



445 FM 20
BASTROP, TEXAS 78602
512 772 5744
WWW.HEROFLARE.COM

Proposal

HES Pilot and Ignition System For Client Built Flare Trailers

Do you build your own trailer flares? HERO Flare can supply the same pilot and ignition system that we use on our trailer mounted flares. It works for us and it will work for you.

This pilot and ignition system is well proven in hundreds of applications. A number of large flare trailer builders have standardized on this high quality ignition system. When the power is on, the pilot sparks every 3 seconds, even if a flame is present. When propane is on, the spark lights the pilot flame. If the wind blows out the flame, the continuous spark relights the pilot flame. A thermocouple monitors the pilot status for EPA compliance.

There are many advantages to HERO flare trailer ignition systems including:

- The flare pilot meets EPA regulations.
- The flare pilot is fully automatic, electric spark design with battery backup and a solar panel charging system. No auxiliary power is required.
- Flare trailer ignition systems are stock items. We normally ship within days of an order.

We look forward to working with you as this project progresses.

Best regards,

HERO Flare
David Giles
713 542 0925
David.giles@heroflare.com

Data Sheet

Utilities

Pilot Gas (per pilot)	Propane: 11 scfh at 1 psig (25 scfh at 5 psig). Clean, dry, filtered. Pilot runs about 15 hours on one 5 gal propane tank.
Ignition Gas	None required.
Plant Air	None required.
Electricity	None required. Solar powered 12VDC ignition system.
Electrical Area	non-classified area
Control Panel Type	Nema 4X (Corrosion resistant FRP)

HES High Energy Spark Ignited Pilot

- Stainless steel construction for long life.
- Sample drawing for mounting brackets with U-bolts.
- A thermocouple continuously monitors the pilot flame status.
- Common junction box on the pilot for the thermocouple and low voltage wiring.
- 1/4" connection for fuel gas supply.
- Approx 8'6" long x 32 lb.

SOLT Ignition System

- Automatic spark ignition module. The module sends a low voltage current to the exciter mounted on the pilot.
- Pilot flame monitoring system. The temperature monitor shows the pilot flame temperature and provides dry contacts for remote indication of pilot status.
- Battery backup for continuous sparking of pilot in the event of a power failure. A typical 12V car battery will last 5 days without recharging. Battery and cables are not included.
- 30 W solar panel with mounting bracket and connector.
- 100ft of Type K thermocouple wire
- Power regulator and battery charger.
- Nema 4X (fiberglass) control panel with On/Off switch.
- Domestic packaging and shipping within continental USA (FedEx Freight or equal).
- Drawings and operating manual (electronic form).

Client Responsibility

- Interconnecting fuel gas hose.
- Fisher 67C regulator / gauge set and propane bottle adapter.
- 14ga wire and associated conduit.
- 12 VDC battery.
- Mounting brackets. (Hero Flare drawing provided).

Pricing and Commercial Terms

Pricing

One HES High Energy Spark ignited pilot with thermocouple (drilled for propane). One SOLT 12VDC automatic ignition system for trailer flares, solar powered.	Texas Client: \$6,200 Other USA client: \$6,350 Difference is freight cost.
Fuel gas pressure regulator with gauge and propane tank adapter (Fischer 67C)	\$300
100ft of thermocouple wire	included
Domestic crating and delivery within continental USA	included

Terms & Conditions

- We normally accept the standard terms and conditions contained with our client's purchase order. We can not accept unlimited liability or consequential damages.
- Prices are quoted in US funds, FOB Bastrop Texas.
- Texas clients must supply a sales tax exemption form. Pollution control equipment is sales tax exempt. We must add Texas sales tax to the invoice if we do not receive a signed exemption form.
- Terms of payment: We send an invoice. You send a check. Life is simple.

Schedule

Standard Delivery

Shipment	0-2 weeks depending on availability. Units are normally stock items and ship within 1 week.
----------	--

Warranty

We warrant all equipment to be free from material or workmanship defects for 18 months after shipment or 12 months after first operation, whichever occurs first. We shall require all equipment vendors to pass through their standard warranty to the end user. The equipment warranty covers replacement parts, but excludes freight, field labor or backcharges. We can supply the formal warranty statement upon request.

Drilling mud and other debris can foul the Ignition Sparker at the pilot. The flare pilot is designed for igniting vapors only. Knockout drums must be employed to remove any liquids from the flare gas stream. Liquid carryover will destroy the wiring and pilot electronics.

Contact Information

HERO Equipment LLC
445 FM 20
Bastrop, Texas 78602

Direct: 512 772 5744
Fax: 512 772 5743
Federal Tax ID: 45-3861476