

SureFire™ II Gas Pilots

Forced Draught - 32 or 48mm



SUREFIRE™

Gas Pilots

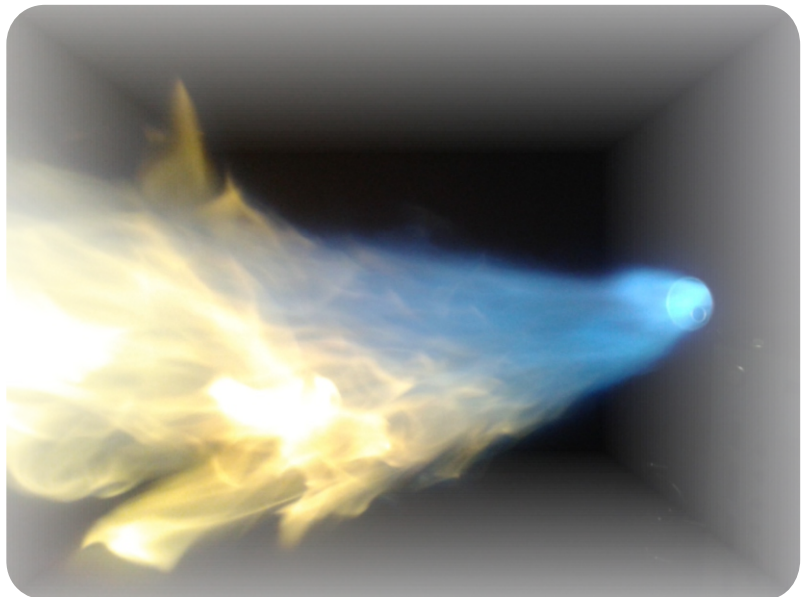


- Natural or forced draught, outer diameter 32 or 48 mm, for intermittent or continuous duty, Class 1, 2 and 3
- Suitable for majority of power, refinery and petrochem industry applications
- Designed to light off gas and oil main burners as an intermittent or a continuous gas pilot
- The sources of ignition are electrical igniters HTI or HESI, 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 and ignition repeatability. No moving parts ensure long, trouble-free operation with low maintenance costs.

**GAS
PILOTS**

FORCED DRAUGHT



MF-00-4-0010-0-002-B

SPECIFICATIONS:

Fuel:	Two standard versions for natural gas (NG) and for propane gas or LPG (PG)
Outer diameter of the air tube	32mm
Outer diameter of the mounting tube	38mm
Outer diameter of the ignition rod	≤16mm
Capacity range:	Natural gas 19 - 37 kW at 20 - 80 kPa - see capacity vs. pressure graph below Propane gas 28 - 52 kW at 20 - 80 kPa - see capacity vs. pressure graph below
Operating temperature max.:	Continuous 300°C, orifice-stabilizer, end of gas and air tube 500°C
Igniter rod reference length range:	"L" 0.5 ÷ 3.0 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 mounting tube:	55mm
Outer diameter of the ignition rod:	≤16mm
Capacity range:	Natural gas 63 - 132 kW - see capacity vs. pressure graph below Propane gas 98 - 203 kW - see capacity vs. pressure graph below
Operating temperature:	Max. continuous 300°C, swirler-stabilizer, end of gas and air tubes 500°C
Igniter rod reference length range:	"L" 0.5 - 3.0 m - longer upon request
Material used for pilot construction all parts:	304/316 SS and heat-resistant steel 310/330

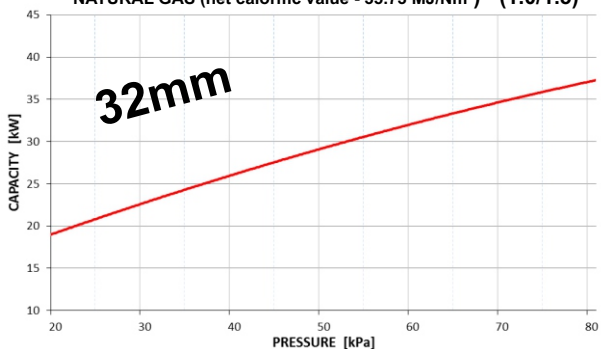
Air flow and pressure forced draught

NOTE: Refer to Bulletin SF-200 or SF-600 for more complete information.

FORCED DRAUGHT

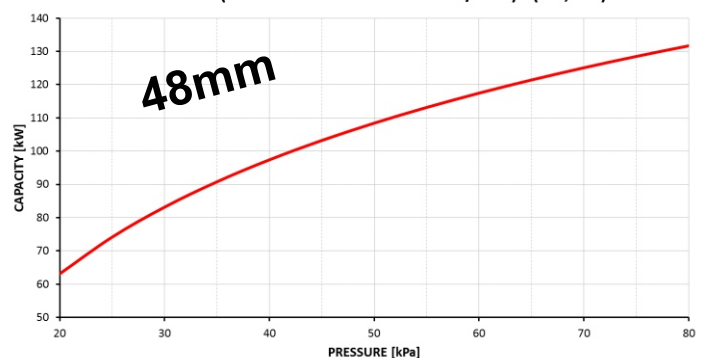
The Pilot capacity vs. gas pressure graphs
GAS PILOT type SP-32-NG-FD-xxx

NATURAL GAS (net calorific value - 35.73 MJ/Nm³) - (1.0/1.5)



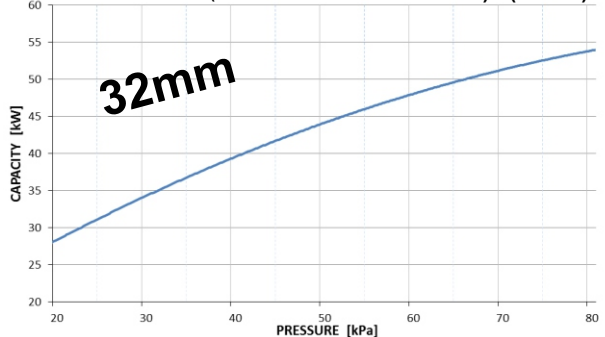
The Pilot capacity vs. gas pressure graphs
GAS PILOT type SP-48-NG-FD-xxx

NATURAL GAS (net calorific value - 35.73 MJ/Nm³) - (1.7; 3.2)



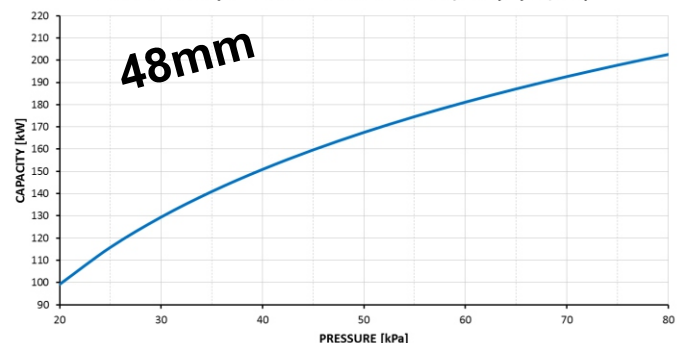
GAS PILOT type SP-32-PG-FD-xxx

PROPANE GAS (net calorific value - 91.26 MJ/Nm³) - (1.0/1.5)



GAS PILOT type SP-48-PG-FD-xxx

PROPANE GAS (net calorific value - 91.26 MJ/Nm³) - (1.7; 3.2)



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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FORCED DRAUGHT

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