

Tail Gas Incinerator



Description

Hydrogen sulfide or H₂S is a lethal gas generated in refineries, petrochemical plants and gas handling and production facilities. Specifically, sulfur recovery units produce an off gas also known as tail gas that contains substantial amounts of H₂S. Tail gas is destroyed using a special type of incineration system designed to eliminate H₂S and avoid generation of corrosive acid by-products. The tail gas incineration system eliminates hydrogen sulfide while significantly reducing the impact of other environmentally offensive compounds. Thus, AEREON's Flare Industries' Tail Gas Incinerator is the perfect design solution for sulfur recovery units (SRU's).

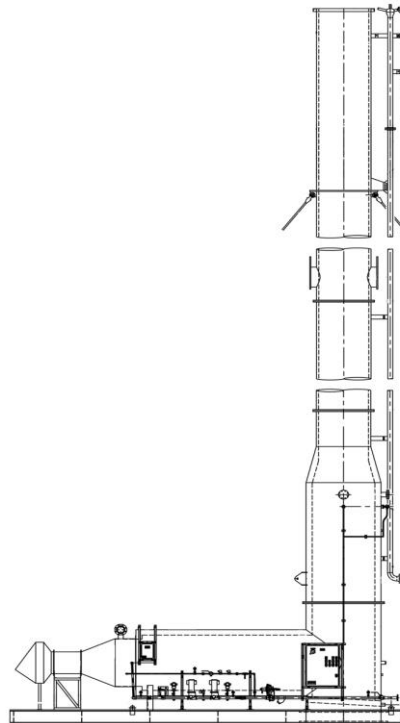
Advantages

- 99% - 99.9% Destruction of H₂S and SO³
- Tail Stacks Designed to reduce contaminant concentrations
- Avoids Formation of corrosive acid by-products
- No visible flame
- No radiation
- Low noise

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Principal Applications

- High H₂S Waste Gas Streams
- High CO₂ Waste Gas Streams



Specifications

- Connections: 150# ANSI RFSO flanges
- Connection line size: 4 inch to 48 inch
- Height: 20 feet to 250 feet
- Diameter: 36 inch to 180 inch
- Destruction Efficiency: 99% - 99.9%
- Arrangement: Vertical / Horizontal
- Air Induction: Natural Draft, Forced Draft

Design Features

- Side or bottom-mounted proprietary burner design
- Combustion or retention chamber
- PLC controlled
- Lined exhaust stack
- Refractory-lined chamber for minimal heat loss
- Rain shield to protect internals
- Optional heat recovery option to minimize fuel consumption