

IPG GAS PILOT BURNERS

IPG Gas Pilot Burner Operational Information

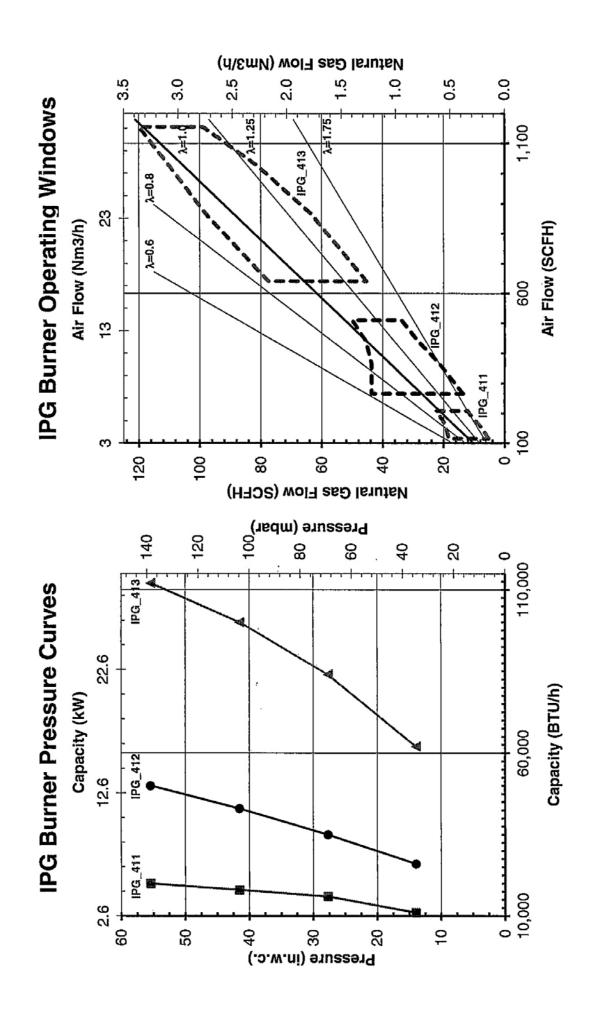
NATURAL GAS, AMBIENT COMBUSTION AIR OPERATION

SPECIFICATIONS		BURNER SIZE		
		_411	_412	_413
Capacity (at 10% Excess Air)	(BTU/hr)	16,000	35,000	84,000
	(kW)	4.2	9.3	22.2
Air Capacity	(SCFH)	160	365	865
	(nm³/hr)	4.3	9.8	23.2
Air Pressure (to the mixing tee)	(in.w.c.)	27.7	27.7	27.7
	(mbar)	68.9	68.9	68.9
Gas Pressure (to inlet of regulator)	(in.w.c.)	13.9	13.9	13.9
	(mbar)	34.5	34.5	34.5
Pilot Mixture Pressure	(in.w.c.)	10.0	6.2	5.5
	(mbar)	24.9	15.4	13.7
Flame Length (at 10% Excess Air)	(in)	6.0	9.0	9.0
	(mm)	152	229	229
Operating Limits	(λ Max)	2.00	1.75	1.40
	(λ Min)	0.85	0.91	0.96

