

## Trouble Shooting

PROBLEM	POSSIBLE CAUSE	CORRECTIVE ACTION
Low Residual	<ol style="list-style-type: none"> <li>1. Pump not running</li> <li>2. Trash in pump check valves</li> <li>3. Valve in wrong position</li> <li>4. Injection fitting clogged</li> </ol>	<ol style="list-style-type: none"> <li>1. Check power to pump and that pump is in the run position, see pump manual.</li> <li>2. Clean trash from check valves, see pump manual</li> <li>3. Check ball valves for proper position.</li> <li>4. Clean injection fitting.</li> </ol>
High system pressure	<ol style="list-style-type: none"> <li>1. Clogged injection fitting</li> <li>2. Valve in wrong position</li> <li>3. Back pressure valve adjusted to high</li> </ol>	<ol style="list-style-type: none"> <li>1. Clean injection fitting</li> <li>2. Check valves for proper position</li> <li>3. Adjust back pressure valve to proper pressure, see back pressure valve manual</li> </ol>
Low system pressure	<ol style="list-style-type: none"> <li>1. Valve in wrong position</li> <li>2. Back pressure valve adjusted to low</li> <li>3. Trash in back pressure valve</li> <li>4. Pressure relief valve set to low.</li> <li>5. Trash in pressure relief valve</li> </ol>	<ol style="list-style-type: none"> <li>1. Close manual pressure relief valve</li> <li>2. Adjust pressure valve to proper pressure</li> <li>3. Clean trash from back pressure valve.</li> <li>4. Adjust pressure relief valve higher.</li> <li>5. Clean trash from pressure relief valve.</li> </ol>
Chemical in containment	<ol style="list-style-type: none"> <li>1. Leaking PVC fitting; union, union ball valve, threaded connection</li> <li>2. Pump head loose.</li> <li>3. Pump check valve fitting</li> </ol>	<ol style="list-style-type: none"> <li>1. Isolate leak by closing valves; repair leak using Teflon tape and/or pipe sealant. Dilute and flush containment and dispose of chemical properly. Clean pump and piping of any chemical.</li> <li>2. Tighten pump head bolts, see pump manual. Replace diaphragm as necessary.</li> <li>3. Tighten pump check valve fitting, see pump manual. Replace orings as necessary.</li> </ol>

Individual Manuals are attached for reference on adjusting or repairing components.