



EVR Tips & Tricks

Doug Harty, Sr. Application Manager, VST (harty@vsthose.com)

Maximizing Nozzle Flow Rates on Balance Systems

PROBLEM: Low Flow Rates

While helping a site try to get higher flow rates, we looked at their STP controllers, piping layout, and dispensers.

SOLUTION: Larger Fuel Filters

We discovered how much of a difference a larger fuel filter can make.

After switching to a larger size filter, the site went from 7.8-8.5 GPM to 8.4-9.4 GPM.

The larger filters also maintained higher flow rates for a couple months on the same filters, compared to monthly filter replacements.

Here are some examples of the larger fuel filters options. These filters are around 8" tall compared to 5 1/3" filters I usually see.

More filter media surface area makes for better flow rates.



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.