TROYA
Energy Services

33' AUTOMATIC IGNITION FLARE SKID

SYSTEM DESCRIPTION

The Flare Stack is used to burn gas during land operations. This allows gas to be burned at a safe distance from the work area, protecting workers and the environment. Also, used in hazardous environments such as H2S.

Free Standing Elevated 33.75' flare stack skid has a remote ignition and LPG pilot line & burner.

6" flare stack has own winch to lift up and down.

Automatic ignition panel sense the presence of a flame.

Thermal sensor/reignite the pilot when the flameouts occur.

Skid dimension during rig up:

      L 3.0 x W 1.5 x H 10.3 meter.

Skid dimension during lay down or transportation:
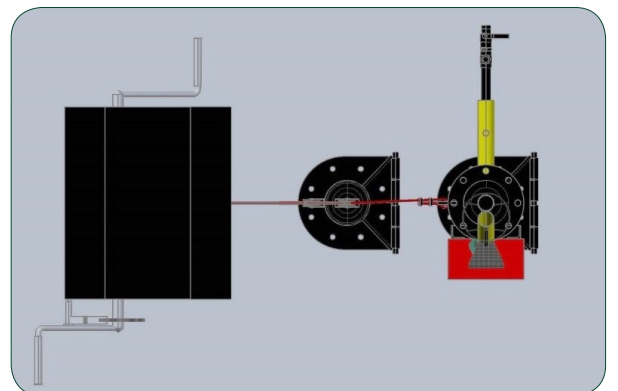
      L: 7.3 x W: 1.5 x H: 1.15 meter.

APPLICATIONS

- Land locations
- Gas flaring at land locations
- Production Well Testing
- Well Testing gas disposal
- Relief line vent flare

GENERAL SPECIFICATIONS

Service	Standard and H2S
Capacity	
Wind speed	30 m/sec
Exposure Type	C
Size of Flare Burner	6"x2"
Overall Height of Flare Stack	7 meters
Gas Barrier Section	1 meter
Length of Flare Burner	2 meters

Note: Various sizes and configurations available.

FLARE BURNER

Stainless Steel
50 cm wind shield is 316 SS
Pilot Nozzle: 316 SS
Pilot Pipe: 304 SS
Thermocouple Sensor: One (1) @ Pilot
Type of Thermocouple: Chromel
Diameter of Thermocouple: 1/8"
High Intensity Spark Unit equipped with:
  - High Intensity Igniter Assembly
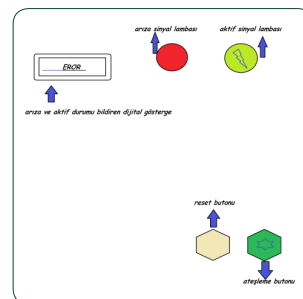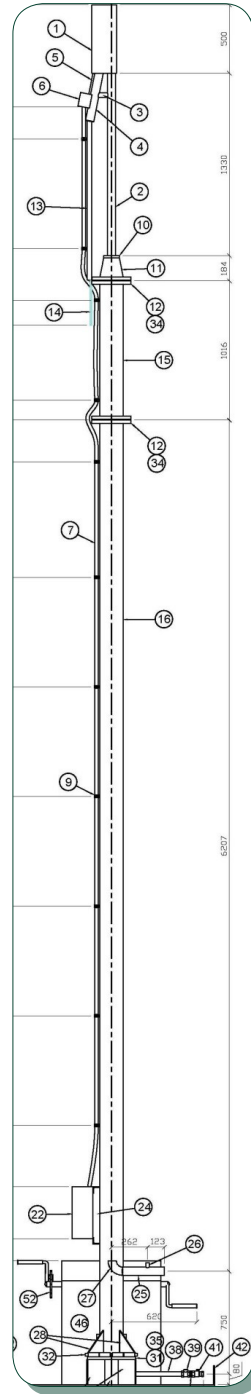 - High Intensity Exciter Assembly

EXTENSION WIRE

Extension wire is equipped with high temperature insulation and proper radiation shielding to prevent heat damage to the cable. This is important, since the flare burner flame heat radiation will provide elevated temperatures at/near the flare burner and higher stack elevations. Normal temperature cable insulation is not sufficient to prevent damage, which would render control and monitoring equipment useless. Extension wire will protect against this type of failure and provide efficient and trouble free electronic pilot operation.
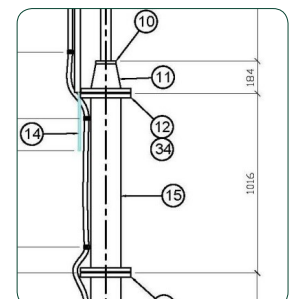
IGNITION CONTROL PANEL

Automatic/Manual Ignition/Re-ignition for a total of One (1) pilot weatherproof, Ignition Control Panel is equipped with the following components:

- Solid State Temperature Controller
- Automatic/Alarm Timer
- Ignition Timer
- Manual Reset Pushbutton
- Fully Wired Weatherproof Control Cabinet
- Red Pilot Failure Weatherproof Indicator Light
- Green Pilot On Weatherproof Indicator Light

Ignition Control Panel

Gas Seal