

Spark Igniters and Gas Pilots



SUREFIRE™

Fireeye - The first name in flame monitoring and combustion control

Fireeye enjoys a worldwide reputation as a technical pioneer and leading manufacturer of flame safeguards, combustion efficiency and burner controls for a wide range of industrial and commercial applications.

Our products can be found in a variety of public buildings, commercial properties, power plants, pulp and paper mills, petrochemical facilities and food processing plants. Fireeye is a part of Carrier (NYSE: CARR).

SureFire Spark Igniters & Gas Pilots are essential to any furnace, boiler or hot water heater startup procedure. They need to safely and reliably spark and ignite every time. With Fireeye's long history of high quality combustion controls, you can count on SureFire.

Trust in Fireeye

- High Energy Spark Igniters
- **Heavy Duty** High Energy Spark Igniters
- High Tension Igniters
- Gas Pilots, Natural draft or Forced draft

Available separately or complete with Gas Pilots and mounting tubes



SureFire II™ Gas Pilots



**GENERAL
INDUSTRY**

Fireye Igniters & Gas Pilots are available in a packaged system or as independent equipment. Our Gas Pilots are available for either natural draft or forced draft application depending on the burner, furnace or boiler needs. Depending on sizing they also meet Class 1, 2, 3 or Class 3 special case. Most models comply to either intermittent light off or continuous duty for supporting heat up. With a simple design and high temperature SS and alloys these Gas Pilots require low maintenance and offer consistent reliability.

Our rigorous construction and build quality make these Gas Pilots ideal for heavy industrial applications such as power-gen, refining, petrochemicals and specialty chemical plants. All of our Gas Pilots accommodate either a Spark and Sense Igniter or the High Energy Spark Igniters. Sizes are



**GAS
PILOTS**



PULP & PAPER

SureFire I High Tension Spark Igniters

SureFire 20 Spark Igniter & Gas Pilot Kit

The SureFire Model 20 Spark Igniter & Gas Pilot Kit provides reliable ignition energy for main gas or oil burners in either NFPA Class 1, Class 2 or Class 3 application, depending on the burner capacity. These igniters easily retrofit into many types of burners due to their size, one million BTUH capacity and their reliable operation.

The SureFire Gas Igniter consists of three major components: a Guide Tube, a Gas Transport Tube, and a High Energy Spark Rod. The guide tube houses the spark rod and the gas transport tube, which are easily removed from the guide tube for maintenance purposes, by releasing the "V" band retainer. No tools are required.

Cooling/combustion airflow is directed down the guide tube to support and maintain the primary combustion zone during operation and to cool the igniter when it is out of service. The controlled mixture of fuel and air inside the igniter guide tube at the primary combustion zone results in a highly reliable igniter.

Optional equipment for the SureFire Model 20 Gas Igniter includes a mount tube, a gas hose, and a rubber air hose.

HTI

**HIGH TENSION
SPARK IGNITER**

HTSS

**HIGH TENSION
SPARK & SENSE IGNITER**



PROCESS HEATERS



SureFire II™ High Energy Spark Igniters



PETROCHEMICALS

HESI

HIGH ENERGY SPARK IGNITER



The High Energy Igniters (HESI) are Class 3 igniters used for direct spark ignition of oil or gas pilots and small burners. The 12 joules of power delivered to the spark tip (3 sparks per second) easily ignites the fuel.

The HESI igniters consist of three major components: a Power Pack, a Spark Rod Assembly and a Cable Assembly. The power pack is packaged in a NEMA-4 enclosure for wall mounting at the burner front. The Power Pack develops the 12 joules of power delivered to the spark tip through the use of heavy duty electrical components. It has a 100% duty cycle at temperatures up to 130°F ambient.



ELECTRIC UTILITIES

SureFire II™ HD High Energy Spark Igniters

**HD
HESI**

**HEAVY DUTY
HIGH ENERGY SPARK IGNITER**



Heavy duty HESI spark Igniters offer an astounding 24-Joules of spark energy. Uses and applications for these are for the hardest-to-ignite pulverized solid fuels and heavy bunker oils. With this much energy, moisture and ash have no effect on spark performance and this actually benefits as a self-cleaning spark tip!

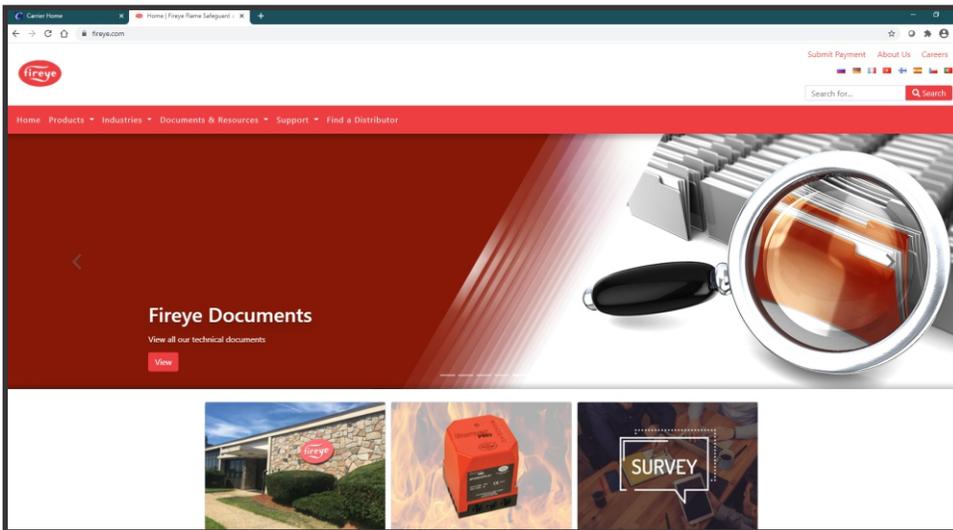


**CHEMICALS &
REFINING**

Additional Fireeye products

- Nexus® Combustion Efficiency System
- InSight Scanners®
- FEX Flame Analysis Software
- MicroM Series Microprocessor Control

For additional information please consult website at
www.Fireeye.com



HESI

HIGH ENERGY SPARK IGNITER

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HTSS

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SPARK AND SENSE IGNITER

HTI

HIGH TENSION IGNITER

**GAS
PILOTS**

GAS PILOT

HEP

HIGH ENERGY PORTABLE
SPARK IGNITER



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