

# VALVE TROUBLESHOOTING

PROBLEM	CAUSE	SOLUTION
<p>Valve will not open</p>	<ul style="list-style-type: none"> <li>• No power to timer or solenoids, or faulty steps in timer</li> <li>• Solenoid coil continuity</li> <li>• Buildup of debris (oil, dirt, etc.) in solenoid plunger sleeve</li> <li>• Tubing between solenoid and pulse valve blocked</li> <li>• Tubing ID too small (&lt;0.167") or tubing too long (&gt; 8ft.)</li> <li>• Solenoid plunger worn</li> <li>• Holes in diaphragm</li> <li>• Blocked exhaust ports</li> </ul>	<ul style="list-style-type: none"> <li>• Check wiring, may need new timer board</li> <li>• Replace coil</li> <li>• Clean or replace plunger</li> <li>• Unplug lines – replace if needed</li> <li>• Install correct tubing</li> <li>• Rebuild w/Solenoid Repair Kit</li> <li>• Replace diaphragm</li> <li>• Remove blockage</li> </ul>
<p>Valve will not Close (leaks air)</p>	<ul style="list-style-type: none"> <li>• Solenoid leaks air</li> <li>• Tubing between solenoid and pulse valve leaks</li> <li>• Solenoid energized continuously</li> <li>• Insufficient air supply</li> <li>• Blocked bleedports in pulse valve housing</li> <li>• Bad seal on diaphragm</li> <li>• Broken diaphragm spring</li> </ul>	<ul style="list-style-type: none"> <li>• Rebuild or replace solenoid</li> <li>• Replace tubing and/or connectors</li> <li>• Check power – replace timer board</li> <li>• Check compressor supply lines, and the header is properly sized</li> <li>• Lightly tap housing near bleedport to release blockage or disassemble valve</li> <li>• Clean out bleedport</li> <li>• Replace w/diaphragm kit</li> </ul>