


# Vapor Systems Technologies, Inc. Balance Vapor Recovery Systems

## VST Warranty Tracking

- VST products are warranted to be free from defect in material and workmanship. Liability under any expressed or implied warranty is limited to replacement of the product.
- All VST products carry VST's individual serial numbers for easy tracking.



**Vapor Systems Technologies, Inc.**  
Phone: (937) 228-4673 Fax: (937) 228-8773  
www.vsthose.com

12 month warranty becomes effective at time of installation. If the card is not returned, warranty becomes effective from date of shipment from VST.

The maximum warranty life is 18 months from date of shipment.

Please call VST if this hose is being used as a replacement. Replacement with a non VST product voids any warranty.

SERIAL NO. \_\_\_\_\_

DISTRIBUTOR NAME: \_\_\_\_\_

INSTALLATION DATE: \_\_\_\_\_

INSTALLATION SITE: \_\_\_\_\_

**Return Warranty Card and the  
12 Month Warranty  
is from Date of Installation  
(Maximum 18 Months from  
Date of Shipment)**

## Balance Vapor Recovery Hose

- The built-in permanent double swivels offer superior handling and less flex stressing on the hose which translates into longer service life.
- Available as Standard Balance Coaxial style, Variable Design Venturi (VDV) style, and outer hose only. Field replaceable outer hoses reduces maintenance expenses.
- All assemblies are UL listed.



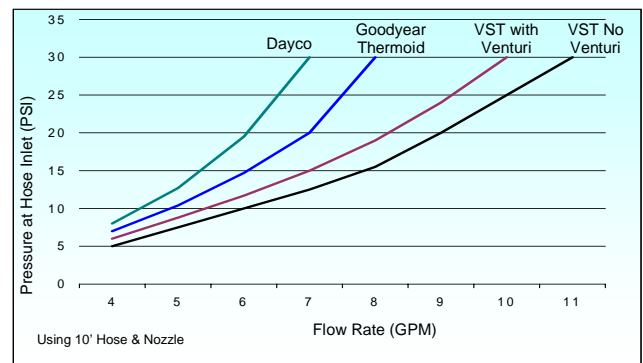
## Balance Coaxial Hose Specifications

- **Inner Hose** - Special formulated nitrile tube material offers superior chemical resistance. It will not stiffen, harden or flex crack when exposed to most known grades of gasoline. Superior resistance to wet dry applications that are normal in balance systems.
- **Reinforcement** - High tensile strength wire braid construction provides maximum coupling retention.
- **Retaining Clip** - Special "spider" design simplifies change over as no tools are required to replace the outer hose.
- **Outer Hose** - Resistant to all grades of gasoline, including oxygenated fuels containing MTBE and Ethanol.

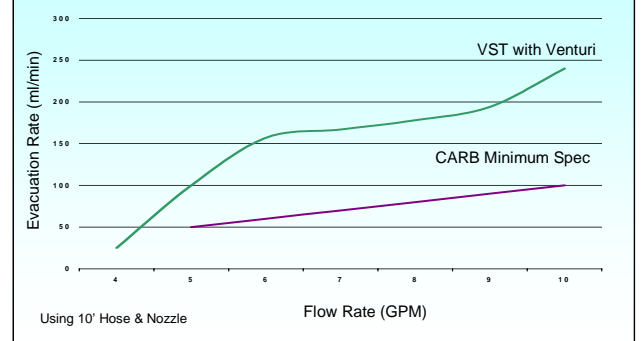
## High Flow Variable Design Venturi—VDV

- Venturi is a device that creates a vacuum in a fuel line by constricting the fuel flow. The suction is used to extract condensation and excess fuel from the vapor line by means of a pick up tubing.
- VST's venturi flow sensor opens and closes venturi with changes in line pressure. This unique design provides the industries highest flow rates, 15% to 30%, higher than competitive designs.
- All fixed venturi designs must exceed a minimum flow rate before they will function. VST's variable design compensates for low flow applications, thereby, exceeding the CARB requirements for all flow rates.
- VST's VDV is the only venturi hose to meet CARB's requirements for low flow evacuation of 50 ml at 5 GPM flow rate.
- The combined advantages of the VDV's higher flow rate and improved evacuation provide for significantly increased dispenser efficiency in balance systems.

VST's VDV Venturi Hose Flow Rate Comparison



VST's VDV Venturi Hose Performance Comparison



**CARB  
Certified**

Listed Products

650 Pleasant Valley Dr. Springboro, OH 45066  
www.vsthose.com

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