



ERL COMMERCIAL MARINE, INC.

AMERICA'S LEADING TANK BARGE EQUIPMENT PROVIDER

6" HIGH VELOCITY P-V VALVE

QUIET AUTOMATIC OPERATION

The PV-6 II valve has all of the proven design characteristics that have made the original PV-6 valve so reliable. In addition to quiet automatic operation, the vacuum side of the PV-6 II valve has 30% fewer parts, increased flow rate and a 16° angled housing to allow positive drainage of any cargo condensation.

SIMPLE WEIGHT OPERATED DESIGN

Our weight operated design doesn't suffer from the performance variations caused by spring deterioration or the increased friction between internal guide stems and bushings common with friction-type designs. All operating mechanisms are located outside of the vapor stream eliminates the possibility of valve sticking due to product or contaminant build-up. Also the vacuum side of the valve is angled for positive drainage of cargo condensation back into the vapor header.

SET POINT REPEATABILITY 3%

Unique low friction design utilizes sealed stainless steel roller bearings outside of the vapor exhaust stream allowing the valve to open repeatedly within 3% of factory stated set opening point. Two easily reached test handles, as required by law, allow for easy testing.

100% STAINLESS STEEL

The main valve body is made of 1/2" thick stainless steel, with 1/4" pipe. Even the bearings and the full weather covers are stainless steel.

HIGH VELOCITY DISCHARGE

The minimum discharge velocity rate of 40 meters/second is achieved at even the lowest flow rates. The unique pressure focusing nozzle creates a columnar exhaust flow path allowing vapors to disburse well above the deck level.





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EQUATE 2.5", 4" AND 8" PV VALVE

AUTOMATIC OPERATION

Our Equate P-V Valves are designed to automatically maintain safe design working pressure and vacuum levels within your barge. Your barge remains closed vapor tight until set point pressure or vacuum overcomes the force of each respective set point spring, allowing vapor flow out or air flow in, at a rate sufficient to maintain safe levels within your barge.

SIMPLER DESIGN

Having very few parts, the Equate P-V valve is spring operated with one spring to determine the pressure set opening point and the second spring to determine the vacuum set opening point. A manual test handle allows the tankerman to check operation of both the pressure and vacuum sides of the valve. Both the test handle and valve weather covers are easily removed allowing complete valve inspection in minutes. Easy to replace elastomer seals, one pressure and one vacuum seal insure vapor tightness.

100% STAINLESS STEEL

All components are 300 series stainless steel for extended service life and reduce need for maintenance. The resilient pressure and vacuum seals are the only parts that are not stainless steel.

CERTIFIED TO MEET ALL USCG REQUIREMENTS

Every Equate P-V Valve is 100% factory tested prior to shipment and is USCG Approved.

