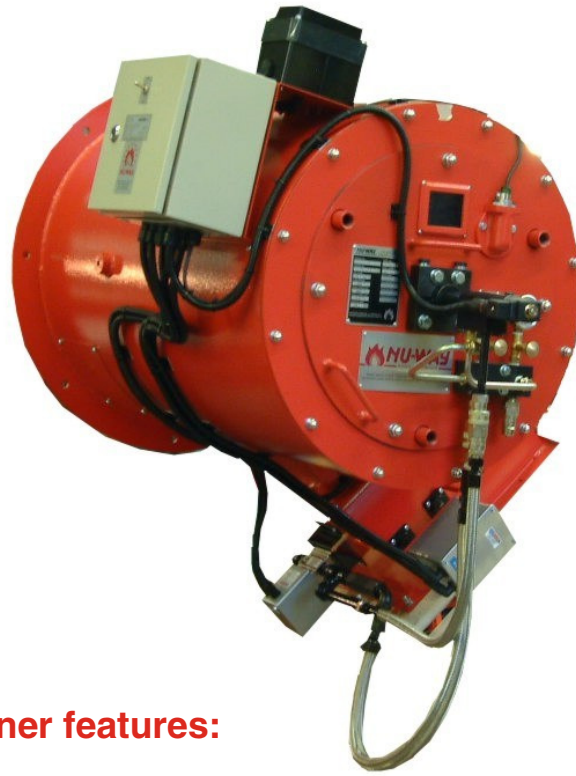


PO250 Oil Burner



PO250 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 (<80mg/kWh)*
- Optional air handling configurations available to suit appliance
- All KW ratings in net CV



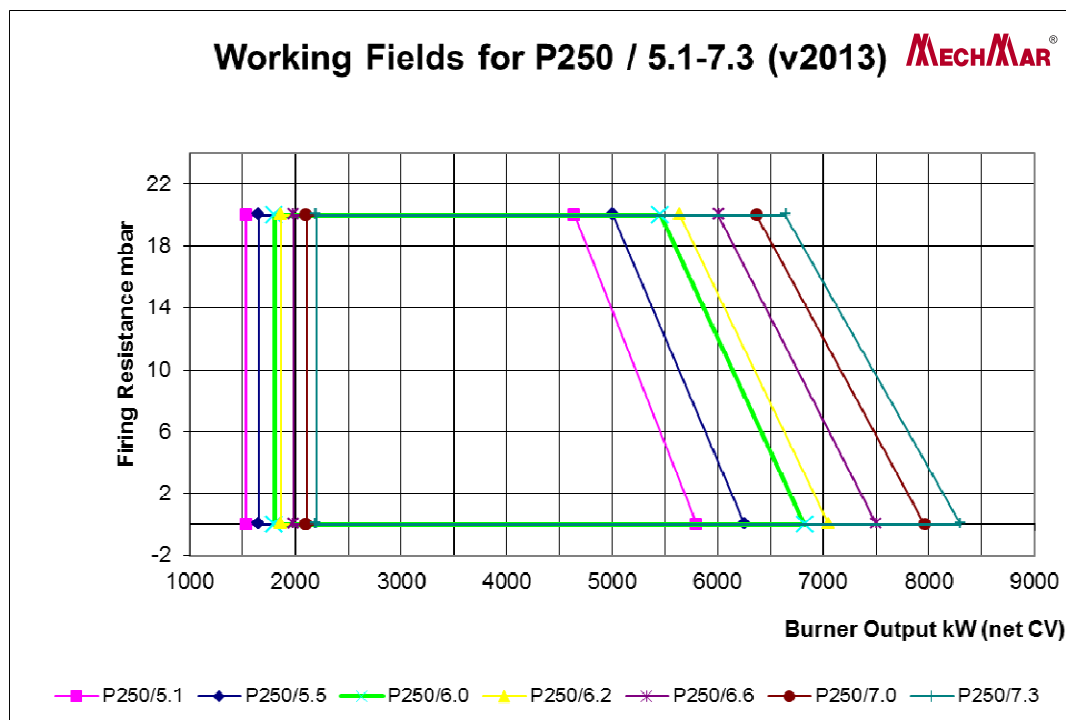
For more information on Mechmar products
please visit www.mechmar.com.sg

MECHMAR®

| Model PO | | 250/5.1 | 250/5.5 | 250/6.0 | 250/6.2 | 250/6.6 | 250/7.0 | 250/7.3 |
|--|--------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| Output (NCV) | MW | 4.6 | 5.4 | 5.4 | 5.6 | 5.9 | 6.3 | 6.6 |
| Fan Size | kW | 15 | 15 | 115 | 15 | 15 | 15 | 15 |
| Oil Pump Motor | kW | 1.5 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 3.0 |
| Oil Pre-heater (Residual Fuel only) | kW | 15 | 15 | 18 | 18 | 18 | 21 | 21 |
| 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 | 5 to 10 | 5 to 10 | 5 to 10 | 5 to 10 | 5 to 10 | 5 to 10 |
| Fuel pump | | TA3 | TA4 | TA4 | TA4 | TA4 | TA4 | TA4 |
| Operation | | Fully Modulating | Fully Modulating | 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 | Autoflame Mini Mk7 | Autoflame Mini Mk7 |
| Turndown | | up to 4:1 | up to 4:1 | up to 4:1 | up to 4:1 | up to 4:1 | up to 4:1 | up to 4:1 |
| 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 | dBA | 93 <85 with silencer | 93 <85 with silencer | 93 <85 with silencer | 93 <85 with silencer | 93 <85 with silencer | 93 <85 with silencer | 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 <80mg/kWh subject to suitable combustion chamber design.



BURNER DESIGNATION

POL 250/5.1 LN MM3NA 610
P = Burner Series
O = Oil
L = Light Fuel Oil (Diesel), G = Class G HFO
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

MECHMAR (PTE) LTD

56 Kian Teck Road Singapore 628791

Tel: 6268 3048 Fax: 6261 4049

E-mail: mechmar@singnet.com.sg

Website: www.mechmar.com.sg

