



Enviro-Equipment Inc.
10120 Industrial Drive
Pineville NC 28134

Serial#: EEI-1274

Date: 11/10/2014

Status: in stock

Dimensions: 10' long x 6' wide x 7' tall (without stack), approx. 2,500lbs

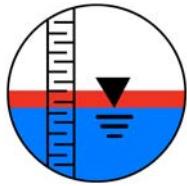
Description: Thermtech VAC 50 Thermal Oxidizer Skid – 500 CFM – Wired 480V





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MINUTE AUTOMATIC PURGE CYCLE IS COMPLETE.

PURGE CYCLE ALLOWS FOR A MINIMUM OF 6

ENCLOSURE VOLUMES OF PURGE AIR.

THERMTECH, INC.

480VAC. 3PH. 60HZ

SYSTEM FLA 3.7 AMPS

SN II50II02

VAC50

LARGEST MOTOR 2 HP

REF DWG #II50ELE

VAC 50

GENERAL DATA

* unit design flow rate	500 SCFM
* burners maximum output	1.5 mmBTU/hr
* system design BTU	1.2 mmBTU/hr
* burner turndown ratio	20 to 1
* combustion blower motor size	1 HP
* combustion chamber volume	45 ft ³
* stack flow area	1 ft ²
* skid dimensions	67" x 136"
* velocity through 4" process inlet	47.7 ft/sec
@ 250 SCFM from process stream	95.5 ft/sec
@ 500 SCFM from process stream	

THERMAL DATA

* combustion blower flow rate at system rating (10% excess air)	220 SCFM
* total exhaust flow rate @ 1400°F	2520 ACFM
* burner chamber volume required for 0.5 second retention time @ 1400°F	21.0 ft ³
* burner chamber volume required for 1.0 second retention time @ 1500°F	32.0 ft ³
* stack velocity @ 1400°F	21.0 ft/sec
@ 250 SCFM from process stream	42.0 ft/sec
@ 500 SCFM from process stream	2500 lbs
* estimated weight, thermal unit only	

CATALYTIC DATA

* combustion blower flow rate at system rating (10% excess air)	64 SCFM
* total exhaust flow rate @ 600°F	1122 ACFM
* catalyst volume for 95% DRE	0.81 ft ³
* minimum inlet temperature	600°F
* minimum effluent temperature	750°F
* maximum VOC concentrations	25% of the LEL
* maximum effluent temperature	1250°F
* stack velocity @ 600°F	9.4 ft/sec
@ 250 SCFM from process stream	18.7 ft/sec
@ 500 SCFM from process stream	
* estimated weight, thermal unit plus catalytic module (95% destruction)	2700 lbs

* The above data is typical design criteria. Specific job/unit information can be obtained by end user from ThermTech, Inc..