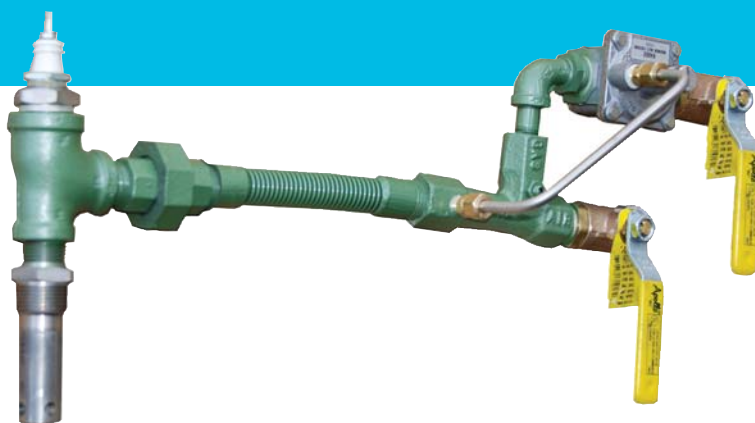




IPG

Ignition Gas Pilots

IPG-1
Edition 07-08



Hauck, a product brand
of the Elster Group



- Adjustable air/gas mixer
- Prepipied and assembled for easy installation
- Back-loaded gas pilot regulator
- Compensates for variations in burner or furnace back pressure
- High temperature alloy gas nozzle tip
- Available manifold version with safety shutoff and leak test valves for simplified insurance approval for most burner installations



The Hauck Back-loaded Ignition Gas Pilots (IPG) are factory assembled prepped pilot gas units that permit 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).

The IPG unit includes the nozzle assembly with alloy tip, flexible pipe, adjustable air/gas mixer, back-loaded gas pressure regulator, and manual air and gas shutoff valves. The optional manifold includes safety shutoff and leak test valves.

Two different IPG models are available: the 1400 series with a slip-fit ignition nozzle, and the 5400 series with a threaded ignition nozzle to ensure a tight seal to the burner.

**1400 Series IPG****5400 Series IPG****1400 & 5400 Series IPG
with Gas Manifold**

BURNER MODEL NUMBER	SPARK IGNITED PILOT MODEL
779P-781P	IPG 1411
779PAC-781PAC	IPG 1411
782P-783P	IPG 1412
782PAC-783PAC	IPG 1412
784P-786P	IPG 1413
784PAC-786PAC	IPG 1413
BBC _104	IPG 5411
BBC _106 - _118	IPG 5413
BBG _104	IPG 5411
BBG _106 - _118	IPG 5413
EJC 115 - 140	IPG 5411
NMC 210-230**	IPG 1411
NMC 240	IPG 1413
NMC 260	IPAG 1413 (M= 8 1/2")*
NMG 210-230**	IPG 1411
NMG 240	IPG 1413
NMG 260	IPAG 1413 (M= 8 1/2")*
RKG 112-140	IPG 5411
SVC 115	IPAG 5411 (M=2 15/16")*
SVC 120-125	IPAG 5411 (M=4 9/16")*
SVC 130-140	IPAG 5411 (M=5")*
WHG 112-140	IPG 5411

* IPAG refers to pilots with extended nozzles. Give complete burner model number when ordering replacement pilot assemblies to ensure receiving correct length.

** For the NMG/C 210-230, if the secondary air inlet is in line with the gas pilot connection, the special 45° IPG 2411 pilot must be used.

For additional information on this product, visit our website at:

www.hauckburner.com

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of the Elster Group



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IPG IGNITION GAS PILOTS BACK-LOADED GAS

SPECIFICATIONS	PILOT SIZE		
	1	2	3
Port Area (in ²)	0.069	0.122	0.254
Input @ Stoichiometric Air/Fuel (Btu/hr)	21,800	40,800	80,500
Air Flow @ 27.7"wc (scfh)	205	385	760

NOTES:

1. Capacities based on natural gas with HHV of 1034 Btu/ft³, a stoichiometric air/gas ratio of 9.74:1 with a 6"wc mixture pressure and the pilot firing into burner.
2. Ambient combustion air is required at a constant air pressure to the inlet of the mixing tee in the 14 - 55"wc range; capacities listed based on static air pressure of 27.7"wc.
3. Ambient gas should be supplied to the inlet of the gas regulator at a nominal 14"wc; maximum gas supply pressure is 27.7"wc.

(Metric Capacities on Reverse Side.)

In accordance with Hauck's commitment to Total Quality Improvement, Hauck reserves the right to change the specifications of products without prior notice.

