PG Series
Gas Burner

PG Gas Burner features:

- Available configured for Natural Gas or LPG, 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
- Fully modulating operation as standard
- Microprocessor based Autoflame burner management
- Integrated PID control for accurate response to demand
- Linkageless fuel/air ratio management for minimum 3:1 turndown
- Optional features:
  - 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
- Optional air and gas handling configurations available to suit appliance
- All kW ratings are nett CV

For more information on all Nu-way products please visit **www.nu-way.co.uk**

NU-WAY®
Enertech Group

Type		PGN 160	PGN 250	PGN 310	PGN 400	PGN 490
Model - Output (nett CV)	MW	160/3.7 - 3.3	250/5.1 - 4.6	310/7.7 - 6.9	400/9.5 - 8.5	490/12.1 - 10.9
		160/4.0 - 3.6	250/5.5 - 5.4	310/8.0 - 7.2	400/9.9 - 8.9	490/12.5 - 11.2
		160/4.4 - 3.9	250/6.0 - 5.4	310/8.4 - 7.6	400/10.3 - 9.3	490/12.8 - 11.5
		160/4.8 - 4.3	250/6.2 - 5.6	310/8.8 - 7.9	400/10.6 - 9.6	490/13.2 - 11.9
			250/6.6 - 5.9	310/9.2 - 8.3	400/11.0 - 9.9	490/13.6 - 12.2
			250/7.0 - 6.3		400/11.4 - 10.3	490/13.9 - 12.5
			250/7.3 - 6.6		400/11.7 - 10.5	490/14.3 - 12.9
Fan Size	kW	160/3.7 11	250/5.1 11	310/7.7 15	400/9.5 18.5	490/12.1 30
		160/4.0 11	250/5.5 11	310/8.0 15	400/9.9 22	490/12.5 30
		160/4.4 11	250/6.0 11	310/8.4 15	400/10.3 22	490/12.8 30
		160/4.8 11	250/6.2 11	310/8.8 18.5	400/10.6 22	490/13.2 30
			250/6.6 11	310/9.2 18.5	400/11.0 22	490/13.6 30
			250/7.0 15		400/11.4 22	490/13.9 30
			250/7.3 15		400/11.7 22	490/14.3 30
Pump Motor - Distillate Fuel	kW	160/3.7 1.5	250/5.1 3.0	310/7.7 3.0	400/9.5 4.0	490/12.1 5.5
		160/4.0 1.5	250/5.5 3.0	310/8.0 3.0	400/9.9 4.0	490/12.5 5.5
		160/4.4 1.5	250/6.0 3.0	310/8.4 3.0	400/10.3 4.0	490/12.8 5.5
		160/4.8 3.0	250/6.2 3.0	310/8.8 4.0	400/10.6 5.5	490/13.2 5.5
			250/6.6 3.0	310/9.2 4.0	400/11.0 5.5	490/13.6 5.5
			250/7.0 3.0		400/11.4 5.5	490/13.9 5.5
			250/7.3 3.0		400/11.7 5.5	490/14.3 5.5
Pump Motor - Residual Fuel	kW	160/3.7 1.5	250/5.1 3.0	310/7.7 3.0	400/9.5 4.0	490/12.1 5.5
		160/4.0 1.5	250/5.5 3.0	310/8.0 3.0	400/9.9 4.0	490/12.5 5.5
		160/4.4 1.5	250/6.0 3.0	310/8.4 3.0	400/10.3 4.0	490/12.8 5.5
		160/4.8 3.0	250/6.2 3.0	310/8.8 4.0	400/10.6 5.5	490/13.2 5.5
			250/6.6 3.0	310/9.2 4.0	400/11.0 5.5	490/13.6 5.5
			250/7.0 3.0		400/11.4 5.5	490/13.9 5.5
			250/7.3 3.0		400/11.7 5.5	490/14.3 5.5
Pre-Heater – Residual Fuel only	kW	160/3.7 15	250/5.1 24	310/7.7 33	400/9.5 48	490/12.1 54
		160/4.0 18	250/5.5 24	310/8.0 33	400/9.9 48	490/12.5 54
		160/4.4 18	250/6.0 24	310/8.4 36	400/10.3 48	490/12.8 54
		160/4.8 24	250/6.2 27	310/8.8 36	400/10.6 48	490/13.2 54
			250/6.6 27	310/9.2 48	400/11.0 48	490/13.6 54
			250/7.0 30		400/11.4 48	490/13.9 54
			250/7.3 30		400/11.7 48	490/14.3 54
Electrical Supply	V/Hz	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50
Gas train inlet conn.		PN16 DN80	PN16 DN80	PN16 DN80/ PN16 DN100	PN16 DN100	PN16 DN100/ PN16 DN125
Gas train size		3"	3"	3" / 4"	4"	4" / 5"
Max gas inlet pressure	mbar	300	300	300	300	300
Operation		Fully Modulating	Fully Modulating	Fully Modulating	Fully Modulating	Fully Modulating
Control unit		Autoflame Mini Mk7	Autoflame Mini Mk7	Autoflame Mini Mk7	Autoflame Mini Mk7	Autoflame Mini Mk7
Turndown (minimum)		3:1	3:1	3:1	3:1	3:1
Flame monitor		UV Sensor	UV Sensor	UV Sensor	UV Sensor	UV Sensor
Flame tube lengths	mm	230/340/430	230/340/430	230/340/430	230/340/430	230/340/430

Burner Designation

Example: **P G N 310 / 8.4**

Burner Prefix

Fuel Type
G = Gas

Fuel Sub Type
N = Natural Gas
L = LPG

Burner Casing Size

Burner Model

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