



TANK ACCESORIES EXPLANATION OF PRODUCTS & USE



FAV SYSTEMS INC.

- 1. Gauge or sampling Hatch** - This product's primary purpose is to allow access into the tank to physically gauge the liquid level with a manual gauge tape or to access liquid sampling of the contained product. It can be either a lock down or weighted design that does not allow any vapor release. The lock down model allows other precisely set valves on the tank to do their jobs correctly.
- 2. Emergency Pressure Relief** - Emergency Pressure Relief valves are primarily installed on tank farms that are designed to address all safety concerns when dealing with liquid storage. The EPR's are large diameter to allow quick release of vapor flow due to high influx or due to fire and rapid heating expansion. EPR's are generally found in refineries, petrochemical plants, large storage and transfer terminals.
- 3. Pressure / Vacuum Relief Vents** - Pressure / Vacuum Relief vents are designed to be main control of vapor space pressure or vacuum in common storage tanks of all kinds. The pressure side can be configured in 2 ways. One way is called the pipe-away design. This design is totally sealed and has a common flange connection that can be piped into a vapor transfer or vapor recovery line so that any vapors that are released can be disposed of without being released into the atmosphere. The second configuration is called atmosphere. This configuration does release vapors directly into the atmosphere through a weather hood. Generally the vapors being emitted are less hazardous to the environment. Both designs are equipped with a vacuum relief vent to prevent imploding of tanks during contraction or extraction conditions.
- 4. Blanket Gas Supply Manifold** - The supply manifold is a manifold to deliver supplemental make-up gas to the vapor space when it becomes depleted or under a given set point. It basically consists of a pressure regulator to control pneumatic pressures and an actuated valve to open and close the makeup gas line. A number of pneumatic valves can be used for this application. The customer can choose their preferred valve.
- 5. The ACCU-Set Blanket Gas Controller** - The Accu-Set Gas Controller is a precisely set pressure controller that can be adjusted down to pressures or vacuums of 1/4" W.C. The controller is a diaphragm design that converts pressure per square inch into force. The force actuates a micro-valve that controls the pneumatic control valves on the Blanket Gas Supply Manifold. This method is very accurate and repeatable. Also the pressure settings on the ACCU-Set Controller are done by dead weights which are very accurate, repeatable and are not affected by ambient temperatures. Once you install the ACCU-Set Controller you can rely on your pressure setting to be correct. The ACCU-Set Controller can be used with valves for pressure or vacuum relief and will operate any pneumatic valve.
- 6. Stays Tight Gauge Cable Seal** - The Stays Tight Gauge Cable Seal allows external indication of fluid level without vapor loss. The Stainless Steel and Viton internal seals allow the cable to feed in and out without binding or vapor loss. Optional tank heights, body materials and tank installation configurations are available upon request.

SPECIALIZED IN PREVENTING FUGITIVE EMISSIONS

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