

ISD Alarm Troubleshooting Summary

Displayed Message	ISD Monitoring Category	Light Indicator	Description	Suggested Troubleshooting ¹
ISD VAPOR LEAKAGE WARN	Containment	Yellow	Containment system leaks at 2 times the TP-201.3 standard.	<ul style="list-style-type: none"> • Troubleshooting Guide found at www.vsthose.com • Exhibit 4
ISD VAPOR LEAKAGE FAIL ²	Containment	Red	8 th Consecutive Failure of Pressure Integrity (Vapor Leak) Test	
ISD GROSS PRESSURE WARN	Containment	Yellow	95 th percentile of 7-days' ullage pressure exceeds 1.3 IWC.	<ul style="list-style-type: none"> • Troubleshooting Guide found at www.vsthose.com • Exhibit 10 • Exhibit 9
ISD GROSS PRESSURE FAIL ²	Containment	Red	8 th Consecutive Failure of Gross Containment Pressure Test	
ISD DEGRD PRESSURE WARN	Containment	Yellow	75 th percentile of 30-days' ullage pressure exceeds 0.3 IWC.	
ISD DEGRD PRESSURE FAIL ²	Containment	Red	31 st Consecutive Failure of Degradation Pressure Test	
FLOW COLLECT WARN	Collection	Yellow	Vapor collection flow performance is less than 50%.	<ul style="list-style-type: none"> • Troubleshooting Guide found at www.vsthose.com. • Exhibit 5 • Exhibit 6 • Exhibit 17
FLOW COLLECT FAIL ²	Collection	Red	2 nd Consecutive Failure of Vapor Collection Flow Performance Monitoring Test	
ISD VP STATUS WARN ^{4,5,6}	Processor	Yellow	Failure of Vapor Processor Effluent Emissions or Duty Cycle test.	<ul style="list-style-type: none"> • Troubleshooting Guide found at www.vsthose.com. • VP Emission Test • VP Duty Cycle Test
ISD VP STATUS FAIL ^{2,4,5,6}	Processor	Red	2 nd Consecutive Failure of Vapor Processor Status test.	

Displayed Message	ISD Monitoring Category	Light Indicator	Description	Suggested Troubleshooting ¹
VP EMISSION WARN ^{3,4,5,6}	Processor	Yellow	Mass emission exceeded the certified threshold.	<ul style="list-style-type: none"> • Troubleshooting Guide found at www.vsthose.com. • Exhibit 8 • Exhibit 9 • Exhibit 11
VP EMISSION FAIL ^{3,4,5,6,7}	Processor	Red	2 nd Consecutive Mass emission test failure.	
VP DUTY CYCLE WARN ^{3,4}	Processor	Yellow	Duty cycle exceeds 18 hours per day Or 75% of 24 hours.	<ul style="list-style-type: none"> • Troubleshooting Guide found at www.vsthose.com. • PMC Setup Procedure • Exhibit 10 • Exhibit 9 • Exhibit 4
VP DUTY CYCLE FAIL ^{4,7}	Processor	Red	2 nd Consecutive Duty Cycle Test Failure.	
ISD SENSOR OUT WARN	Self-Test	Yellow	Failure of Sensor Self-Test	<ul style="list-style-type: none"> • Confirm ISD sensor & module installation / communication per VR 204 IOM Section 12, Chapter 2
ISD SENSOR OUT FAIL	Self-Test	Red	8 th Consecutive Failure of Sensor Self-Test	
ISD SETUP WARN	Self-Test	Yellow	Failure of Setup Test	<ul style="list-style-type: none"> • Confirm EVR/ISD programming per VR 204 IOM Section 12
ISD SETUP FAIL ²	Self-Test	Red	8 th Consecutive Failure of Setup Test	

¹See ISD Troubleshooting Manual P/N 577013-819 and the VST ISD Troubleshooting Guide 9513-003 found at www.vsthose.com for a complete list of suggestions.

²ISD Shut Down Alarms – see “Site Re-Enable” on page 12-39

³This warning will result in an ISD VP Status Warn

⁴VST ECS Membrane Processor.

⁵Veeder-Root Polisher

⁶VST Green Machine

⁷This failure will result in an ISD VP Status Fail.

Wireless Related Sensor Alarm (if wireless Veeder-Root Vapor Polisher or flow meter is installed)

Displayed Message	Device	Light Indicator	Description	Suggested Troubleshooting
Battery Warning	Vapor Valve, Vapor Flow Meter	Yellow	Device transmitter reports battery status as "Replace" for 24 hours.	Remove and replace battery.