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www.hauckburner.com

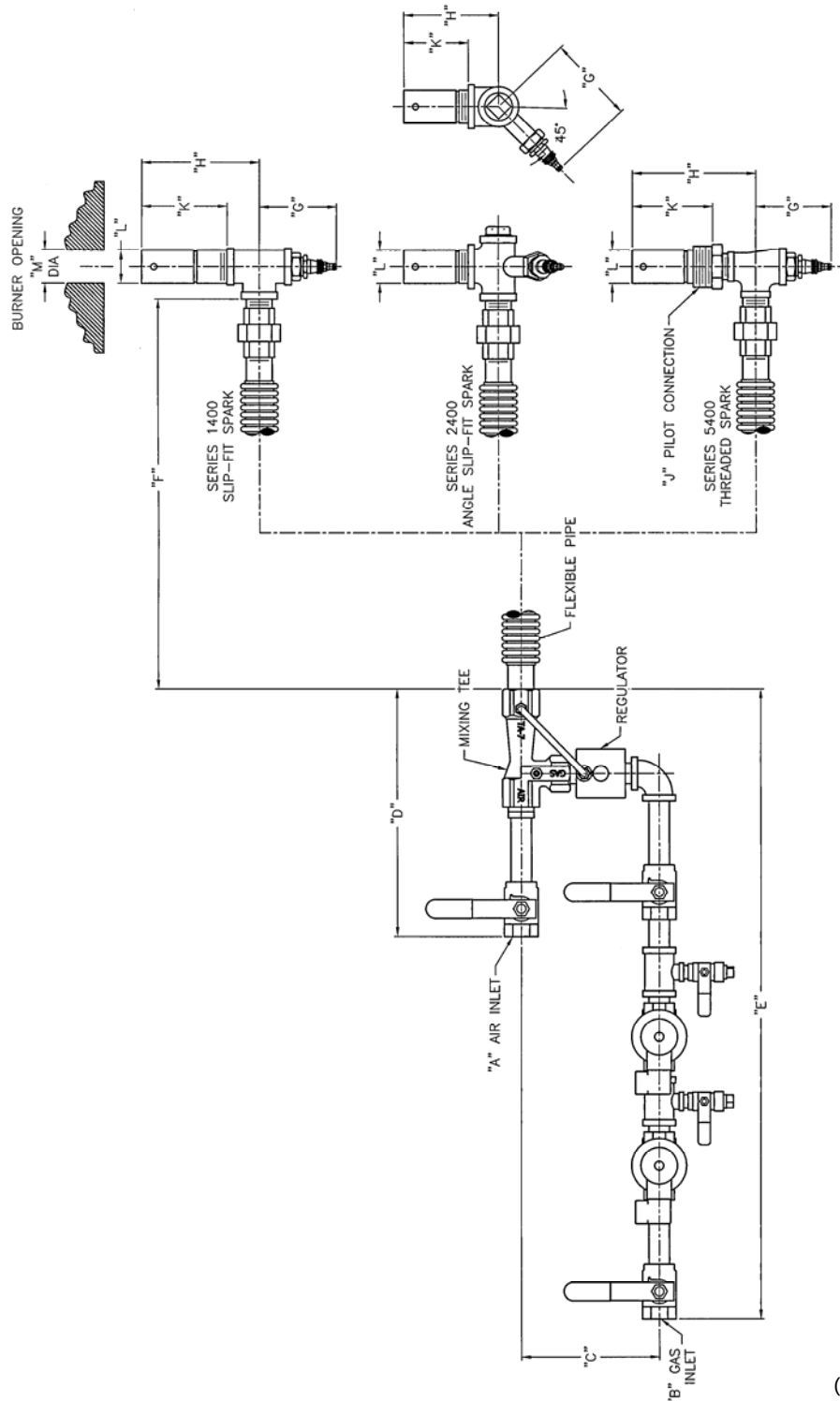
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ventas@morterahauck.com

