



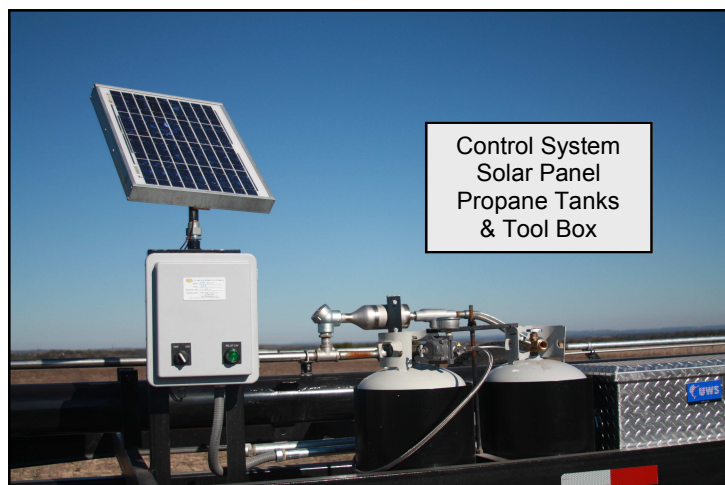
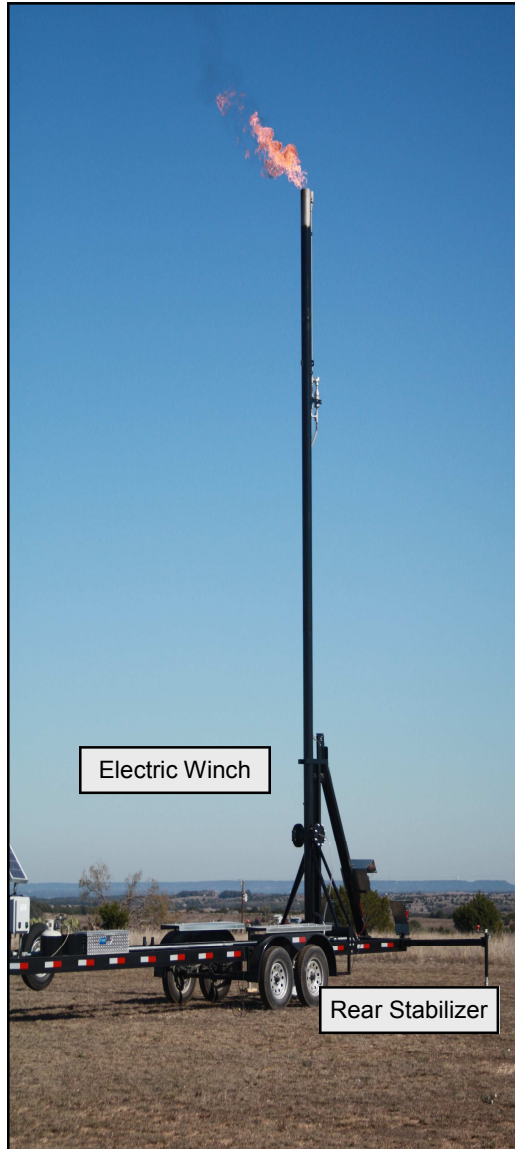
Custom Flare Trailers

Hero Flare specializes in high trailer mounted flares for production field, pipeline, landfill and maintenance activities.

These flares are suitable for highway travel and can be easily towed by a ½ Ton vehicle. Flare setup takes less than 30 minutes. The flare trailer is fully self contained including propane tanks for pilot operation.

The advantages our trailer flares bring to your business including:

- We guarantee that the flare tips will prevent flame instability.
- The capacity, pressure drop and emissions will not exceed guaranteed values.
- The flare tip will meet EPA regulations for tip velocity and pilot monitoring.
- The flare pilot is fully automatic, electric spark design with battery backup and a solar panel charging system. No auxiliary power is required.
- While 3-4 weeks is normal delivery.



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<http://www.heroflare.com>

In association with **FLARE TRAILERS** USA

Equipment Description

Trailer Flare 6x30

The flare uses an open pipe tip with internal flame stabilizers. The tip design is proven and has lasted well in previous applications. The flare gas is ignited by continuously sparking pilot. This design has been used on hundreds of gas flares with good success. The flare system includes:

- 6" utility flare tip suitable for vent streams that do not smoke when burned.
- 25 ft overall height when erected.
- Trailer mounted for easy move-in / move-out. Approx 4680 lb.
- Dual 6" 150# RF inlets. Waste gas can enter from either side of trailer flare.
- Electric winch for simple flare erection.
- Outriggers for increased trailer stability in windy conditions.
- High stability pilot. Stainless steel construction for long life.
- Automatic spark ignition system. An electric spark igniter lights the pilot flame.
- Pilot flame monitoring system. A thermocouple continuously monitors the pilot flame status. Dry contacts are included for remote indication of pilot status.
- Battery backup for continuous sparking of pilot in the event of a power failure. The battery will last 5 days without recharging.
- Solar panel, battery and battery charger. No other power is required.
- Nema 4X (fiberglass) control panel.
- Propane pilot fuel. The trailer uses two standard 5 gal bottles of propane. The pilot will run about 30 hours on these two tanks. Due to DOT regulations, we do not include the propane bottles with the flare trailer.
- Auxiliary connection for additional propane or natural gas supply from larger tank.
- Trailer has Certificate for Highway Use. Client to obtain trailer tag.
- Operating manual and spare parts lists (electronic form).



Control System
Solar Panel
& Tool Box

Spare Tire
Included

New
Stabilization
Cables
Included

New
Swing-out
Outrigger
Stabilization



Data Sheet

Design Basis

Inlet Nozzle	6" 150# RF (dual inlets)
Flare Height	30 ft
Number of Pilots	One
Design Flowrate	0-7 MMSCFD of natural gas
Inlet Pressure	0-3 psig
Gas Temperature	ambient
Smokeless Flow	The flare gas may smoke, but should be less than Ringleman 1 at low flow rates.
Max Tip Velocity	400 fps (to meet EPA regulations)
Max Radiation (API)	less than 500 Btu/hr/SF normal. Less than 2000 Btu/hr/SF max

Data Sheet *part 2*

Emissions

Flare guarantees a 98% or greater hydrocarbon destruction efficiency.
Flare guarantees that the flare will be stable over the entire operating range.

Utilities

Pilot Gas (per pilot)	Propane: 11 scfh at 1 psig (25 scfh at 5 psig)
Ignition Gas	None required.
Plant Air	None required.
Electricity	None required. Solar powered 12VDC ignition system.
Purge Gas	38scfh natural gas (normal flow exceeds purge rate)

Mechanical

Design Wind Speed	70 MPH (standard for temporary flares)
Corrosion Allowance	none
Ambient Temperature	-5 to 105°F
Site Elevation	14.6 psia
Electrical Area	non-classified area
Control Panel Type	Nema 4X (Corrosion resistant FRP)



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