



# The ! Voice



## 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.

## ENVIRO-LOC™ ECO Dripless/Spitless Nozzles

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VST was an early innovator of the ECO Dripless/Spitless nozzle technology.

The California Air Resource Board (CARB) initiated this specification requirement for Vapor Recovery nozzles when they introduced their standards for Enhanced Vapor Recovery (EVR) in the early 2000's. The intent was to reduce fuel spillage that in turn would reduce the amount of fugitive Volatile Organic Compounds (VOCs) released to atmosphere, as well as create a cleaner forecourt.

Fuel nozzle manufacturers were challenged to develop this new type of product which had never been made before. VST embraced this challenge and was the first company to introduce an EVR ECO Dripless/Spitless Phase II Balance nozzle to the marketplace. It exceeded the requirements of the standard. (See Below Chart)

| Nozzle Category  | Current USA Standards               | CARB EVR Requirement                 | VST EVR Nozzle CARB Test Results      |
|------------------|-------------------------------------|--------------------------------------|---------------------------------------|
| Liquid Retention | No known standard                   | ≤ 100 ml per 1,000 gal. dispensed    | Zero                                  |
| Spillage         | ≤ 0.70 lbs. per 1000 gal. dispensed | ≤ 0.24 lbs. per 1,000 gal. dispensed | < 0.003 lbs. per 1,000 gal. dispensed |
| Spitting         | No known standard                   | ≤ 1.0 ml per refueling               | Zero                                  |
| Drops/Refueling  | No known standard                   | ** ≤ 3 drops per refueling           | ** ≤ 1 drop per refueling             |

\*\* indicates that this was included in the spillage totals

In addition, VST is the ONLY manufacturer to include a patented safety interlock mechanism designed to be inoperable when the safety interlock becomes damaged, thus protecting against errant spills.



VST has gone on to utilize this environmentally friendly technology by expanding our product offering to include ECO Dripless/Spitless nozzles for conventional gasoline and retail diesel dispensing applications. The benefits of this technology have led to multiple states incorporating these unique gasoline nozzles into their regulatory requirements...i.e., California, New Jersey, and Washington with others joining soon.



## 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.