IPG-2

IPG IGNITION GAS PILOTS BACK-LOADED GAS



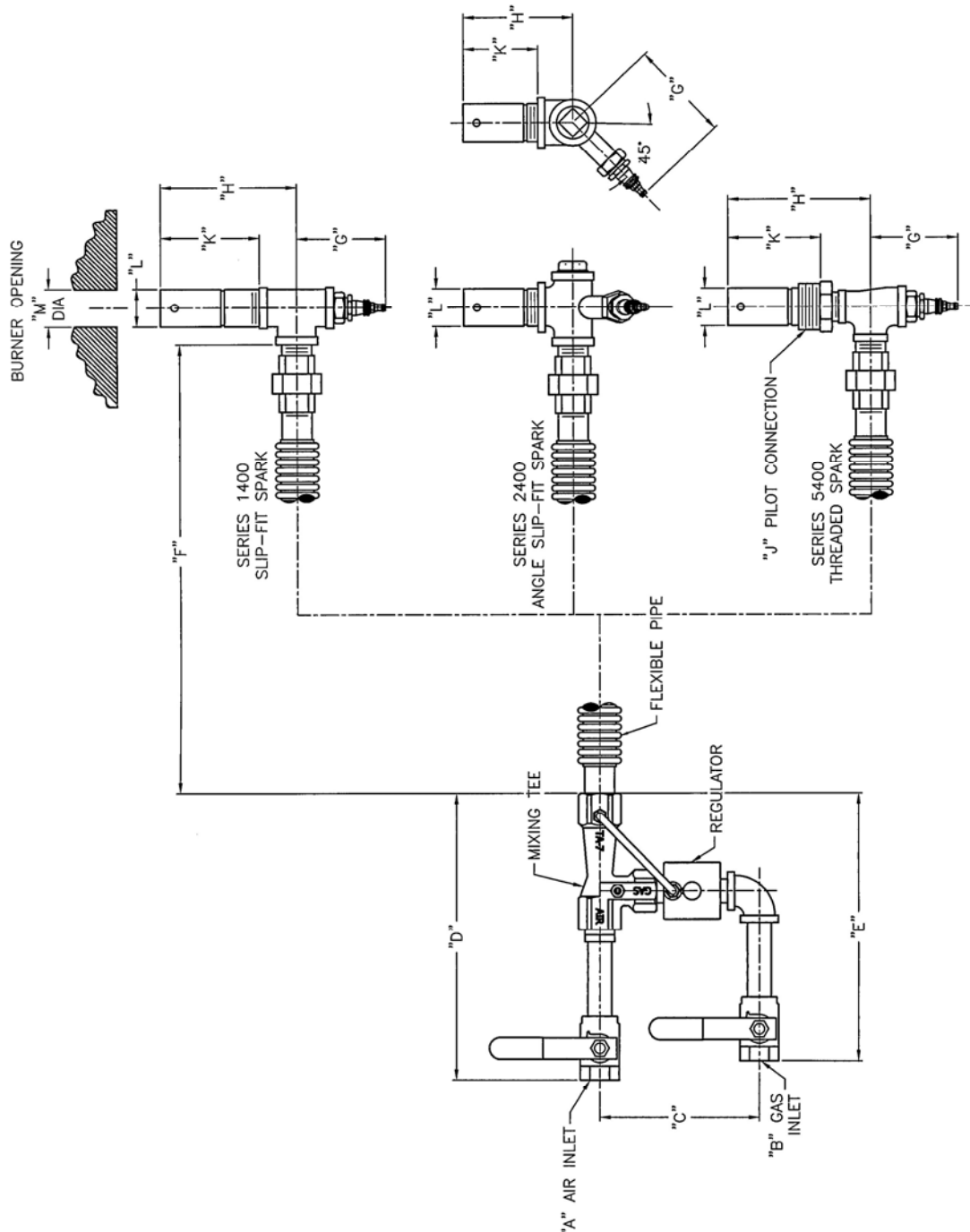
MODEL NO.	A	B	C	D	E	F	G	H	J	K	L	M (MIN-MAX)
1411	3/8 NPT	3/8 NPT	3 7/16	8 1/16	26 13/16	5 5/8	2 15/16	3 1/2	—	2 7/16	27/32	.862--.856
1412	1/2 NPT	1/2 NPT	5 5/8	10 1/8	25 3/4	6 1/4	3	4 3/8	—	3	1 1/16	1.072--1.066
1413	1/2 NPT	1/2 NPT	5 5/8	10 1/8	25 3/4	6 1/4	3	5	—	3 7/16	1 5/16	1.337--1.331
2411	3/8 NPT	3/8 NPT	3 7/16	8 1/16	26 13/16	5 5/8	3 1/16	3 1/2	—	2 7/16	27/32	.862--.856
5411	3/8 NPT	3/8 NPT	3 7/16	8 1/16	25 3/4	5 5/8	2 15/16	4 3/8	3/4 NPT	2 9/16	27/32	—
5413	1/2 NPT	1/2 NPT	5 5/8	10 1/8	25 3/4	6 1/4	3	5 3/8	1 1/4 NPT	2 15/16	1 11/32	—

(See Reverse Side For Metric Dimensions)

Y8131
(NOT TO SCALE)

