

MODEL 250 ENGERGEX ELECTRONIC PILOT

ADVANTAGES

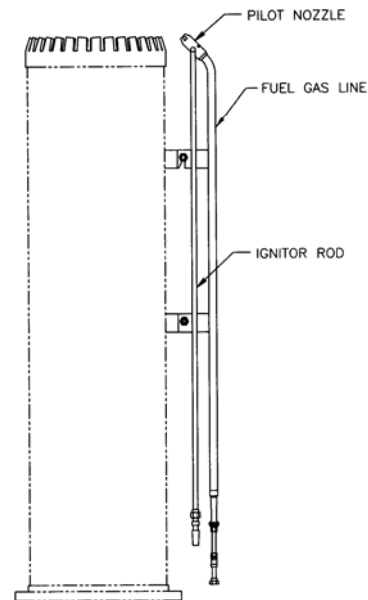
- ▶ Rapid re-ignition response time
- ▶ Low fuel consumption
- ▶ Ease of installation and/or retro-fit applications
- ▶ Durability due to high alloy, stainless steel construction
- ▶ Reliability: ignition and re-ignition
- ▶ Flame stability: wind velocities up to 150 mph (240 km/hr)
- ▶ No flame front generator necessary

GENERAL DESCRIPTION

The Model 250 ENGERGEX Pilot is a high alloy, stainless steel pilot which combines a high voltage electronic Excitor and a high energy spark rod to provide rapid, reliable ignition. More importantly, the ENGERGEX pilot provides instantaneous re-ignition if the pilot should ever lose its flame. This pilot system uses a fuel gas line much like other standard pilots, however, instead of a flame front generator it utilizes the "Excitor" which produces a high voltage arc inside the pilot nozzle.

An inspirator induces air into the fuel gas line creating a combustible mixture for the Excitor to ignite. After ignition, if the flame should ever go out the thermocouple will sense this loss of flame and will send a signal to the control panel. The Excitor then begins to arc until the pilot is lit and the thermocouple no longer senses a flame failure. The spark rod, because of its integral location in the pilot head, can initiate re-ignition immediately. The Model 250 ENGERGEX Pilot is an innovative solution for flaring applications in which extended downtime is a critical concern.

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DESIGN FEATURES

High alloy steel construction

Robust spark rod assembly

Mass isolated ignitor housing produces spark even when submerged in water

SPECIFICATIONS

LENGTH: 11'-0" (4.3m)

WEIGHT: 52 lb. (23.6 kg)

STANDARD METALLURGY:

HEAD 309/310 SS

PILOT GAS LINE 316 SS

EXCITOR LINE 316 SS

INSPIRATOR Cast Iron

CONSUMPTION: 44 SCFH of Natural Gas @ 8 Psig

FUEL: Natural gas, propane, butane