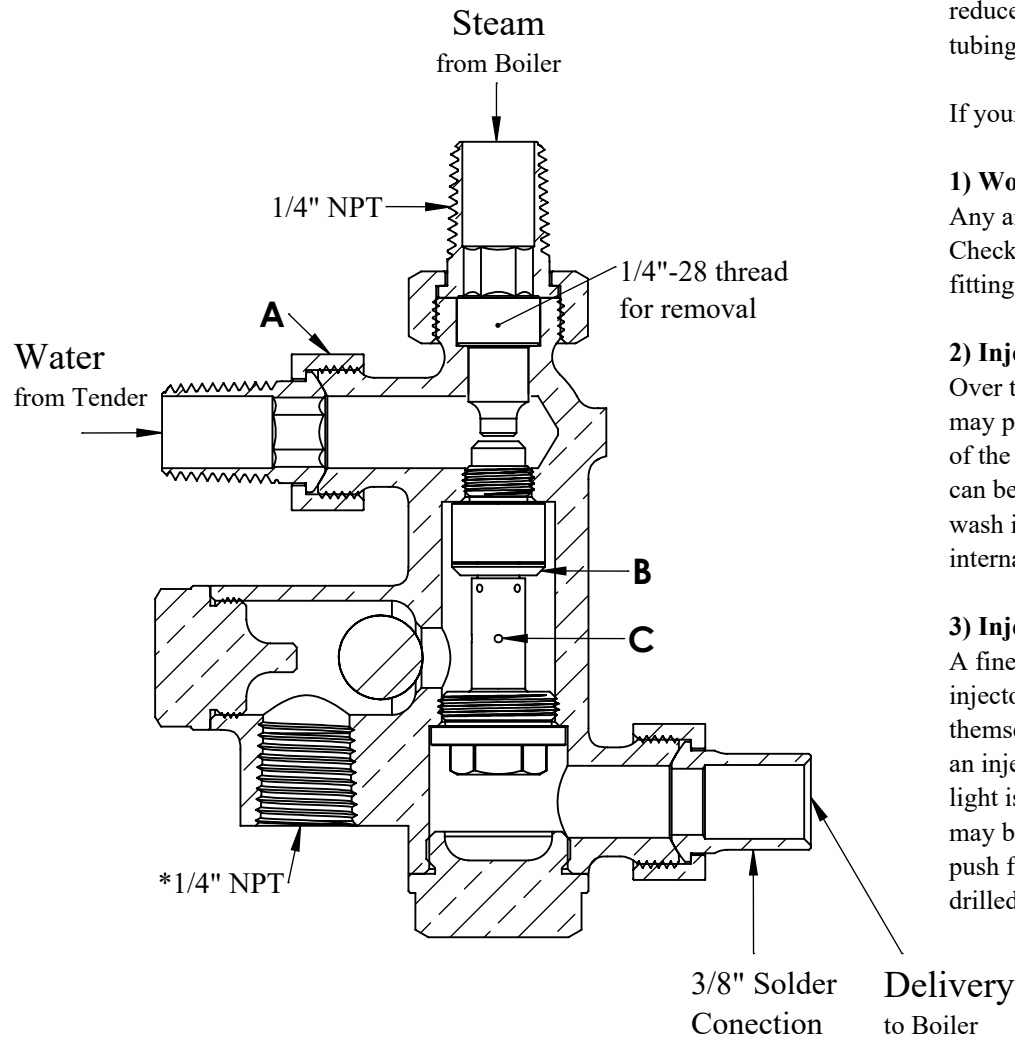
Any air leak in the water line can be detrimental to your injector's performance. Check to make sure the water inlet union nut is tight (A), and ensure that all joints and fittings between your tender and this nut are air tight.

2) Injector is abnormally sensitive or won't pick up

Over time the cones may receive considerable build up of scale and deposits. This may prevent the washer (B) from moving freely. This scale can also coat the insides of the cones reducing overall performance. The delivery cone and washer can be removed by unscrewing them from the body with a 7/16" socket. A 2-3 minute wash in an ultrasonic cleaner is the best and safest way to clean your injector's internals. CLR or Simple Green are recommended solvents. NOT VINEGAR!

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

A fine filter is strongly recommended for your water line from the tender to the injector. However, even with a good filter, sometimes particulates can lodge themselves into the middle of the delivery cone. A clogged delivery cone will prevent an injector from delivering entirely. Upon removal of the delivery cone, make sure light is visible through the 12 holes (C). If they appear clogged, 15 gauge copper wire may be used to push the obstruction out through the middle of the cone. Always push from the hexagonal end of the delivery cone toward the end with the cross drilled holes!



*If mounted in a lifting position, it is recommended to open up the overflow line to at least 3/8" pipe if the tube is exceptionally long. It is important to note that if water is visible from the overflow during operation, the injector is not properly delivering water. Opening or restricting the water valve will help the injector to run "dry." A water valve with fine adjustment, such as a globe valve, is strongly recommended.

Eccentric Engineer

TITLE:

Large Injector Operation & Maintenance

SIZE	DWG. NO.	REV
A	EE-LARGE-016	
SCALE: 1:2	WEIGHT:	SHEET 1 OF 1