



Tech Talk

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ISD Troubleshooting on the TLS-450

Back to Basics – ISD Alarm Troubleshooting

With the Veeder-Root TLS-450 upgrade going in across California, some of the troubleshooting serial codes will no longer work.

Remember these tips when troubleshooting:

- Always check **ALL** hanging hardware on the dispenser when troubleshooting a Flow Collect Alarm on balance systems. It's possible for leaks on either side can cause Warnings/Alarms in a fueling position.
- Always check the Leak Rate calculated by the ISD. If you are troubleshooting a Flow Collect warning with a significant leak rate on the site, the site vapor leak could be the culprit. Don't automatically assume it is the hose or nozzle. I **HIGHLY** recommend removing the hanging hardware and leak test the full assemblies on both sides.
- Vapor flow meter movement is still a great way to check for dispenser/hanging hardware leaks, that functionality still exists in the TLS-450.
- Don't overlook the P/V vent on Vapor leak warning. P/V Valves are common leak points. I recommend testing/ isolating P/V, when possible, to confirm P/V status.
- Use higher pressure decays to locate hard to find leaks.
- The new VST EVR P/V can be isolated and tested in place. Use the VST testing tool, VST-TIP-200, with the tank isolation nut to isolate the P/V for easy testing.

VST Mission

To design and manufacture innovative products for retail refueling systems that are specifically engineered to protect the environment and consumers with safety and reliability.

VST Values

- R:** Respect Employees, Customers, Vendors, and Environment
- O:** Operational Excellence, Quality, Delivery, Safety & Cost
- I:** Innovative Passion, Unique, Industry Leader, and Committed to Excellence

VST Vision

VST strives to become the most trusted company in the global gasoline dispensing industry by manufacturing environmentally sustainable products and solutions that reduce harmful vapor emissions to create a future that protects the communities in which people live and work every day.