NOTES

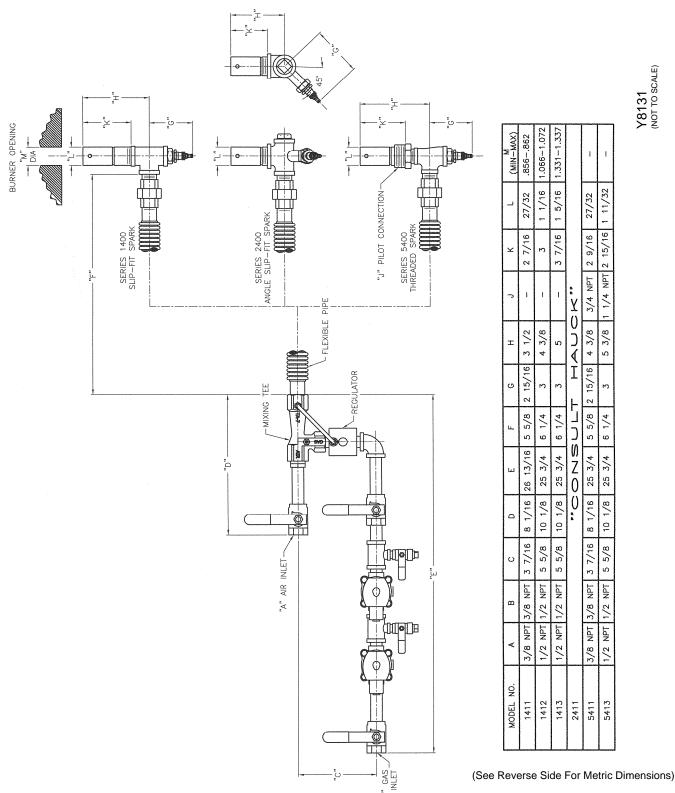
- 1. Capacities based on Natural Gas with HHV of 1034 BTU/ft³ (Standard), and LHV of 10.21 kWh/nm3 (Metric), 0.62 S.G., and a stoichiometric ratio of 9.74:1 with burner firing into chamber under no pressure at 10% excess air.
- 2. Air and fuel flows based on STP operating conditions at sea level and industry standard air and gas piping practices.
- 3. Air flow to the pilot is listed at 27.7 in.w.c., or 68.8 mbar, with ambient temperature air. Pilots can be operated with a minimum supply pressure of 13.9 in.w.c., or 34.5 mbar, up to a maximum supply pressure of 56 in.w.c., or 140 mbar.
- 4. Fuel flow to the pilot to be ambient temperature with a minimum supply pressure of 13.9 in.w.c., or 34.5 mbar, up to a maximum supply pressure of 28 in.w.c., or 70 mbar.
- 5. Pilot is suitable for use on gaseous fuels other than Natural Gas, consult Hauck.

(OVER)





IPG GAS PILOT BURNERS WITH SOLENOID VALVES



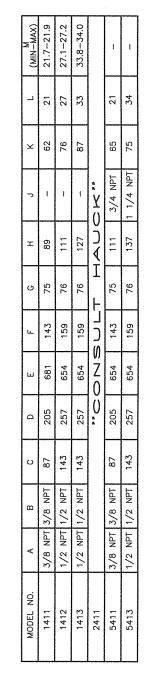
In accordance with Hauck's commitment to Total Quality Improvement, Hauck reserves the right to change the specifications of products without prior notice.

Y8131 (NOT TO SCALE)

METRIC DIMENSIONS

IPG GAS PILOT BURNERS WITH SOLENOID VALVES

Y8131 METRIC (NOT TO SCALE)

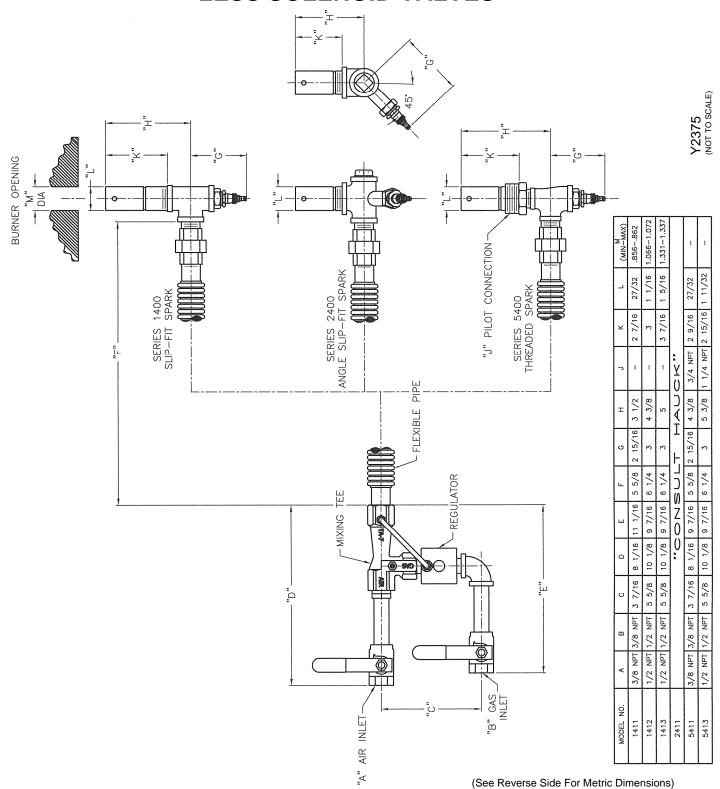


BURNER OPENING "J" PILOT CONVECTION SERIES 2400 ANGLE SLIP—FIT SPAR SERIES SLIP-FIT FLEXIBLE AIR INLET " GAS -

NOTES: 1. DIMENSIONS AIR IN MM.

