

PG490 Series Gas Burner



PG490 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 option
- 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



ISO9001

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

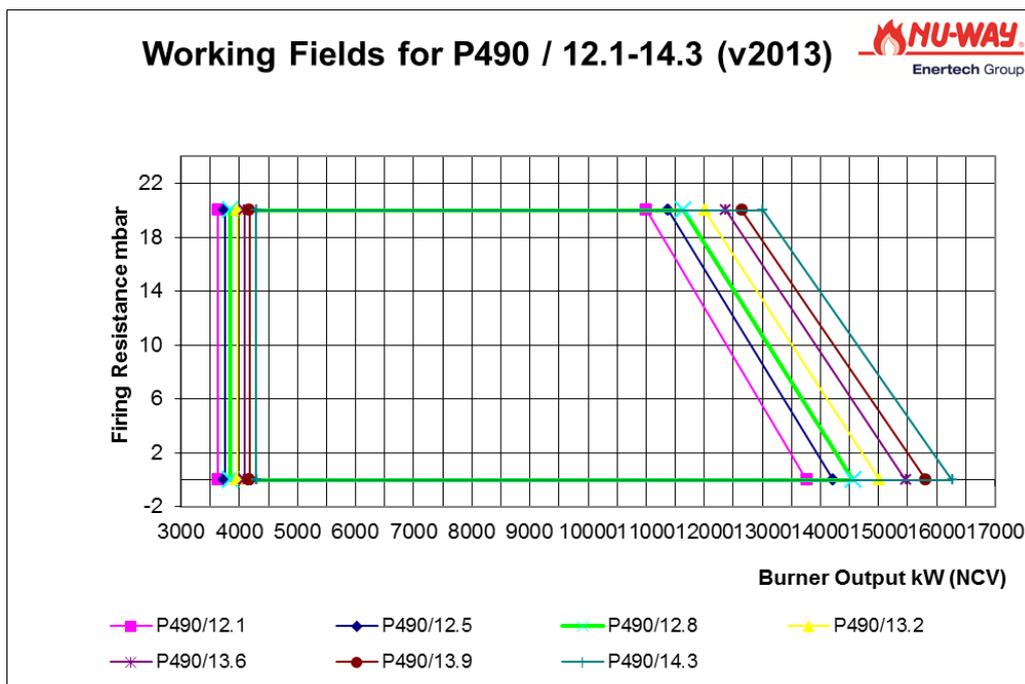


Enertech Group

Model PG		490/12.1	490/12.5	490/12.8	490/13.2	490/13.6	490/13.9	490/14.3
Max Output / Res. (nett CV)	MW	10.9	11.2	11.5	11.9	12.2	12.5	12.9
Fan Size	kW	30	30	30	30	30	30	30
Electrical Supply	V/Hz	400/50	400/50	400/50	400/50	400/50	400/50	400/50
Gas train inlet conn.		PN16 DN125						
Gas train size		5"	5"	5"	5"	5"	5"	5"
Gas inlet pressure (min/max)	mbar	140/300	140/300	140/300	140/300	140/300	140/300	140/300
Operation		Fully Modulating						
Control Unit		Autoflame Mini Mk8						
Turndown		up to 7:1						
Flame Monitor		UV Sensor						
Flame tube lengths	mm	430/610	430/610	430/610	430/610	430/610	430/610	430/610
Noise	dBA	93 <85 with silencer						
NOx	mg/kWh	140-190*	140-190*	140-190*	140-190*	140-190*	140-190*	140-190*
CO	mg/kWh	<100	<100	<100	<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

PGN490/12.1 LN MM3NA 610
P = Burner Series
G = Gas
N = Natural Gas, T = Towns Gas
490 = Casing Size
12.1 = 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

23-10-2018