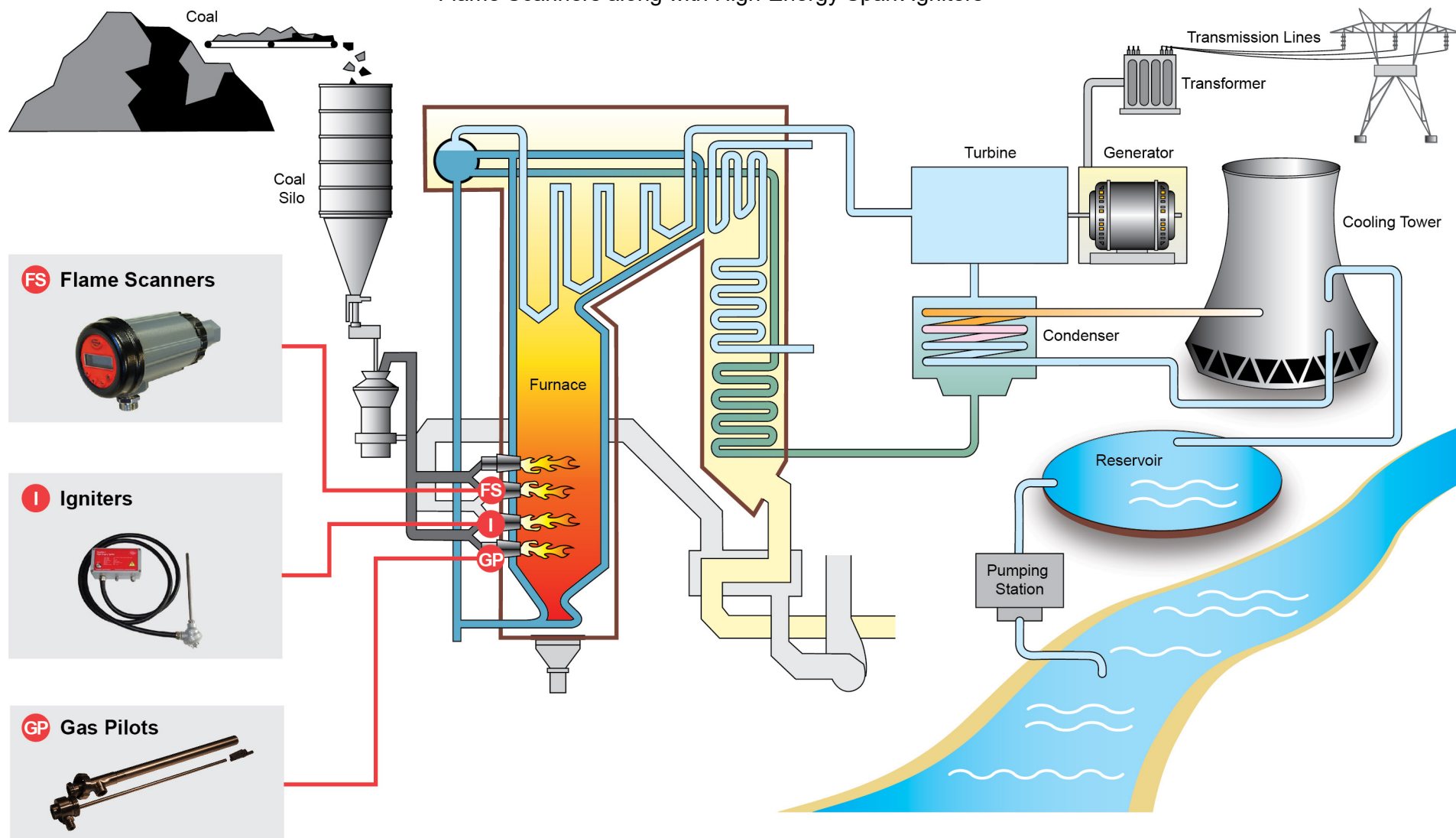


# Coal-Fired Power Applications

## Reliable Combustion Solutions for Power



Ultraviolet (UV), Infrared (IR), Dual Sensor (UV & IR)  
Flame Scanners along with High-Energy Spark Igniters



## Insight® Scanners

95DS / 95DSS3 / 95IRS4 / 95UVS4

### Features

- Integrated design includes internal flame relay and 4-20mA output
- Keypad/display for programming
- Remote communications and file select capabilities
- Programmable flame flicker frequency, sensor gain, pull-in and drop-out set points, and FFRT
- 95DSS3 infrared transmitter option



### Specifications

- 95IR infrared sensor: 700 to 1700 nm
- 95UV ultraviolet sensor: 295 to 320 nm
- 95DS dual sensor: 295 to 320 & 700 to 1700 nm
- Supply voltage: 24 VDC
- Housing: NEMA 4X, Class I, Division 2, Groups A, B, C & D
- Ex d IIC T6 ATEX
- SIL3

## Phoenix Scanners

85IRF / 85UVF

### Features

- Automatic flame characterization
- Optimum gain and flicker frequency detection
- Fully automatic programming
- Easy installation
- Streamlined user interface, simplifies operation
- Flame learn cycle completes in less than one minute
- Background flame characterized in less than one minute



### Specifications

- 85IRF Infrared sensor: 830-1100 nm
- 85UVF Ultraviolet sensor: 295-320 nm
- 85UVF-K3 Extended ultraviolet sensor: 310-500nm
- Supply voltage: 24 VDC
- Housing: NEMA 4x, Class I, Division 2, Groups A, B, C & D
- Ex d IIC T6 ATEX
- SIL3

## SureFire Gas Pilots

The pilots are constructed of high quality materials providing stable flame ignition repeatability.

- Natural or Forced-Draft Gas Pilots, outer diameter 32mm or 48mm, for intermittent or continuous duty, Class 1 to 3
- Suitable for majority of Power, Refinery and other applications
- No moving parts helps ensure longer trouble-free operation with lower maintenance costs



## SureFire™ II Igniter



The SureFire II High-Energy Ignition System is used for direct spark ignition of most gas or liquid fuels used in oil or gas igniters or main burners. The High-Energy Ignition System is available in various versions. To ensure optimal operation, the first part of the ignition tip should always be in an ignitable fuel-air mixture, during all modes of operation.

### Features

- Selectable voltage (115/230 vac).
- Visual indication of spark operation
- Proof of spark relay
- Choice of system: Integrated or Kit with or without Quick Disconnect
- Thermal cutout protection integrated in transformer
- ATEX options
- Compact coaxial retractors
- Safety bleed resistor discharges capacitors in 120 seconds



For more information, please [contact](#) your local OEM or Fireye Distributor.

[fireye.com](http://fireye.com)

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