

System Description

Our enclosed ground flare systems, which differ from conventional flaring in that they don't produce smoke and minimize noise and visible flame, burn waste gases cleanly and effectively. Thus, these units are specially utilized in urban areas where continuous open flaring cannot be tolerable.

Benefits

- Smokeless.
- Hidden Flame.
- No Thermal Radiation Outside of the Flare.
- Very Low Noise Levels.
- Minimizes Environmental Impact.
- Long Burner Life.
- Safe flaring in urban areas.
- Suitable for a large range of gas pressures.

Dimensions

Skid Dimensions:

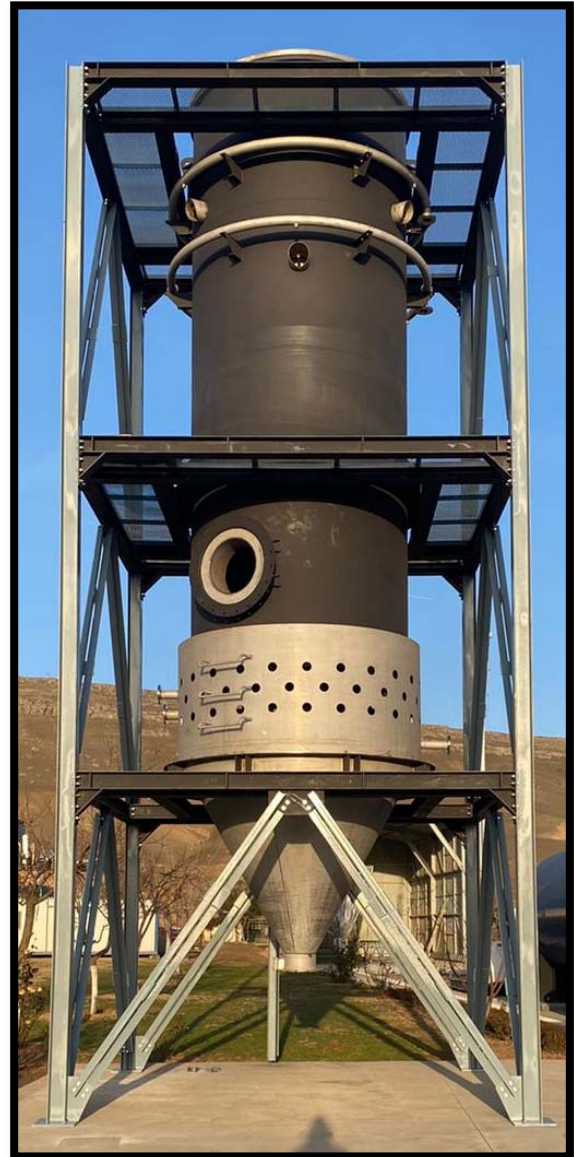
L: 4 x W: 4 x H: 9.5 meter

Combustion Section Dimensions:

Q: 2.3 x H: 7.25 meter

Total Weight:

W: 20T



Features

- High pressure water is used to control smoking.
- The temperature, inside the combustion area, is continuously monitored.
- The Combustion section consists of 3 layers. These:
 - The interior section is made from **stainless steel** material.
 - The middle section is covered with a 100 mm thick **ceramic fiber blanket**.
 - The shell is covered with **carbon steel** plates.
- Enclosed Ground Flare has 2 waste gas inlet lines, 4" and 3", to be used according to the gas flow rate.
- There is an automatic ignition system which consists of 2 Pilot Sparkling Units and 1 Control Panel.
- Propane tubes helping the initial ignition and combustion in the flare; moreover, manual and solenoid valves that control the propane sent to the ground flare.
- There are methane and hydrogen sulfide detectors and an alarm panel connected to them to ensure safe operation.



Automation System

- The water injection system and the combustion area burning quality are controlled by an automation software from the control container.

