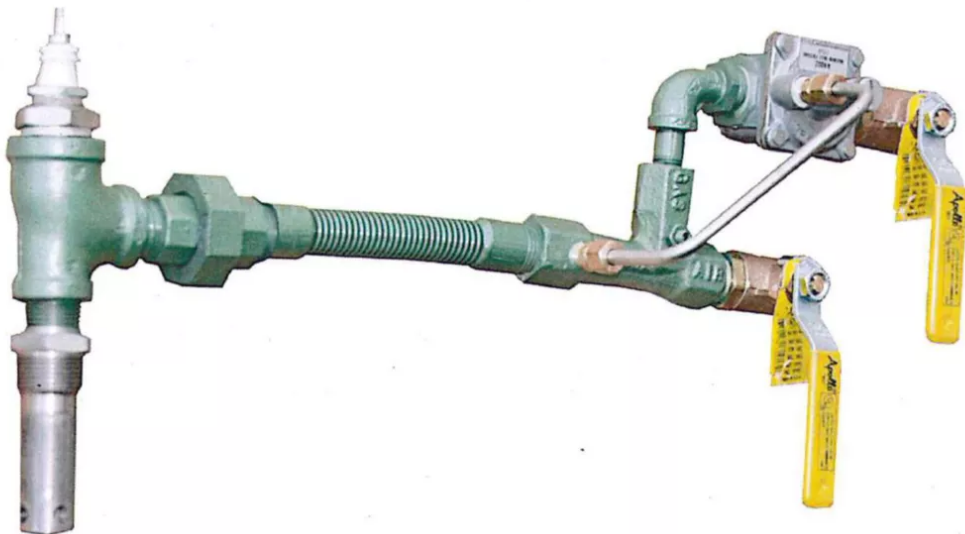


Ignition Gas Pilots IPG

Industrial pilot burner designed for fast, easy installation.

Overview



The IPG gas pilot is a factory assembled prepiped pilot gas unit that permits easy fast installation. IPGs provide a reliable means of lighting Hauck burners and many other makes of gas and oil burners. Each pilot is designed to provide flame stability and long life under severe operating conditions including compensation for burner and/or furnace back pressure. The IPG is available in three pilot sizes with 16 osig (6,900 Pa) capacity range of 21,800 to 80,500 Btu/hr (5.8 to 21.3 kW).

Features & Benefits:

- Air/gas mixer with finite fuel gas adjustment valve
- Heat resistant stainless steel alloy flame holder and nozzle
- Prepiped and assembled using industry accepted components and practices for ease of system integration and installation
- Back-loaded fuel gas regulator with automatic compensation for variations in burner or chamber back pressure
- Available manifold version with safety shutoff and leak test valves for simplified insurance approval and NFPA
- Code testing requirements

Specifications

AIR & COMBUSTION AIR SPECIFICATIONS

Air Supply Pressure Range

- 14 to 55 in.wc

IGNITION, FLAME & SUPERVISION SPECIFICATIONS

Spark Plug Gap

- Size 1: 1/8 to 1/4 in (3.2 to 6.4 mm)
- Size 2 and 3: 3/32 to 1/8 in (2.4 to 3.2 mm)

Ignition Type

- Electric spark ignition

Ignition Transformer Specs

- 5000/6000 V coil type transformer

DIMENSIONS & SIZE SPECIFICATIONS

Sizes

- IPG Gas Pilot Burners (IPG-411, IPG-412, IPG-413)



COMBUSTION, MIXING & FUEL DYNAMICS

Proper Mixture Indicator

- Small flames visible; blue flame; yellow=too rich

PRESSURE SPECIFICATIONS

Pressure Application Capability

- Neutral, negative, and positive pressure applications

Gas Supply Pressure

- 13.9 to 27.7 in wc

ACTUATION, VALVE & MOTION CONTROL SPECIFICATIONS

Pilot Nozzle Position

- Slightly behind burner nozzle discharge

COMBUSTION, FUEL & MIXING SUB-SYSTEMS

Pilot Components

- Gas Regulator, Air Ball Valve, Gas Ball Valve, Mixer, Pilot Nozzle, Union, Flex Nipple

