

PO400 Oil Burner



PO400 Oil Burner features:

- Available configured for distillate or residual oils, other liquid fuels 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
- Pressure atomisation (no compressed air or steam required)
- Fully modulating operation as standard on both fuels
- Microprocessor based Autoflame sequence control (Siemens LMV5 or ETC options) with servo motor fuel/air ratio management for up to 4:1 turndown (oil)
- Factory-set spillback pressures for straightforward commissioning
- Skid mounted oil pump and heater sets for easy installation
- 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 (DTI)
 - Low NOx head (<120mg/kWh)*
- Optional air handling configurations available to suit appliance
- All KW ratings in net CV

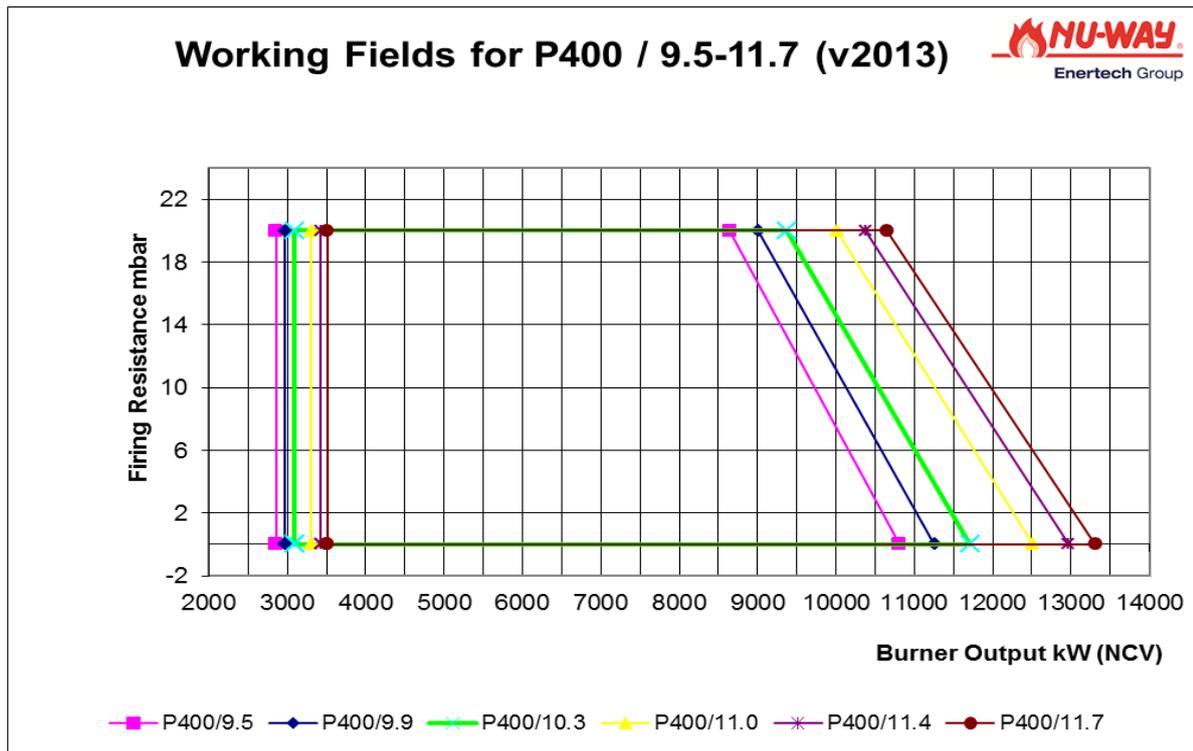


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Model PO		400/9.5	400/9.9	400/10.3	400/10.6	400/11.0	400/11.4	400/11.7
Max.Output / Res. (NCV)	MW	8.5	8.9	9.3	9.6	9.9	10.3	10.5
Fan Size	kW	22	22	22	22	22	30	30
Oil Pump Motor	kW	4.0	4.0	4.0	5.5	5.5	5.5	5.5
Oil Pre-heater (Residual Fuel only)	kW	30	30	30	30	36	36	36
Electrical Supply	V/Hz	400/50	400/50	400/50	400/50	400/50	400/50	400/50
Oil inlet pressure	psi	5 to 10						
Fuel pump		T3						
Operation		Fully Modulating						
Control Unit		Autoflame Mini Mk8						
Turndown		up to 4:1						
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	200-280*	200-280*	200-280*	200-280*	200-280*	200-280*	200-280*
CO	mg/kWh	<110	<110	<110	<110	<110	<110	<110

Information for standard design and subject to change.

* Low NOx head design <120mg/kWh subject to suitable combustion chamber design.



BURNER DESIGNATION

POL 400/9.5 LN MM3NA 610
P = Burner Series
O = Oil
L = Light Fuel Oil (Diesel), G = Class G HFO
400 = Casing Size
9.5 = 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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