

ENCLOSED GROUND FLARES

ADVANTAGES

- ▶ Reduced flame visibility due to enclosed burner shroud
- ▶ Minimal noise
- ▶ Minimal heat radiation due to ceramic insulation
- ▶ Ease of emissions sampling and testing
- ▶ Extremely high destruction efficiencies
- ▶ Smokeless combustion
- ▶ Simplified control system
- ▶ Reduced stack visibility due to low profile

GENERAL DESCRIPTION

The Enclosed Ground Flare destroys a process or waste stream, but does not maintain a constant temperature while doing so. This simplifies the control scheme allowing the overall system to be less expensive. The Enclosed Ground Flare has the following advantages: reduced flame visibility, minimal heat and noise, emissions sampling ease, and smokeless combustion. Flare Industries' Enclosed Ground Flare attains extremely high destruction efficiencies by assuring the appropriate residence time. Enclosed Ground Flares may require supplemental assist gas streams depending on whether the process stream can sustain combustion.

ENCLOSED GROUND FLARE



ENCLOSED GROUND FLARES

PRINCIPLE APPLICATIONS

Refineries
 Chemical plants
 Truck loading terminals
 Marine loading facilities
 Compressor stations

DESIGN FEATURES

Extremely high destruction efficiencies
 Flare Industries' high efficiency burner design
 Forced or natural draft designs available
 Fuel efficient pilot especially designed for enclosed flares
 Temperature monitoring
 Control schemes using industry standard PLC brands
 Burner longevity due to high alloy, chemical resistant construction

SPECIFICATIONS

DIMENSIONS:

Length: 20' - 80' (6.1 - 24.2 m)
 Diameter: 36" - 240" (0.91- 6.1 m)

RADIATION LEVEL: None (no visible flame)

DESTRUCTION EFFICIENCY: 99% +

ENCLOSED GROUND FLARE

