



The ! Voice

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EVR Tips & Tricks

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ISD Negative V/L Results

One question I've been asked quite a few times is why technicians are seeing negative vapor collection results on balance ISD reports.

Some in the industry have claimed that negative V/L's were showing the existence of vapor leakage during fueling events on balance systems, even though you don't see this phenomenon on an assist site. That makes sense, except for the fact that balance sites also run at a vacuum, and air doesn't leak in; it leaks out.

The reality is that the flow of fuel into the fill neck of the vehicle contains air bubbles.

Air bubbles are captured in the fuel stream and go into the vehicles fuel tank, just like the current of a river. ORVR vehicles fill necks are basically a one-way device, fuel goes in, but air/vapor won't come out. This containment of air and vapor creates a vacuum at the interface area between nozzle and vehicle.

This vacuum just proves that our nozzle front end works and seals well.

So expect to see some negative V/L results on your ISD reports; it's completely normal.

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.