

TETRA's Flare Stack is used to dispose of gas during land operations for cleanup and initial flowing operations. The flare stack allows gas to be burned at a safe distance from the work area and is elevated to assist the dispersion of combusted fumes, protecting workers and the environment. Flare Stacks are also required for hazardous environmental gas disposal such as H₂S and is used as the relief flow disposal point when relief lines are extended for safe operations. All flare stacks are equipped with a gas pilot system and electronic auto ignition system. Sizes and heights range from 45, 60, 80, and 160 feet high. Most flare stacks are hydraulic or electrical winch-operated to vertical position for easy rig-up. The 100' and above require a crane.

Features/Benefits

- Allows temporary disposal of gas during cleanup operations
- Continuous pilot light to ensure gas flare ignition
- Reduces carbon emissions
- Reduces noise emissions
- Maintain safe distance during flow of hazardous gases
- All TETRA Flare Stacks have condensate pots at the base of the flare stack for the accumulation of drip gas
- Optional gas-free pilot with continuous solar-powered ignition source
- Optional incineration nozzles that enhance burn quality

Applications

- Onshore flow back and well cleanup
- Disposal of hazardous gases, such as H₂S
- Used for relief vent piping away from the area where personnel could be in danger
- Green completions require total burn of all vented gases
- Wellsite intervention services

Technical Specifications



Working Pressure (psi)	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" Auxiliary Line 1-2" Igniter Line 1-1/2" Pilot Line	1-3" Auxiliary Line 1-2" Igniter Line 1-1/2" Pilot Line	4-6" Auxiliary Line 1-1" Igniter Line 1-1/2" Pilot Line	2-3" Auxiliary Line 1-2" Igniter Line 1-1" Pilot Line	2-3" Auxiliary Line 1-2" Igniter Line 1-1" Pilot Line
Service Type	Standard	H ₂ S	H ₂ S	H ₂ S	H ₂ 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# ANSI Flange	6" 150# ANSI Flange	6" 150# ANSI Flange	6" 150# ANSI Flange
Ignition Fuel	Gas	Gas	Gas	Gas	Gas
Ignition System	12-Volt Electronic	12-Volt Electronic Continuous Solar-Powered	2-Volt Electronic Continuous Solar-Powered	2-Volt Electronic Continuous Solar-Powered	2-Volt Electronic Continuous Solar-Powered
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.

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