



100 CFM MAKOTHERM (MV)

THERMAL-CATALYTIC OXIDIZER / MEDIUM VACUUM SYSTEM

1270 N Red Gum St., Anaheim, CA 92806 - 714-630-4491 - www.makoindustries.us

The 100 CFM Makotherm (MV) is an industrial-duty thermal-catalytic oxidation system engineered for dependable vapor extraction and high-efficiency VOC destruction. Its compact skid-mounted design combines robust construction, precise digital controls and field-proven components for reliable operation in demanding remediation applications.

STANDARD FEATURES

- Compact skid-mounted design
- Entrained-liquid separator
- Dilution and process control valves
- Stainless-steel transfer pump
- Positive-displacement blower
- Blower recirculation valve
- 5 HP TEFC motor
- Acoustical sound enclosure
- Oxidizer chamber
- Excess-air packaged burner
- Supplemental fuel train
- Flame arrestor
- Digital temperature controller
- Digital dilution controller
- Pitot tube with pressure transmitter
- Digital chart recorder



AVAILABLE OPTIONS

Trailer-mounted configuration • Stainless-steel heat exchanger • Platinum-coated catalyst cell • Remote telemetry • Fully enclosed system • Single-phase electrical configuration • UL-listed electrical enclosure E306379

STANDARD PERFORMANCE SPECIFICATIONS

SKID DIMENSIONS

5 ft W x 5 ft L x 13 ft H

CONSTRUCTION

3/16 in heavy-duty steel throughout

ELECTRICAL - 3 PHASE

208/240 V, 30 A

ELECTRICAL - 1 PHASE

208/240 V, 50 A

FUEL REQUIREMENT

LPG or natural gas; 5 PSI; 150 SCFH

PROCESS CAPACITY

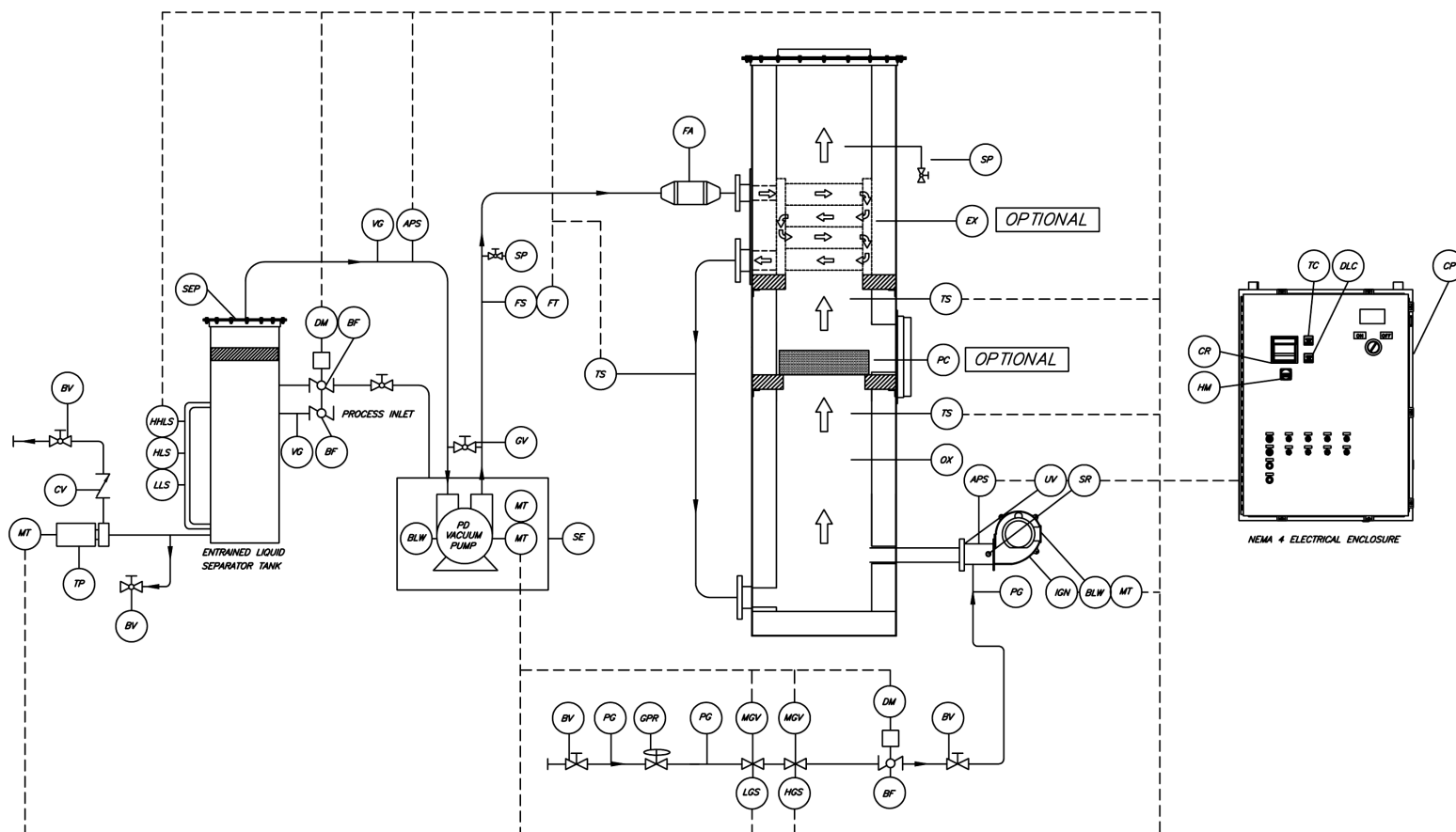
100 CFM; vacuum up to 12 in. Hg

MAXIMUM VOC LOADING

15,000 PPMV

DESTRUCTION EFFICIENCY

98%+



MAKO INDUSTRIES

THERMAL-CATALYTIC OXIDIZER

PROCESS INSTRUMENTATION DRAWING

DATE:
9/15/08

FILE:
100 Makotherm.PID

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