Oil Refinery Applications
Flame & Combustion Management Solutions

Crude Oil Storage
Furnace
Atmospheric Distillation
Vacuum Distillation
Catalytic Reforming
Coke Drum
Catalytic Cracking
Steam
Hydrocracking Desulfurization
Sulfur Recovery
Fuel Storage

Flame Scanners
Burner Controls
Igniters
Servos
Flame Rods
Efficiency Controls
Gas Pilots
Oxygen Sensors

fireye.com
**Flame Scanners**

**Discrete Flame Scanners**
- UV1A (Ultraviolet)
- UV90L (Ultraviolet)
- 45UV5 (Ultraviolet / Self Check)
- 48PT2 (Infrared)

**Integrated Flame Scanners**
- Phoenix™ Series 2 (Ultraviolet Extended, Ultraviolet or Infrared)
- InSight® II (Ultraviolet, Infrared or Dual Sensor)
- InSight Series 4 (Ultraviolet or Infrared)

**SureFire™ Gas Pilots**
Natural or forced-draft gas pilots suitable for majority of power, refinery and other applications with outer diameter options of 32mm or 48mm, for intermittent or continuous duty, Class 1 to 3.

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**CM-420 Combustion Monitor**
Provides oxygen percentage via 4-20mA or Modbus for PLC, Scada or building management systems. Used in conjunction with the Fireye oxygen probe (NXCESO2).

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**FX Servo Motors**
The Fireye FX Series servo motors are precision actuators designed to accurately position valves and dampers.

**Flame Rods**
The Fireye flame rod (69ND1) is made from high temperature resistant metal and can be used to detect gas flames only.

**Oxygen Probe**
The Fireye oxygen probe (NXCESO2) is designed to provide continuous oxygen concentration readings.

**SureFire II Igniter**
High-energy ignition system for direct spark ignition of most gas or liquid fuels used in oil or gas pilots or main burners.

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For more information, please contact your local OEM or Fireye Distributor.

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