

PG250 LN Series Gas Burner



PG250 LN Gas Burner features:

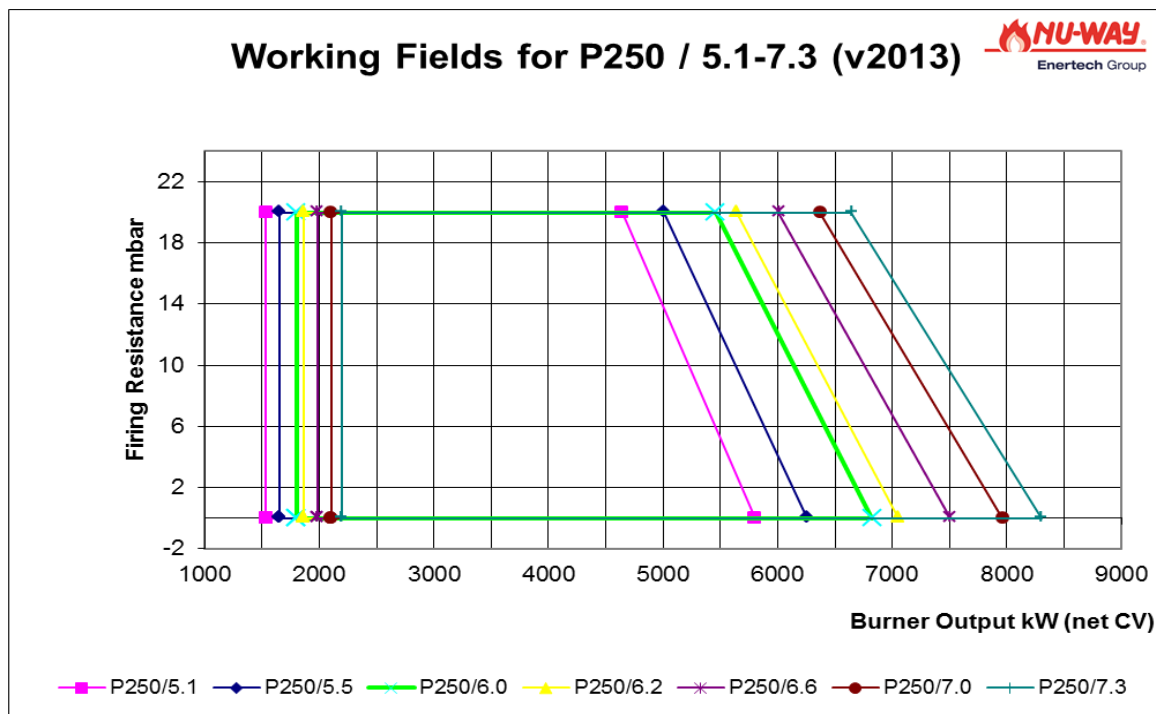
- Available configured for Natural Gas or LPG, other gases on request
- Low NOx head design (<80mg/kWh)*
- Applications include steam and high pressure hot water boilers, as well as more diverse processes such as rotary dryers
- Separate floor-mounted combustion air fan unit or monoblock design
- Fully modulating operation as standard
- Microprocessor based Autoflame burner management (Siemens LMV5 option) 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)
 - Non Autoflame mechanical linkage
 - Separate or integrated water level controls for steam boiler
 - Data Transfer interface
- Optional air and gas handling configurations available to suit appliance
- All kW ratings are nett CV



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Model PG		250/5.1	250/5.5	250/5.4	250/6.2	250/6.6	250/7.0	250/7.3
Max.Output / Res. (nett CV)	MW	4.6	5.4	5.4	5.6	5.9	6.3	6.6
Fan Size	kW	11	11	11	11	11	15	15
Electrical Supply	V/Hz	400/50	400/50	400/50	400/50	400/50	400/50	400/50
Gas train inlet conn.		PN16 DN80	PN16 DN80	PN16 DN80	PN16 DN80	PN16 DN80	PN16 DN80	PN16 DN80
Gas train size		3"	3"	3"	3"	3"	3"	3"
Gas inlet pressure (min/max)	mbar	140/300	140/300	140/300	140/300	140/300	140/300	140/300
Operation		Fully Modulating	Fully Modulating	Fully Modulating	Fully Modulating	Fully Modulating	Fully Modulating	Fully Modulating
Control Unit		Autoflame Mini Mk8	Autoflame Mini Mk8	Autoflame Mini Mk8	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	up to 7:1	up to 7:1	up to 7:1
Flame Monitor		UV Sensor	UV Sensor	UV Sensor	UV Sensor	UV Sensor	UV Sensor	UV Sensor
Flame tube lengths	mm	430/610	430/610	430/610	430/610	430/610	430/610	430/610
Noise @ 1m	dBA	93	93	93	93	93	93	93
NOx *	mg/kWh	< 80	< 80	< 80	< 80	< 80	< 80	< 80
CO	mg/kWh	<100	<100	<100	<100	<100	<100	<100

*Note that the NOx performance is subject to combustion chamber design



BURNER DESIGNATION

PGN 250/5.1 LN MM3NA 610
P = Burner Series
G = Gas
N = Natural Gas, T = Towns Gas
250 = Casing Size
5.1 = 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

Enertech Limited, Ten Acres, Berry Hill Industrial Estate,
Droitwich Spa, Worcestershire, WR9 9AQ

tel: +44 (0) 1905 794331 • fax: +44 (0) 1905 794017
email: info@nu-way.co.uk • web: www.nu-way.co.uk



Enertech Group

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