

VE² System

Vapor Elimination System



The VE² System

The VE² vapor elimination system is designed for use in metering applications where air or vapor is present. The system removes these gases by venting through a return line to the supply tank. Once vapor has been eliminated, liquid delivery actuates automatically, preventing incorrect measurement.

The VE² system is designed for 20 to 100 gpm flow range applications. All components comply with Underwriters Laboratories requirements and are U.L. Recognized.



The Liqua-Tech Difference

For over 15 years, Liqua-Tech Corporation has been an internationally recognized leader in the design and manufacture of top-quality LP-gas and NH₃ flow meters and replacement parts. Liqua-Tech currently produces complete 3/4", 1" and 2" meters and 3/4" through 2" replacement parts. 100% inspection on all metering components ensures that every product manufactured by Liqua-Tech Corporation conforms to exact tolerances.

Primary Features

Ductile Iron Construction

The VE² system utilizes durable, resilient ductile iron housings, increasing material stability and reducing inlet/outlet flange cracking. An additional advantage of ductile iron construction is resistance to thread stripping, a common problem in routine maintenance on aluminum meters.

Soft-Seat Differential Valve

Liqua-Tech's innovative soft-seat differential valve incorporates an o-ring to metal seat for a positive seal. The standard metal-to-metal seating of other models is prone to leakage. The components of the VE² system are designed to be completely compatible with the Neptune Type 4D-MT 2" flowmeter, both in external dimensions and internal parts.

Warranty

The VE² system is warranted against defects in material or workmanship under normal use for a period of eighteen (18) months from date of shipment or twelve (12) months from date of installation, whichever comes first.

Neptune and Schlumberger are registered trademarks of Schlumberger Industries. Liqua-Tech is an unaffiliated manufacturer of replacement parts for Neptune flowmeters.

Specifications

Connections	Inlet	Outlet
Vapor Eliminator	2" FNPT	150 lb. ANSI*
Differential Valve	150 lb. ANSI*	1½" or 2" NPT

*Flat face, no o-ring groove

Materials

Housings Ductile Iron
O-rings & seals Buna-N

Strainer: 84 mesh stainless steel (16-, 40- and 60-mesh available)

Working Pressure: 350 psi (24 bar) maximum (24.6 kg/cm²)

Vapor Eliminator Tower Capacity: 6.25 liters

Temperature Range: -10° F to 125° F (-23° C to 52° C).

Shipping Weights

Vapor Eliminator 69 lbs.

Differential Valve 30 lbs.