



Enclosed Combustor - High Volume - 84" x 32' x 53 MMBTU/HR

ECD84HV

Data	Parameter
Size	84" OD x 32'
Capacity (Third Party Verified)	500 MSCFD @ 10 oz/in using SG 1.52/2500 BTU/SCF
Heat Duty Rating	53 MMBTU/HR Max
Burner Size	Staged combustion with Removable Trays
Stack	Insulated
Stack Internal Operating Temperature	1500-1700°F
Inlet Temp	-20-1200°F
Pressure Rating	Atmospheric
Electrical Classification	Non-Hazardous
Wind Load	90 mph 3sec Wind Gust per ASCE 7-05
Estimated Weight (No Concrete Block):	14,900 lbs

Connection Schedule	QTY	Size	Type
Maintenance Access	1	8"	Pipe
Waste Gas Inlet 'A'	1	3"	NPT
Waste Gas Inlet 'B'	1	3"	NPT
Burner Ignition Gas Inlet	1	1"	NPT
Pilot Inlet 'A'	1	1"	NPT
Pilot Inlet 'B'	1	1"	NPT
Spare	2	1"	NPT
Pilot	1	1"	NPT
Sight Glass	2	3"	NPT

Paint

External Default Color: Noble Tan unless other color chosen as option

Notes

Pilot Consumption: Propane: 15 SCFH @ 4 psig, Natural Gas: 30 SCFH @ 8 - 10 psig (per ignitor)

98%+ DRE when operating within flow rate guidelines and stated process sizing parameters.

Multi-directional solar mount ready.

Carbon steel structure with 84" Stainless Steel Bird Screen. Dual Pilot Flameco Pilot & 1" SS Pilot Tube.

Structure certified per ASCE 7-05 & IBC 2006 stds (pre-mounted concrete base required for compliance).

High quality thermal lining on stack & upper base. Unifrax 3" 2300F Insulation. Air & Fuel Inlet flame arrestors.

Destroys Oil/Condensate production tank vapors no visible flame or smoke and excellent opacity.

Reliable & Customizable ignition. Very low capital & operating cost, easy to operate and maintain.



Accessories - Included

Description	OEM	OEM Model #	QTY
Flame cell	Generic	N/A	6
4" Flame Arrestor	Generic	N/A	2
Stainless Steel Burner Jets	Generic	Generic	1
Pilot Regulator, 1/4"	Fisher	67CR-206	1
Pilot Isolation Ball Valve 1/4 STL 2000# FP	Chemoil	2027WC-02	1



