

# SureFire II™ Gas Pilots

## Natural Draught - 32 or 48mm



# SUREFIRE™

## Gas Pilots

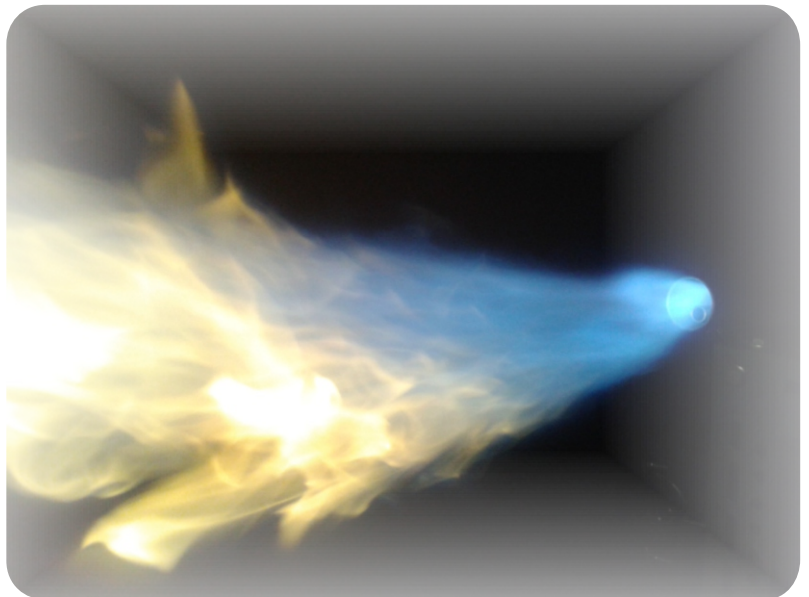


- Natural or Forced Draught, outer diameter 32 or 48 mm, for intermittent or continuous duty, Class 1 to 3
- suitable for majority of Power, Refinery and Petrochem Industry applications
- designed to light off gas and oil main burners as an intermittent or a continuous gas pilot
- the sources of ignition are electrical Igniters HTI or HESI, manufactured by IP&S, with the ignition rods of outer diameter 16 mm and co-axial electrode arrangement
- suitable for operation with HTI igniters capable of Spark & Sense mode - ionization flame detection
- special design provides a protected ignition and flame stabilization zone in air tube

The pilot is constructed of high quality materials, and each unit is checked and tested before dispatch. Unit construction provides a stable flame, ignition repeatability. No moving parts ensure long, trouble-free operation with low maintenance costs.

**GAS  
PILOTS**

**NATURAL DRAUGHT**



APPROVED

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# NATURAL DRAUGHT

## SPECIFICATIONS:

Fuel: Two standard versions for Natural Gas (NG) and for Propane Gas or LPG (PG)

Outer diameter of the air tube: **32mm**

Capacity range: Natural Gas 17 ÷ 34 kW at 20 ÷ 80 kPa - see capacity vs. pressure graph below  
Propane Gas 26 ÷ 49 kW at 20 ÷ 80 kPa - see capacity vs. pressure graph

Special capacities available, consult factory

Air flow and pressure: Natural draught

Operating temperature: Max. continuous 300°C, stabilizer, end of gas and air tube 500°C

Igniter rod reference length range "L": 0.5 - 2.0 m - longer upon request

Material used for pilot construction: All parts: 304/316 SS and heat-resistant steel 310/330 SS

Outer diameter of the air tube: **48mm**

Outer diameter of the air tube: 48.0 mm

Outer diameter of the mounting tube: 55.0 mm

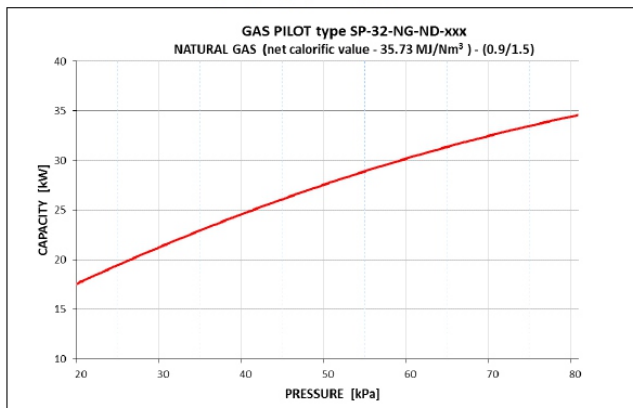
Outer diameter of the ignition rod: 16.0 mm

Capacity range: Natural Gas 20 ÷ 46 kW at 20 ÷ 80 kPa - see capacity vs. pressure graph  
Propane Gas 35 ÷ 74 kW at 20 ÷ 80 kPa - see capacity vs. pressure graph

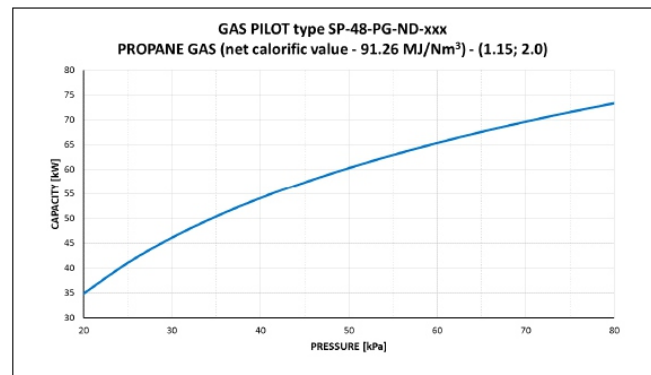
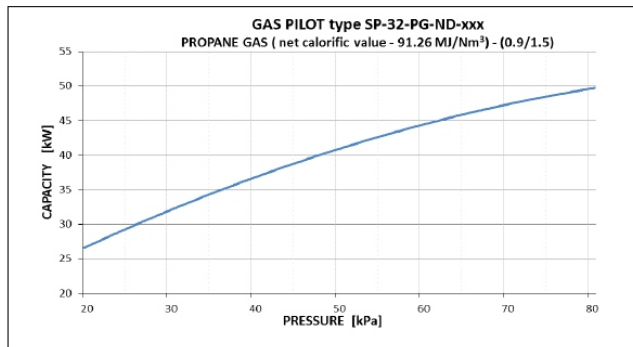
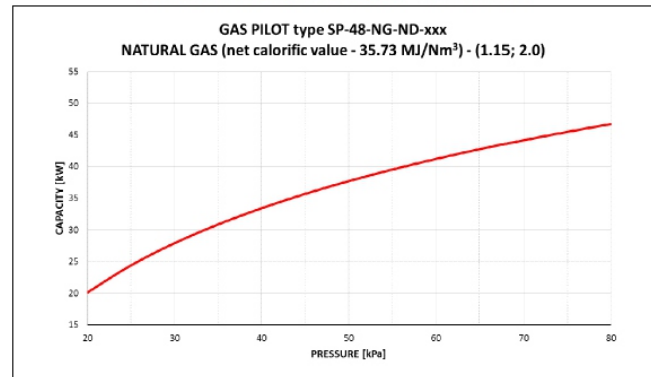
Air flow and pressure natural draught

NOTE: Refer to Bulletin SF-300/SF-500 for more complete information.

The Pilot capacity vs. gas pressure graphs – standard version



The Pilot capacity vs. gas pressure graphs – standard version



Fireye is a leading manufacturer of flame safeguard controls and burner management systems for commercial and industrial applications throughout the world. 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. Fireye is a part of Carrier (NYSE: CARR).



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NATURAL DRAUGHT