



# HSLF FLARE PILOT

COMBUSTION AND ENVIRONMENTAL SOLUTIONS.  
PURE AND SIMPLE.®

## HSLF Series

### The only pilot to operate continuously in hurricane force winds.

Just ask our customers in the eye of the storm. They'll tell you the ZEECO® HSLF pilot was the only flare pilot to operate continuously when their facilities were directly hit by Hurricanes Ike and Rita.

You can expect the same level of reliability - in some of the harshest weather conditions on the planet - when you install a ZEECO HSLF pilot.



*HSLF Hurricane Test Video, to view demo visit [www.zeeco.com/flares/flares\\_aux\\_pilots.php](http://www.zeeco.com/flares/flares_aux_pilots.php)*

### Engineering experience for extreme longevity.

Hurricanes are just one hazard. Your flare pilots are exposed to all kinds of extremes - temperature, inert flare purge, flame impingement, environmental conditions and more. So we go to extreme lengths to engineer and manufacture our HSLF pilots to withstand the challenges and outlast the rest.

The ZEECO HSLF Flare Pilot utilizes investment castings, rather than welded seam fabrication, to maximize the pilot's operating life. To guard the orifice and prevent weather from disrupting gas flow, we fortify our pilots with a unique, investment cast pilot mixer assembly boasting an integrated weathershield. No other pilot has this feature. We can also retrofit the ZEECO HSLF pilot to our competitor's flare systems.

Another plus: The HSLF pilot operates with a variety of hydrocarbon fuel gas compositions, ranging from Butane, Ethylene, Hydrogen and Propane to low-BTU gases, and any combination of the above.

### Why choose Zeeco?

Zeeco leads today's global market in the design of combustion equipment. ZEECO flare systems have been operating around the globe for more than 30 years. Our philosophy of providing customers with superior quality, on-time shipments and competitive pricing is the cornerstone of our success. Every customer request is promptly addressed by Zeeco's combustion engineers. You can trust us to put our experience to work for you. Call or email us today to learn more about the full line of ZEECO flare products and replacement components for your new or existing flare system.

*HSLF Flare Pilot*





BURNERS



FLARES



INCINERATORS



PARTS & SERVICE

COMBUSTION AND ENVIRONMENTAL SOLUTIONS.  
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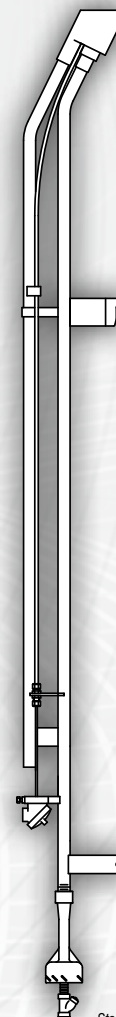
# HSLF Flare Pilot

## STANDARD FEATURES

- Flame Front Generator (FFG) ignition
- Fixed, single element type K thermocouple with stainless steel thermocouple protection system (provides tertiary protection and ensures the thermocouple maintains the proper position in the thermo well)
- Cast heavy wall thermo wells included in pilot shields (maximizes thermal conductivity between flame and thermocouple)
- HSLF mixer is engineered to maximize the efficiency of inspiration and mixing
- Extensive utilization of stainless steel investment cast components
- All stainless steel construction, including a stainless steel strainer that prevents plugging of pilot mixer orifice
- Mixer is engineered to easily transfer and handle high utility piping loads
- Can operate using a wide variety of hydrocarbon fuel gas compositions
- Configurations available for all flare types

## OPTIONS

- Standalone High Energy Ignition (HEI) with investment cast junction box and integral radiation shield (as an alternative to standard FFG ignition) or in combination with FFG ignition
- Flame proving using ionization rod
- Dual element or multiple thermocouples
- Alternative metallurgies available, e.g. INCONEL® 625 or INCOLOY® 800H
- Dual High Energy Ignition (HEI) systems
- Flame proving using optical monitoring from grade
- Retractable thermocouple systems
- Pusher/straightener installation machine (patent pending)



Standard HSLF Pilot

CERTIFICATIONS APPLY TO ZEECO HEADQUARTERS ONLY.



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REGISTERED  
ISO 9001: 2008

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