

Portable Flare Stacks

For safe, efficient and cost-effective burn off of excess hydrocarbon gases. When it's necessary to release excess hydrocarbon gases in remote drilling locations or temporary sites, National Flare & Equipment portable flare stacks are the safe and efficient solution. Our portable flare stacks are designed for excellent combustion efficiency by providing the right mix of air and fuel gas. Seals are included to prevent flashbacks. Easy to transport and set up, National Flare & Equipment portable flare stacks provide controlled burning of:

Propane
Raw Make
Butane
Natural Gas
ISO
Propylene

Main Office



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Other Locations

Corpus Christi, TX
Midland/Odessa, TX
Washington, PA



Air Assist Flare Stack Technical Specifications

National Flare & Equipment is a leading supplier for providing proven Air Assist technology to achieve smokeless capacities. Low pressure air is an excellent method for smoke free combustion of heavier gas streams. The flare gas and blower air flow coaxially to the flare tip where they mix. The blower air provides a significant portion of the stoichiometric air required for combustion and generates sufficient mixing turbulence to eliminate smoke formation.

We provide the industry's largest fleet of smokeless, air-assist dual-phase Flare Stacks, making NFE one of the few companies capable of converting to gas and subsequently burning off a wide range of liquids and vapors with 98% efficiency, including:

- **HVL** (Highly Volatile Liquids)
- **NGL** (Natural Gas Liquids) | Ethane | Propane
Butanes | Raffinate | Natural Gasoline
- **Vapor Products**
Natural Gas (Methane) | Hydrogen | Nitrogen
- **HRVOC**
(Highly Reactive Volatile Organic Compounds)
Ethylene | Propylene | Butadiene



Trailer Flare Systems

Trailer Flares are a convenient method of burning waste gases from flow back operations, pipelines and storage facilities. Each trailer is completely self-contained. A solar panel supplies power for the pilot, ignition system and pilot monitoring controls. Standard size propane tanks maintain a constant pilot flame and can be easily removed.

Portable Dry Gas Flares

National Flare & Equipment offers trailer mounted flares and skid mounted flare systems for those users needing flare systems that are portable and easy to transport from site-to-site.

40' Air Assist Specifications

- **4" Product Line, 6" Air Tube**
- **6" Product Line, 6" Air Tube**
- **Designed for 90 mph Winds (with outrigger cabled connected)**
- **2 Removable Propane Tanks Auto/Manual Re-Ignition Pilot**
- **Diesel Generator**
- **3,000 scfm Blower**
- **Small Center Pilot**
- **Large Outer Ring Pilot**
- **98% Efficiency**

30' 40' 50' and 80' Equipment Specifications

- **4" Flare w/Hydraulic Boom**
- **6" Flare w/Hydraulic Boom**
- **12" Flare w/Hydraulic Boom**
- **16" Flare w/Hydraulic Boom**
- **Auto/Manual Re-Ignition**
- **1, 2,3,4 and 6" iron / 500 mwp**
- **1" hose, 500 mwp**
- **2" hose, 500 mwp**
- **3" hose, 500 mwp**
- **4" hose, 500 mwp**
- **99 % Efficiency**
- **40, 50 & 60' Trailers w/40 gal. Butane Tank**

