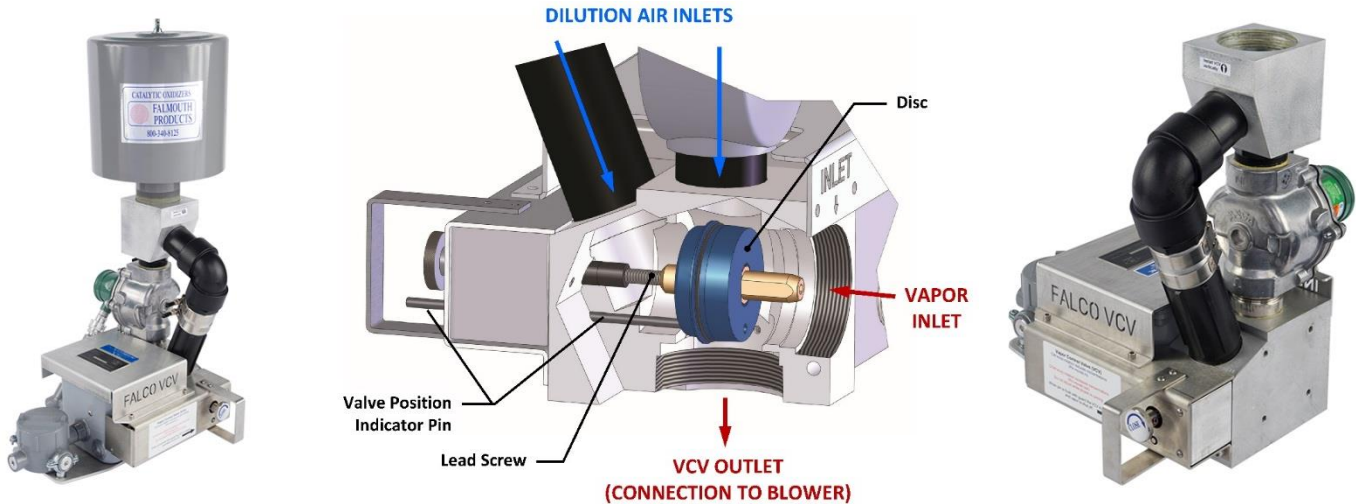


## *FALCO 100/300 Vapor Control Valve (VCV)*



Falmouth Products Vapor Control Valve (VCV) is installed inline on the vacuum side of the extraction blower. The VCV enables the FALCO to start up, operate automatically, and cooperate with the temperature controllers to regulate input vapors. The VCV minimizes power use by accurately maintaining maximum input concentration consistent with the heat recovery adjustment.

The VCV includes a valve body with two valve seats, valve disc, and a gear motor. The motor progressively opens and closes the valve in response to input from the oxidizer's three temperature controllers. The valve simultaneously regulates dilution air and source vapors by positioning the valve disc. Controller rate alarms regulate how quickly the VCV introduces vapors. A solenoid valve provides rapid introduction of dilution air, regardless of valve position. The VCV automatically returns to its closed position each time FALCO power is cycled.

- Provides precise vapor control in Soil Vapor Extraction (SVE) applications.
- Third Party Approval for use in Class 1, Division 2, Group D, T3C hazardous locations
- Valve body, dilution tee, mounting bracket, and top cover are fabricated from 6061 T6 aluminum. The belt guard and lead screw are 304 stainless steel
- Weatherproof design for continuous outdoor operation includes valve body heater and Delrin valve disc to prevent ice buildup
- ACME thread lead screw provides low friction and long life
- Indicator pin shows valve position, knob shows direction of motion
- Terminal blocks allow straightforward field wiring to FALCO
- 3" Dilution air filter
- Explosion proof 2" solenoid valve for rapid introduction of dilution air.
- Aluminum bracket for mounting on fence or wall
- Low pressure drop (3" H<sub>2</sub>O @ 300 CFM)
- Weight 50 lbs. Height 33", Width 14.5", Length 21"

# **FALCO**

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