



Enclosed Combustor - High Volume - 48" x 25' x 11.7 MMBTU/HR

48" HV ECD

Data	Parameter
Size	56" Square Base x 303" OAL
Capacity (Third Party Verified)	109 MSCFD @ 10 oz/in using SG 1.52/2500 BTU/SCF
Heat Duty Rating	11.7 MMBTU/HR Max
Burner Size	90 F-90 Orifices, 28"L x 27" W
Stack	Insulated
Stack Internal Operating Temperature	800-1200°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):	4380 lbs

Connection Schedule	QTY	Size	Type
Waste Gas Inlet	1	3"	NPT
Flow Test/Automation (plugged as option)	2	2"	NPT
Stack/Burner Sight Glass	1	2"	NPT
Aux Sight Glass Location (plugged as option)	1	2"	NPT
Pilot Sight glass	1	3"	NPT
Aux Sight Glass Location (plugged as option)	1	3"	NPT
Pilot Gas In	1	1/4"	NPT
Ignitor Cable (plugged as option)	1	1/2"	NPT
Thermocouple or Automation (plugged as option)	1	1"	NPT
Automation Spare (plugged as option)	1	1/2"	NPT
Cabinet Drain (plugged as option)	1	1/2"	NPT

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

Notes
<p>Pilot Consumption: Propane: 15 SCFH @ 4 psig, Natural Gas: 30 SCFH @ 8 - 10 psig (per ignitor)</p> <p>OOOO (Quad O) Certified. >98% DRE when operating within flow rate guidelines and stated process sizing parameters.</p> <p>Meets all EPA and CDPHE Regulations. Certified USEPA 40 CFR 60, App. A, Source Emissions Test Methods.</p> <p>Multi-directional solar mount ready.</p> <p>Structure certified per ASCE 7-05 & IBC 2006 stds (pre-mounted concrete base required for compliance.</p> <p>Standard safety features: Air and fuel inlet flame arrestors plus thermal insulation.</p> <p>High quality thermal lining on stack & upper base.</p> <p>Destroys Oil/Condensate production tank vapors no visible flame or smoke and excellent opacity.</p> <p>Reliable & Customizable ignition. Very low capital & operating cost, easy to operate and maintain.</p>



Accessories - Included

Description	OEM	OEM Model #	QTY
Flame Cell	Generic	N/A	4
3" Flame Arrestor	Generic	Generic	1
Stainless Steel Burner Assembly	Generic	Generic	1
Pilot Regulator, 1/4"	Fisher	67CR-206	1
Pilot Isolation Ball Valve 1/4 STL 2000# FP	Chemoil	2027WC-02	1
8'x8'x8" Concrete Block No Anchors	Generic	SL 119524	1



