

# ***FALCO 100 SPECIFICATIONS***



The FALCO 100 electric catalytic oxidizer treats air streams contaminated with volatile organic compounds. The catalyst provides VOC destruction efficiencies up to 99%. Startup is fully automatic. Controllers accurately regulate input loading and temperatures.

The controls adjust a FALCO Vapor Control Valve (VCV) to maintain safe maximum input concentration. Automatic shutdown results if temperatures exceed limits.

A shell and tube heat exchanger provides efficient heat recovery and a bypass valve allows adjustment of heat recovery. High heat recovery minimizes energy use during operation at low input vapor concentration. Low heat recovery enables operation at high vapor concentration.

This compact unit fits into small spaces, making it especially well suited for soil vapor extraction. The economical and durable FALCO 100 integrates with a wide variety of vapor extraction systems and is easily moved from site to site and permitted.

The FALCO 100 has been installed at over one thousand remediation sites Globally since 1990.



- **CAPACITY** 40-120 CFM
- **MAXIMUM INPUT LOADING** 2,200 ppmv for petroleum hydrocarbons.
- **DESTRUCTION EFFICIENCY** Up to 99%
- **CATALYST TEMPERATURE RANGE** 330-620°C (626-1148°F)
- **CATALYST** Monolithic. Precious metal
- **HEAT EXCHANGER** Stainless steel shell and tube. 67% efficient (adjustable)
- **HEATER (Electric)** 30.5 amp @ 240 single phase (7.3 kW). Solid State control.
- **WEIGHT** 325 lb. Easily transported
- **CONSTRUCTION** 304 stainless steel and aluminum
- **DIMENSIONS** 6'8" high X 50" long X 24" wide
- **POWER REQUIREMENTS** 7.3 kW, 240VAC 1 phase: Heater 30.5 amp, Controls 3 amp
- **APPROVALS** System is Factory Mutual approved for use in hazardous locations.

South Coast Air Quality Management District (SCAQMD)  
Certified Equipment Permit.