

ACE95, ACE95jr, ACE95sr Troubleshooting Guide

Problem	Solution
<p><u>Tank Pressure Below Setpoint</u></p> <p>Some Variation in tank vapor space pressure is normal.</p>	<ol style="list-style-type: none"> 1) Inadequate inlet pressure. Observe inlet pressure under operating conditions. It is less than the inlet pressure range listed on the nameplate, the pressure may be insufficient to maintain the tank pressure. 2) Improper sizing. Check sizing as described in the sale bulletin. Inadequate valve capacity can result in an inability to maintain the tank pressure. 3) Incorrect range spring. Use the lowest range spring possible for your operating set point. 4) Incorrect main valve spring. Operating at pressures below the main valve spring range will result in the main valve not opening fully. 5) Tank venting device not closing. 6) Isolation valves partially or not open. 7) Partially or completely blocked control or main line. 8) Pilot or main valve inoperative. 9) Actuator is not operating main valve.
<p><u>Tank Pressure Above Setpoint</u></p> <p>Some variation in tank vapor space pressure is normal. The gas blanketing valve does not control the upper pressure in the tank beyond shutting off the gas flow when at setpoint. Further tank pressure increase can be caused by pump-in or thermal pressure build-up. Pressures above setpoint are controlled by tank venting devices.</p>	<ol style="list-style-type: none"> 1) Improper sizing. Check sizing as described in the sales bulletin. Excessive valve capacity can result in overshooting the setpoint. 2) Inlet supply pressure may be too high. 3) Leaking main valve seat/seal. 4) Leaking pilot valve seat/seal. 5) Leaking vain valve piston o-ring. 6) Pilot or main valve not closing.
<p><u>Cycling</u></p> <p>Some cycling is normal. Note: The check valve option may give an illusion of system cycling.</p>	<ol style="list-style-type: none"> 1) Improper sizing. Check sizing as described in the sales bulletin. 2) Undersized piping. 3) Inadequate inlet supply pressure. 4) Improper installation. 5) Purge option not adjusted properly. 6) Partially blocked control line. 7) Hole or tear in sensing diaphragm. 8) Galled, scored, or otherwise damaged main valve piston.