



## VAPOR TIGHT RELIEF VALVES PRESSURE/VACUUM RELIEF FOR THE ENVIRONMENT



# TECHNOLOGY AND DESIGN FROM TOMORROW RESPONDING TO TODAY'S RESPONSABILITIES

Introducing the FAV Systems Inc. Pressure/Vacuum Relief Valve - a truly unique product for vapor control. The heart of this product is a unique seal called the counter force, pressure suspended valve sealing assembly. This sealing assembly affords the lowest leak rate in the industry while also improving set point crispness and accuracy, also extending the life expectancy due to the air cushioned ride of the counter force pressure suspended valve assembly. What does all this mean? SAVINGS! Savings on product loss, savings on blanketing gas costs, savings on maintenance and rebuilding costs. With our bolt in stainless steel seat design, valves can be serviced in position in many applications. It is faster to change out the seat than it is to remove the whole valve and take it to repair shop. This user friendly concepts keeps your equipment operating efficiently and also reduces air pollution which benefits everyone.

**Shown below are examples of a few products FAV Systems Inc.  
Can supply for your application.**



Vacuum Only



Pressure Only 14 PSI



PRESSURE ONLY 1/2 Oz.



PRESSURE/VACUUM PIPE AWAY



RIGHT SIDE  
THIEF HATCH



GAUGE HATCH



EMERGENCY PRESSURE RELIEF



PRESSURE/VACUUM TO ATMOSPHERE

**SPECIALIZED IN PREVENTING FUGITIVE EMISSIONS**

Contact: 1 (956) 589 8832

[www.favsystems.com](http://www.favsystems.com)

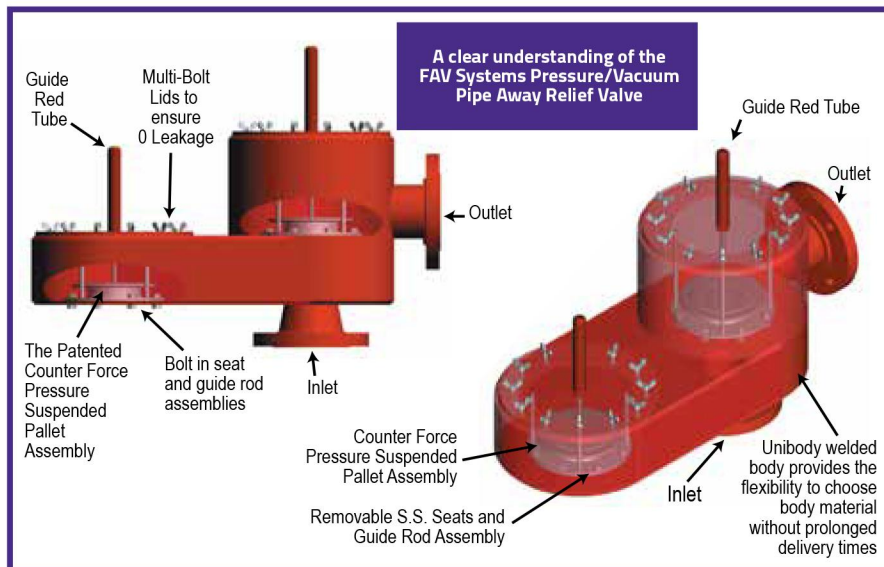


# VAPOR TIGHT RELIEF VALVES

## PRESSURE/VACUUM RELIEF FOR THE ENVIRONMENT



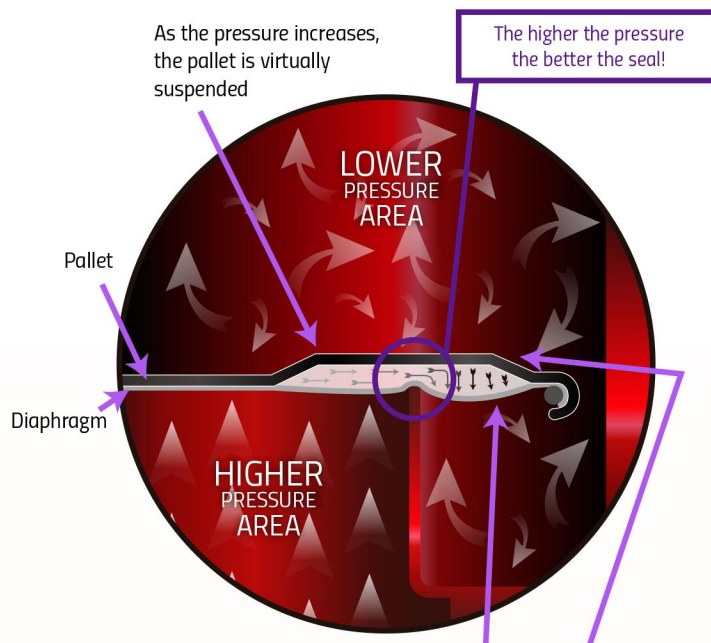
The FAV Systems Inc. Vapor Tight Relief Valves are an end of line or inline design that protects your storage tanks from over pressure or vacuum while filling, emptying, expansion or contraction. FAV Systems valves relieve the over pressure gases into the weather hood or pipe away lines, where it dissipates or is transferred to disposal process. The dead weight design insures accuracy and repeatability of set points. Normal set points 1/2 oz. For set points above 1/2 oz to 2 PSI, please consult factory. Before ordering, please review ordering data sheet to ensure that you receive the required product. for your application, or for general information, contact our factory for assistance.



The FAV Systems Inc. Counter Force Pressure Suspended Pallet Assembly has proven to set new standards in high percentage of set point versus minimal leak rate. We have achieved what we believe is the best achievable low leak rate for a dead-weight valve. Using a 6" mid-sized valve complete with the counter force pressure Suspended pallet set at .525 oz./pressure, the required flow of .5 scfh of flow to maintain 98% of .525 oz FAV Systems has received independent verification of these leak rates. For more information, contact us at 1 877 264 1050.

### FAV Systems Vapor Tight Relief Valves

- To Atmosphere - sizes 2" to 12"
- Pipe-Away - sizes 2" to 12"
- Pressure Only - sizes 2" to 12"
- Vacuum Only - sizes 2" to 12"
- High Pressure Only up to 14 psi - sizes 2" to 4"
- High Pressure Low Vacuum to Atmosphere - sizes 2" to 4"
- High Pressure Low Vacuum Pipe-Away - sizes 2" to 4"
- High Pressure Pop Valve Threaded - sizes 2" to 4"
- High Pressure Pop Valve Flanged - sizes 2" to 4"
- Bolt-On Flame Arrestor elements for vacuum inlets
- Optional Flanged Spool pieces for inlet extensions
- Optional Valve Seat Material (cross reference with gas composition)
- Optional Body Materials (Carbon Steel, Aluminum, 304 S.S, 316 S.S, Hastaloy, etc.)
- Optional Valve Material (304 S.S, exotics)
- Optional Weight Material (Lead, C.S, S.S, Coated C.S.)



Pressure pushes down the diaphragm as tries to travel to the lower pressure area and applies pressure to seat.

## Fugitive Emissions can be Contained

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