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IPG IGNITION GAS PILOTS BACK-LOADED GAS LESS SOLENOID VALVES



MODEL NO.	A	B	C	D	E	F	G	H	J	K	L	M (MIN-MAX)
1411	3/8 NPT	3/8 NPT	3 7/16	8 1/16	11 1/16	5 5/8	2 15/16	3 1/2	-	2 7/16	27/32	.862-.856
1412	1/2 NPT	1/2 NPT	5 5/8	10 1/8	9 7/16	6 1/4	3	4 3/8	-	3	1 1/16	1.072-1.066
1413	1/2 NPT	1/2 NPT	5 5/8	10 1/8	9 7/16	6 1/4	3	5	-	3 7/16	1 5/16	1.337-1.331
2411	3/8 NPT	3/8 NPT	3 7/16	8 1/16	11 1/16	5 5/8	3 1/16	3 1/2	-	2 7/16	27/32	.862-.856
5411	3/8 NPT	3/8 NPT	3 7/16	8 1/16	9 7/16	5 5/8	2 15/16	4 3/8	3/4 NPT	2 9/16	27/32	-
5413	1/2 NPT	1/2 NPT	5 5/8	10 1/8	9 7/16	6 1/4	3	5 3/8	1 1/4 NPT	2 15/16	1 11/32	-

Y2375
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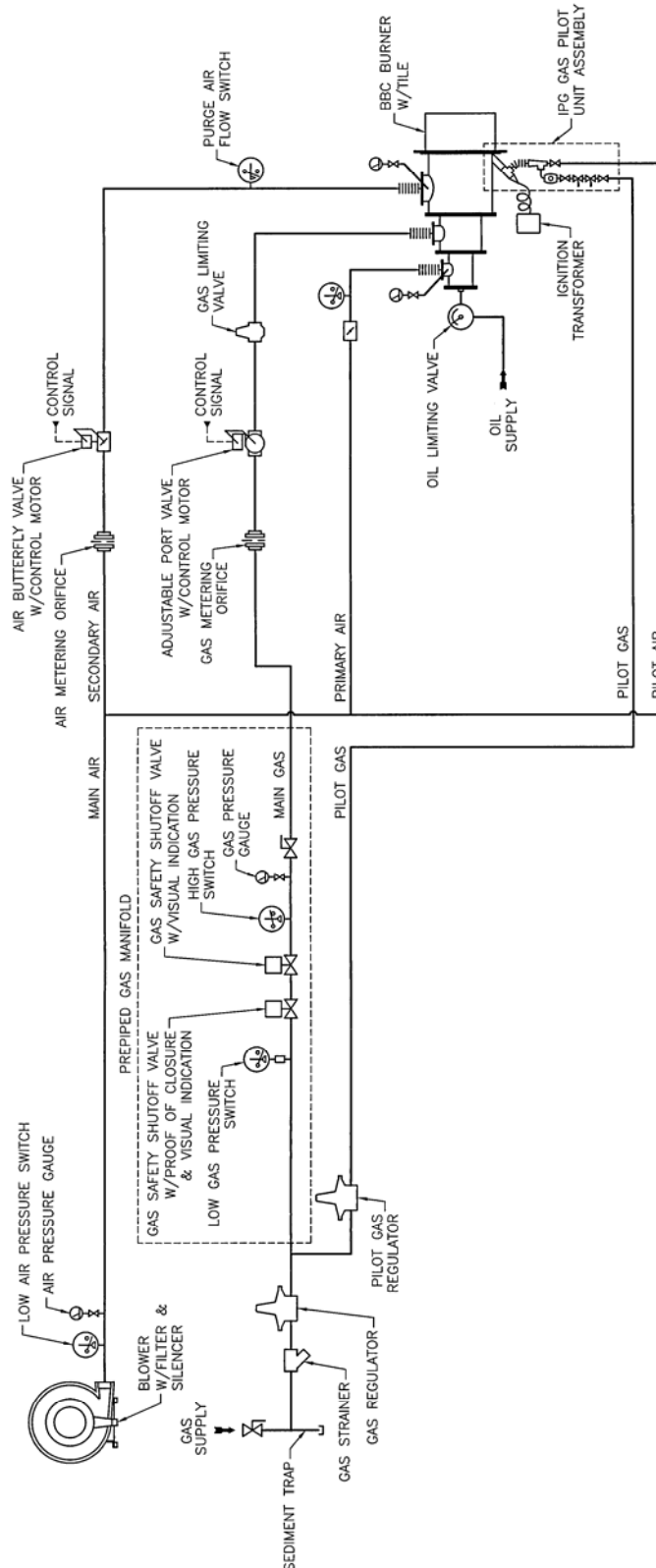
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IPG-3.1



IPG IGNITION GAS PILOTS

TYPICAL PILOT INSTALLATION



W6564
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IPG-4