



TSB 2014-1001 Level: 4 Effective August 15, 2014

Topic	Dye Injectors with the check valve installed in the wrong direction
Affected units	69702, 69703, 69705, 69706, 69788, 69789, 69950
Resolution	Return incorrect units for replacement

Issue:

Dye injector part 69702, 69703, 69705, 69706, 69788, 69789, and 69950, May have been manufactured with the check valve in backwards. This will cause the dye and plunger to be pushed out backwards when hooked up to a system under pressure and prevents dye from being injected.

Root Cause Analysis:

A small percentage of units were incorrectly assembled during a confined period of time earlier this year. The assembly process has since been corrected, including 100% testing and inspection to verify proper alignment of check valve.

Instructions:

Please verify through the following process if you have an affected unit. Or if you do not feel qualified to verify the units please return them to us and we will check the units, return good ones and replace incorrect ones. Returns should be done through the standard RGA process.

Reminder:

Safety glasses should always be worn, units should always be pointed away from operator, and the syringe is rated for maximum of 80 psi.

1. As seen in figures 1-3 you may or may not be able to see the arrows on the union with the check valve without opening the packaging.

(Figure 1)





(Figure 2)



(Figure 3)

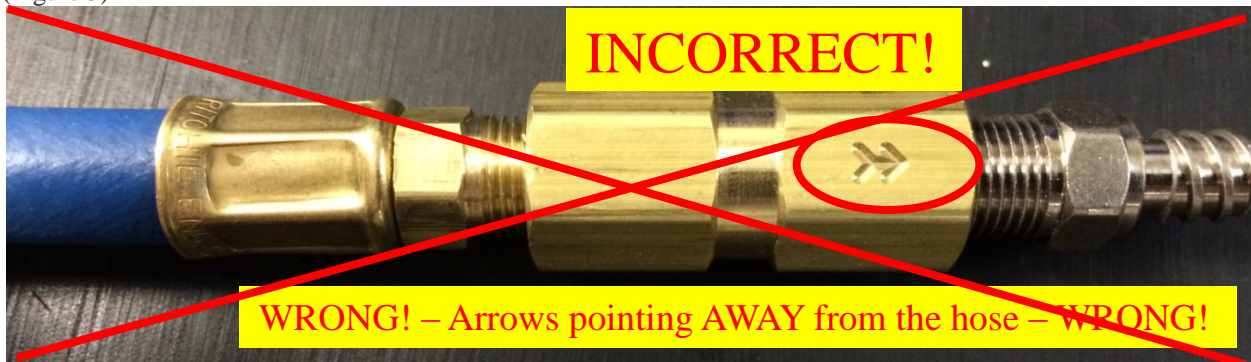


- If you can see the arrows from outside the packaging they should be pointing towards the hose as seen in figure 3.

(Figure 4)



(Figure 5)



- If you cannot see the arrows on the check valve union through the packaging then you will need to remove the two staples holding the clamshell together and open it up to inspect it.
- After you have removed the hose assembly for inspection and found it to be ok; then carefully replace the contents back into the clamshell and secure with two staples.
- Any units that you find to have the check valve union installed incorrectly need to be returned to Ritchie Engineering under the RGA process. Reference this TSB. (TSB 2014-1001)