MIXING & COMBUSTION SUB-COMPONENTS

Mixer Adjustment

- Set screw adjusts ratio: clockwise=lean, counter-clockwise=rich

MATERIAL SPECIFICATIONS

Material

- Stainless Steel

ELECTRICAL SPECIFICATIONS

Maintenance Interval

- Clean mixer jet and nozzle holes if clogged

FUEL, GAS & MEDIA SPECIFICATIONS

Fuel Type

- Natural Gas (other gaseous fuels possible – consult Hauck)

BURNER/FLAME-RELATED LENGTHS

Flame Length

- ~150–230 mm (size-dependent)

PERFORMANCE SPECIFICATIONS

Capacity

- 16,000 to 84,000 Btu/hr (= 4.2 to 22.2 kW)

MECHANICAL DESIGN & ADJUSTMENT CHARACTERISTICS

Back Loaded Feature

- Compensates air/fuel ratio for furnace/burner pressure changes

APPLICATIONS & COMPATIBILITY

Applications



- Ignition only (not intended as permanent pilots)
- Reliable ignition of Hauck burners and many other gas/oil burners

Filters

▼ CATEGORY

☒ Spare Part

▼ TYPE

☒ Spark Plug Assembly

☒ Spark Ignition Assembly

☒ Spark Ignitor

☒ Pilot Assembly

☒ Flame Rod Assembly

☒ Pilot Unit Assembly

☒ Nozzle Assembly

🔍 Search

Part Number	10004436-1
Description	KIT, SW, HI OR LF LMT, SZ 4 BDY, NEMA 6P & 1
Category	Spare Part
Type	Switch Kit
	Order Online
Part Number	10004436-2
Description	KIT, SW, HI AND LF LMT, SZ 4 BDY, NEMA 4X RA
Category	Spare Part
Type	Switch Kit
	Order Online
Part Number	10050296
Description	BSHG, RDCR, 0.5 IN. X 0.25 IN. NPT, HEX HEA
Category	Spare Part
Type	Bushing
	Order Online
Part Number	101028401
Description	KIT, LIT, AIG HP GAS AIR INSPIRATORS
Category	Spare Part
Type	Blower Kit
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Part Number	101028425
Description	KIT, LIT, IPG, IGN GAS PILOTS
Category	Spare Part
Type	Pilot Kit
	Order Online
Part Number	101028452
Description	KIT, LIT, RFS RFE, RETAIN A FLM GAS NOZZLES
Category	Spare Part
Type	Nozzle Kit
	Order Online



Part Number	802003426
Description	PILT UNIT ASSY, IPG5413 BKLD L/SOL VLVS
Category	Spare Part
Type	Pilot Unit Assembly
	Order Online
Part Number	HK1000B
Description	NZL, RFS3110A 1 STR
Category	Spare Part
Type	Burner Nozzle
	Order Online
Part Number	HK12703
Description	SPARKPLUG ASSY
Category	Spare Part
Type	Spark Plug Assembly
	Order Online
Part Number	HK12790
Description	A 21 ASSY, 1 GAS PILT
Category	Spare Part
Type	Pilot Assembly
	Order Online

Product Number



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- 10004436-1

KIT,SW,HI OR LF LMT,SZ 4 BDY,NEMA 6P & 1
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KIT,SW,HI OR LF LMT,SZ 4 BDY,NEMA 6P & 1
- 10004436-2

KIT,SW,HI AND LF LMT,SZ 4 BDY,NEMA 4X RA
- 10004436-2

KIT,SW,HI AND LF LMT,SZ 4 BDY,NEMA 4X RA
- 10050296

BSHG,RDCR,0.5 IN. X 0.25 IN. NPT,HEX HEA
- 10050296

BSHG,RDCR,0.5 IN. X 0.25 IN. NPT,HEX HEA
- 101028401

KIT,LIT,AIG HP GAS AIR INSPIRATORS
- 101028401

KIT,LIT,AIG HP GAS AIR INSPIRATORS
- 101028425

KIT,LIT,IPG,IGN GAS PILOTS



101028425

KIT,LIT,IPG,IGN GAS PILOTS

101028452

KIT,LIT,RFS RFE,RETAIN A FLM GAS NOZZLES

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KIT,LIT,RFS RFE,RETAIN A FLM GAS NOZZLES

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A 21 ASSY,1 GAS PILT

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A 21 ASSY,1 GAS PILT

