

## PMC Alarm Troubleshooting Summary for VST ECS Membrane Processor

PMC Alarm Troubleshooting Summary				
Message	PMC Category	Light	Cause	Suggested Troubleshooting
VP EMISSION WARN	Processor	Yellow	Mass emission exceeded the certified threshold.	<ul style="list-style-type: none"> <li>• Troubleshooting Guide found out <a href="http://www.vsthose.com">www.vsthose.com</a>.</li> <li>• Exhibit 8</li> <li>• Exhibit 9</li> </ul>
VP EMISSION FAIL	Processor	Red	2 <sup>nd</sup> Consecutive Mass emission test failure.	
PMC SETUP FAIL	Processor	Red	PMC is not configured or missing components.	<ul style="list-style-type: none"> <li>• Troubleshooting Guide <a href="http://www.vsthose.com">www.vsthose.com</a>.</li> <li>• See ISD Troubleshooting Guide, P/N 577013-819.</li> <li>• Exhibit 8</li> <li>• Exhibit 9</li> </ul>
VP DUTY CYCLE WARN	Processor	Yellow	Duty cycle exceeds 18 hours per day Or 75% of 24 hours.	<ul style="list-style-type: none"> <li>• Troubleshooting Guide <a href="http://www.vsthose.com">www.vsthose.com</a>.</li> <li>• TLS 350 PMC Setup Procedure</li> <li>• Exhibit 10</li> <li>• Exhibit 9</li> <li>• Exhibit 4</li> </ul>
VP DUTY CYCLE FAIL	Processor	Red	2 <sup>nd</sup> Consecutive Duty Cycle Test Failure.	

## PMC Alarm Troubleshooting Summary for Veeder-Root Vapor Polisher

Warning Type	Description	Light Indicator	Suggested Troubleshooting <sup>1</sup>
PMC Sensor Fault	Component used by PMC has failed or reported an error condition. See Troubleshooting section of complete description of sensors and associated conditions that can cause a sensor fault.	Red	Check for Smart Sensor Device Alarm or Fault.
PMC Setup FAIL	A sensor used by PMC is missing or not configured.	Red	Ensure that all required components are installed and operational.

<sup>1</sup>Refer to ISD/PMC Troubleshooting Guide 577013-819

## Alarm Troubleshooting Summary For Hirt VCS 100 Processor

Hirt VCS 100 Troubleshooting Summary				
VCS 100 Indicator Panel	Category	Light	Cause	Recommended Troubleshooting
OVERPRESSURE LIGHT	VCS 100 Processor or System	Red	UST ullage pressure is positive for at least 1 continuous hour.	<p>GDF Owner/Operator Responsibilities:</p> <ul style="list-style-type: none"> <li>• “Weekly Inspections” of Hanging Hardware as specified in section 2 of Installation, Operation, and Maintenance Manual.</li> <li>• “Drive-Offs and Other Customer Abuse” as specified in section 5 of Installation, Operation, and Maintenance Manual.</li> <li>• Exhibit 7 of Executive Order VR-203</li> <li>• Record findings in GDF Owner/Operator Maintenance Log.</li> </ul> <p>Certified Contractor Responsibilities:</p> <ul style="list-style-type: none"> <li>• Follow VCS 100 Troubleshooting Guide (Contact Hirt by either Phone: (562) 692-6970 or by email: <a href="mailto:HirtVCS@aol.com">HirtVCS@aol.com</a> to get Guide)</li> <li>• TP-201.3 and Exhibit 4 of Executive Order VR-203</li> <li>• Exhibit 7 of Executive Order VR-203</li> <li>• Exhibit 13 of Executive Order VR-203</li> <li>• Record findings in GDF Owner/Operator Maintenance Log.</li> </ul>