

PDF490 Dual Fuel Burner



PDF490 Dual Fuel Burner features:

- Available configured for Natural Gas or LPG combined with distillate or residual oils, other 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
- Pressure atomisation (no compressed air or steam required)
- Skid mounted oil pump and heater sets for easy installation
- Fully modulating operation as standard on both fuels
- Microprocessor based Autoflame sequence control
- Separate and air mapping for both fuels
- Integrated PID control for accurate response to demand
- Linkageless fuel/air ratio management for up to 7:1 turndown (gas) and 4:1 turndown (oil)
- 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)
- Optional air and gas monitoring configurations available to suit appliance
- All kW ratings are in nett CV

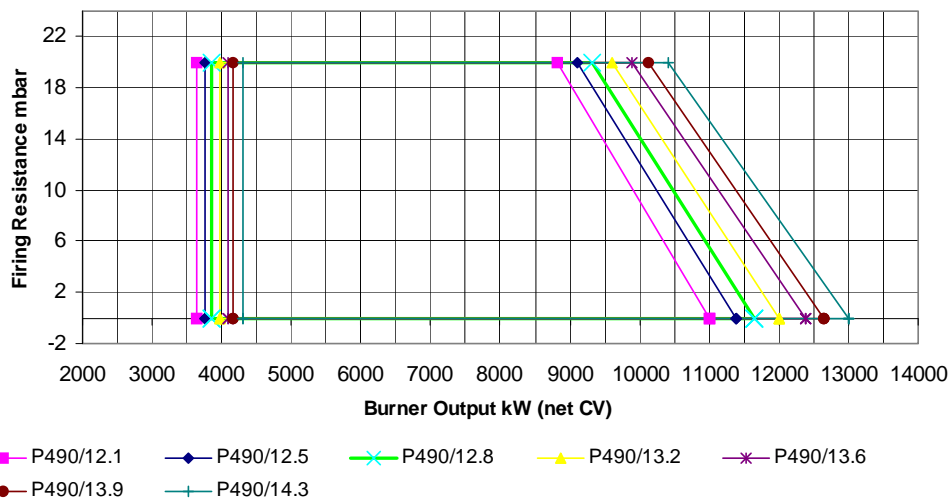


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Model PDF		490/12.1	490/12.5	490/12.8	490/13.2	490/13.6	490/13.9	490/14.3
Output (nett CV)	MW	10.9	11.2	11.5	11.9	12.2	12.5	12.9
Fan Size	kW	30	30	30	30	30	30	30
Pump Motor (Distillate Fuel)	kW	5.5	5.5	5.5	5.5	5.5	5.5	5.5
Pump Motor (Residual Fuel)	kW	5.5	5.5	5.5	5.5	5.5	5.5	5.5
Pre-heater (Residual Fuel only)	kW	54	54	54	54	54	54	54
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
Gas inlet pressure (min/max)	mbar	140/300	140/300	140/300	140/300	140/300	140/300	140/300
Gas train inlet conn.		PN16 DN100/ PN16 DN125	PN16 DN100/ PN16 DN125	PN16 DN100/ PN16 DN125	PN16 DN100/ PN16 DN125	PN16 DN100/ PN16 DN125	PN16 DN100/ PN16 DN125	PN16 DN100/ PN16 DN125
Operation		Fully Modulating Autoflame Mini Mk7	Fully Modulating Autoflame Mini Mk7	Fully Modulating Autoflame Mini Mk7	Fully Modulating Autoflame Mini Mk7	Fully Modulating Autoflame Mini Mk7	Fully Modulating Autoflame Mini Mk7	Fully Modulating Autoflame Mini Mk7
Control Unit								
Gas Turndown		up to 7.0	up to 7.0	up to 7.0	up to 7.0	up to 7.0	up to 7.0	up to 7.0
Oil Turndown		up to 4.0	up to 4.0	up to 4.0	up to 4.0	up to 4.0	up to 4.0	up to 4.0
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
GAS Noise	dBA	93	93	93	93	93	93	93
NOx	mg/kWh	140-190	140-190	140-190	140-190	140-190	140-190	140-190
OIL Noise	dBA	96	96	96	96	96	96	96
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

Working fields for P490 / 12.1-14.3



Enertech Limited, P O Box 1, Vines Lane
Droitwich, Worcestershire, WR9 8NA

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

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Enertech Group

Issue 1 11/11