

FALCO 600 SPECIFICATIONS



The FALCO 600 electric catalytic oxidizer treats air streams contaminated with volatile organic compounds. 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 concentrations. Automatic shutdown results if temperatures exceed limits.

The FALCO 600 has an efficient heat exchanger. A bypass valve allows for adjustment of heat recovery. Low heat recovery enables operation at high vapor concentration. High heat recovery minimizes energy use during operation at low concentration. At 850 ppmv (gasoline) and 600 scfm, sufficient heat is recovered to preheat the inflow without supplementary electric energy.

The FALCO 600 has a massive catalyst volume for its rated capacity, providing longer life and poison resistance than monolith type catalysts. The heat exchanger, heaters, and catalyst are integrated into a compact system which is easily installed and operated.



- **CAPACITY** 250-700 CFM
- **MAXIMUM INPUT LOADING** 500 lb/day petroleum hydrocarbons @ 700 CFM
- **DESTRUCTION EFFICIENCY** Up to 99.5%
- **CATALYST TEMPERATURE RANGE** 330-620°C (626-1148°F)
- **CATALYST** Packed bed 5 cubic feet. Precious metal on 1/8" ceramic beads is standard. Other catalysts are available
- **HEAT EXCHANGER** 304 stainless steel spiral plate. 71% efficient at 600 scfm.
- **HEATER (Electric)** 75 amp @ 208 volts (27 kW) or, 86.7 amp @ 240 volts (36 kW) or, 43 amps @ 480 volts (36 kW)
- **WEIGHT** 1,400 lb. with flame arrestor.
- **CONSTRUCTION** 304 stainless steel heat exchanger and vessel. Powder coated steel frame.
- **DIMENSIONS** 87" high (excluding 5' stack) X 78" long X 40" wide Fits in the back of a pick-up truck.
- **POWER REQUIREMENTS** Heater- 3 phase 208-240 Volt, Optional 480 Volts Controls-120 Volts
- **APPROVALS** System is FM Approved for use in Hazardous Locations.