

PG160 Series Gas Burner



PG160 Gas Burner features:

- Available configured for Natural Gas, LPG or Biogas - other gases on request
- Applications include steam and high pressure hot water boilers, as well as more diverse processes such as rotary dryers
- Separate floor-mounted combustion air fan unit or monoblock design
- Fully modulating operation as standard
- Microprocessor based Autoflame burner management (Siemens LMV5 or ETC options) with servo motor fuel/air ratio management for up to 7:1 turndown
- Integrated PID control for accurate response to demand
- Optional Extras:
 - Exhaust gas analysis for passive monitoring of emissions
 - Oxygen trim for improved emissions control
 - Variable speed drive combustion fan for improved electrical efficiency
 - Air inlet silencer (<85 dBA)
 - Simple sliding high / low control (Siemens LFL1)
 - Separate or integrated water level controls for steam boiler
 - Data Transfer interface
 - Low NOx head design (<80mg/kWh)*
- Optional air and gas handing configurations available to suit appliance
- All kW ratings in net CV

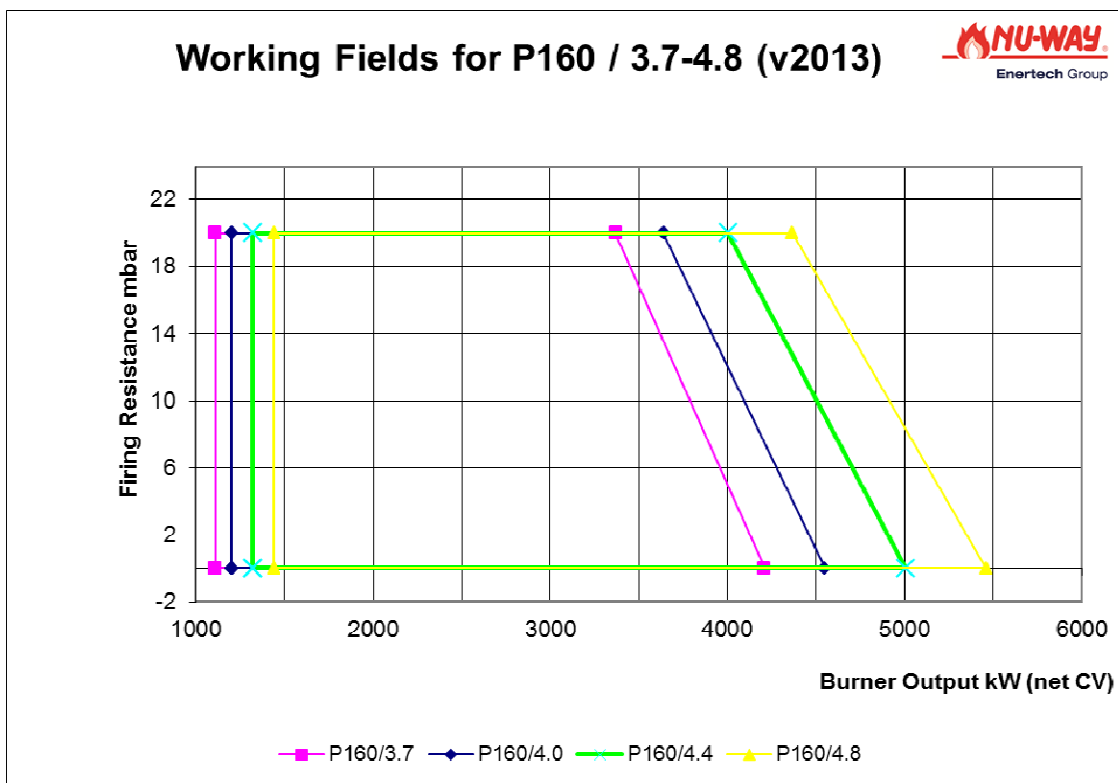


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Model PG		160/3.7	160/4.0	160/4.4	160/4.8
Output (NCV)	MW	3.3	3.6	3.9	4.3
Fan Size	kW	11	11	11	11
Electrical Supply	V/Hz	400/50	400/50	400/50	400/50
Gas train inlet conn.		PN16 DN80	PN16 DN80	PN16 DN80	PN16 DN80
Gas train size		3"	3"	3"	3"
Gas inlet pressure (min/max)	mbar	140/300	140/300	140/300	140/300
Operation		Fully Modulating	Fully Modulating	Fully Modulating	Fully Modulating
Control Unit (Siemens & ETC options)		Autoflame Mini Mk8	Autoflame Mini Mk8	Autoflame Mini Mk8	Autoflame Mini Mk8
Turndown		up to 7:1	up to 7:1	up to 7:1	up to 7:1
Flame Monitor		UV Sensor	UV Sensor	UV Sensor	UV Sensor
Flame tube lengths	mm	430/610	430/610	430/610	430/610
Noise	dBA	93 <85 with silencer	93 <85 with silencer	93 <85 with silencer	93 <85 with silencer
NOx	mg/kWh	140-190*	140-190*	140-190*	140-190*
CO	mg/kWh	<100	<100	<100	<100

Information for standard design and subject to change.

* Low NOx head design <80mg/kWh subject to suitable combustion chamber design.



BURNER DESIGNATION

PGN160/4.8 LN MM3NA 610
 P = Burner Series
 G = Gas
 N = Natural Gas, T = Towns Gas
 160 = Casing Size
 4.8 = Maximum Output MW (GCV)
 LN = Low NOx head design
 MM = Micro Modulation Control
 3 = 3 Phase Electrical Supply
 N = No Control Junction Box on Burner
 A = Autoflame Burner Programmer, L = Siemens LMV5
 610 = 610mm Flame Tube Projection

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Issue 08/15