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REMCO SUPPORT DOCUMENT RSD 21-02

Title: Trouble Shooting Inlet Air Leak

Date: 4/2/2021 Rev: 1

PURPOSE: To describe the procedure for trouble shooting an air leak on the inlet plumbing of the pump. Symptoms of an inlet air leak are low priming capabilities, low flow, sputtering nozzles, low pressure

TOOLS:

- Water tank full preferably no chemical until procedure is completed
- Power source to the pump
- Spray bottle of soapy water
- Screwdriver (Philips, flathead, and t20 Torques all applicable)
- Needle nose plyers

PROCEDURE: If you notice one of the symptoms listed above start by checking the list of items below on the inlet side of the pump. You can indicate the inlet of the pump by checking the flow arrows on the face of the pump

1. Check the inlet filter
 - a. Check and make sure that the cap is screwed on tight and not cross threaded
 - b. Some inlet filters have O-rings in the cap make sure that is completely intact
 - c. Using the proper screwdriver ensure that any hose clamps are tight and clamped directly onto a barb making a tight seal
 - d. Using the spray bottle of soapy water spray potential leak points and check for bubbles
2. Pump inlet fittings
 - a. If your pump has threaded ports, using the spray bottle, lightly spray around the port, if bubble start to form there is an air leak
 - b. Check to indicate where the bubbles are coming from. If there is a crack in around the port the fitting was over tightened and the upper housing needs to be replaced.
 - c. If bubbles are forming around the fitting treads see below
 - i. Remove the fitting, clean it, and add new Teflon tape or pipe dope. Two complete wraps of tape are enough to make a complete seal.
 - ii. Re-insert newly cleaned and wrapped fitting. (DO NOT OVER TIGHTEN OR CROSS THREAD)
 - d. For Quick Attach pumps remove the fitting and check the fittings O-ring.
 - e. Make sure there are no nicks, tears, or deformities,
 - f. If O-ring is damaged replace the fitting or O-Ring to solve the issues
3. Hose Clamps/Connections
 - a. With spray bottle lightly spray each hose connection
 - b. If bubbles form using the proper screw driver tighten the hose clamp or hose connection making sure it is properly fitted over a hose barb

Please check for any other damage to fluid connections on you inlet plumbing and remember to keep inlet plumbing as short as possible with limited 90 degree turns or elbows.

IF YOU HAVE QUESTIONS REGARDING THIS SUPPORT DOCUMENT PLEASE CONTACT REMCO 763-253-4740 OR
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