

# Flare Stack

## SURFACE EQUIPMENT

### Overview

TETRA flare stacks are used to dispose of well gases when a pipeline is not available. Incorporating automated ignition systems with propane pilots, the production flare stacks allow disposal at elevated heights to assist in dispersion of combusted fumes.

Available in multiple sizes for various flow rate and heights for improved dispersion, each TETRA flare stack comes with an integral knock out drum to collect and condense gases.

### Applicable Information

- Onshore flow back and well cleanup
- Disposal of hazardous gases, such as H<sub>2</sub>S
- Used for relief vent piping, away from area where personnel could be in danger
- Green completions require total burn of all vented gases
- Wellsite intervention services

### Features and Benefits

- Continuous pilot to ensure flare gas ignition
- Available with optional flare tips to improve combustion and reduce emissions
- Available with QUAD O compliance
- API 521, 537 and NACE compliant
- Maintains safe distance to personnel reducing effects of heat
- Self-supporting, skid mounted with outriggers



Hydraulic Flare Stack

Equipment Specifications - Flare Stack					
Maximum Allowance Working Pressure (psig)	285	285	285	285	285
Main Flare line size	4" x 40'	6" x 60'	6" x 85'	16" x 50'	10" x 160'
Additional lines, size and quantity	1-3" Auxillary Line 1-2" Igniter Line 1-1/2" Pilot Line	1-3" Auxillary Line 1-2" Igniter Line 1-1/2" Pilot Line	4-6" Auxillary Line 1-1" Pilot Line 1-1/2" Igniter Line	2-3" Auxillary Line 1-2" Igniter Line 1-1" Pilot Line	2-3" Auxillary Line 1-2" Igniter Line 1-1" Pilot Line
Service Type	Standard	H <sub>2</sub> S	H <sub>2</sub> S	H <sub>2</sub> S	H <sub>2</sub> S
Elevation Type	Cable Winch	Hydraulic	Hydraulic	Hydraulic	Crane
Condensate Trap Base of Stack	No	Yes	Yes	Yes	Yes
Gas Inlet	3" Hammer Unions	6" 150# ASME Flange	6" 150# ASME Flange	6" 150# ASME Flange	6" 150# ASME Flange
Ignition Fuel	Gas	Gas	Gas	Gas	Gas
Gas (MMSCF/D)	25	40	45	140	100
Trailer or Skid	Skid	Trailer	Trailer	Free Standing	Free Standing
Weight (lbs)	4,900	9,000	9,000	15,000	18,000
Guy lines or self supporting	guy lines to out riggers	guy lines to out riggers	guy lines to out riggers	guy lines	guy lines

Note: Various sizes and configurations available for the application.

