



Thermal Oxidizer For Sale



Item 106338: "As Is, Where Is"; ; Callidus Technologies; Sulfur Tail Gas Incinerator with Waste Heat Boiler; Built in 2009; System includes: H-310 Burner; TO-310 Thermal Oxidizer; SB-310 Waste Heat Boiler and SB-310.1; Steam Drum; H-310 Burner natural gas fired; max heat release 40 mm BTU/hr; min heat release: 4 mm BTU/hr; atmospheric pressure 11.4 psia; Thermal Oxidizer operational pressure 4 psig; TO-310 Thermal Oxidizer carbon steel refractory lined; 9'0" o.d. x 25'0" (tan/end); Rated 15 psig @ 650 °F; SB-310 Waste Heat Boiler Mfg by Rentech; 4922 sq. ft. heating surface; carbon steel shell and tubes; 525--2" o.d. x 21'0" lg; 74" o.d. x 28'9" o.a.l. of shell; Max steaming capacity 28, 950 LB/HR; Total heat exchanged 28.48 mm BTU/hr; SB-310.1 Steam Drum; 48" dia x 12'0" s/s; rated 361 psig @ 700 °F; carbon steel

	Normal Case	
	Lbmole/hr	Lb/hr
CO ₂	744.1	3274.77
H ₂ O	578.05	10413.77
N ₂	1490.55	41755.37
SO ₂	50.65	3245.16
SO ₃	3.03	242.91
O ₂	55.37	1771.87
Total	2921.76	90176.85

- Sour fuel gas heat release: 26.5 MMBtu/hr
- Tail gas heat release: 3.2 MMBtu/hr
- Acid gas heat release: 8.02 MMBtu/hr
- Flue gas temperature @ T.O. outlet: 1600°F
- **Emissions:** The thermal oxidizer system is designed to meet the following emissions limit based on these waste conditions:
 - TRS, lb/hr: 5.2
 - NO_x, lb/hr: 4.1



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