

## Model 850 FLAMEX Pilot



## Description

The Model 850 Pilot is a time-proven product that combines electric spark ignition with continuous spark monitoring, thermocouple monitoring, and retractability. The combination of these highly-demanded features has made the high-alloy, stainless steel Model 850 Pilot one of the most well-received ignition systems on the market. This electric pilot provides a rapid, direct spark every 10 to 20 seconds, ensuring reliable ignition. The Model 850 features an inspirator that induces air into the fuel gas line, creating a combustible mixture for the pilot to ignite. The pilot flame is continuously monitored by an integrated thermocouple, providing for automatic and immediate re-ignition in a flame-out scenario. Additionally, the Model 850 Pilot can be independently retracted to grade for ease of maintenance and inspection while the flare remains in service.

## Design Features

- Durable, high-alloy stainless steel construction
- Fully retractable for ease of maintenance
- Low operating costs
- Eliminates the need for costly ladders and platforms
- Rapid ignition and re-ignition response time
- Low fuel consumption
- Designed to operate with 120, 240 VAC, 12, 24 VDC, and solar power
- Designed to maintain a stable flame in up to 150 mph (240 km/hr) winds
- Ease of installation for all retrofit applications

Model 850 FLAMEX Pilot

**Materials**

**Pilot Head:** 304 Stainless Steel  
 316 Stainless Steel  
 310 Stainless Steel  
 Incoloy/ Inconel

**Pilot Body:** 304 Stainless Steel  
 316 Stainless Steel  
 310 Stainless Steel  
 Incoloy/ Inconel

**Inspirator:** Cast Iron

**Pilot Gas Line:** 304 Stainless Steel  
 316 Stainless Steel  
 310 Stainless Steel  
 Incoloy/ Inconel

**Specifications**

**Tip Length:** 10 Feet (3.3 m)  
**Weight:** 75 lbs (34.1 kg)  
**Consumption:** 62 SCFH of Natural Gas @ 8 psig  
**Fuel:** Natural Gas, Propane, Butane