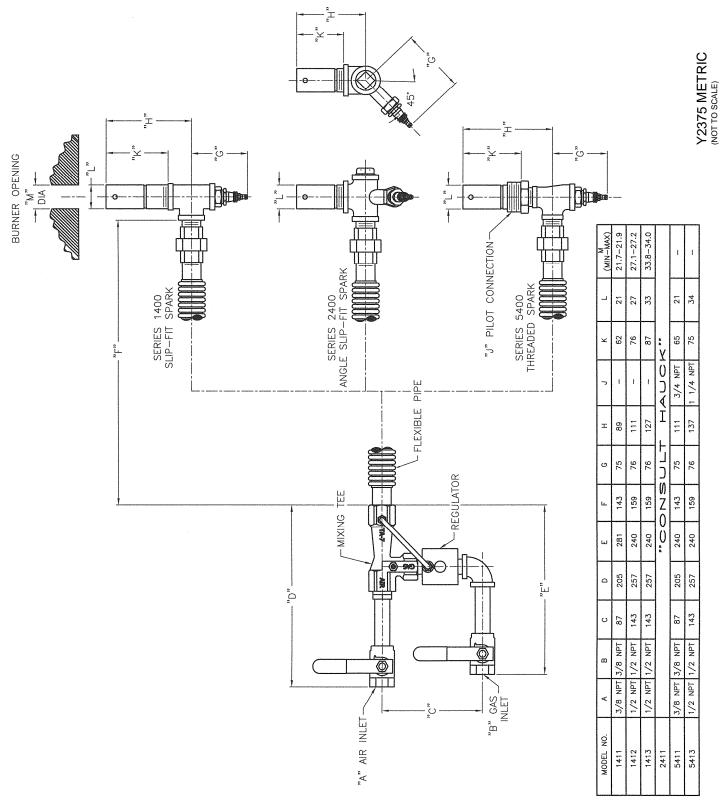


IPG GAS PILOT BURNERS LESS SOLENOID VALVES



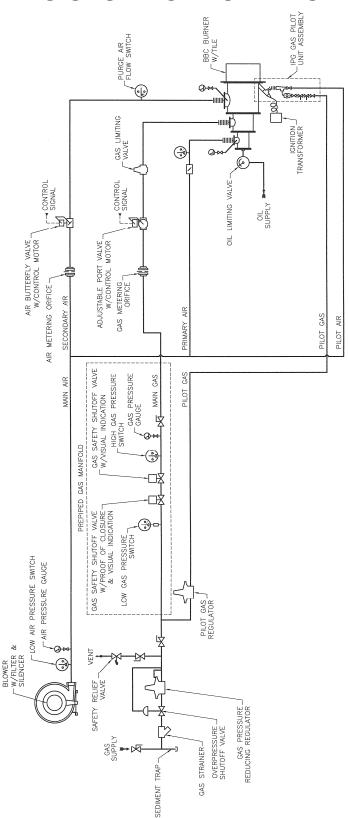
METRIC DIMENSIONS

IPG GAS PILOT BURNERS LESS SOLENOID VALVES





IPG GAS PILOT BURNERS



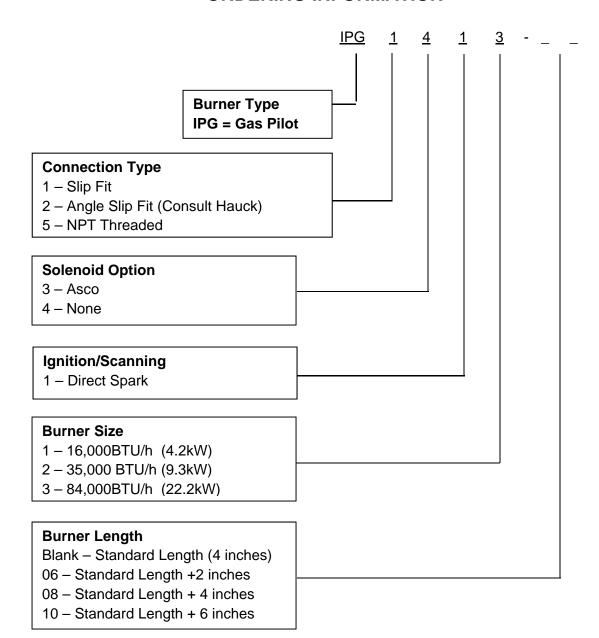
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IPG GAS PILOT BURNERS ORDERING INFORMATION



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