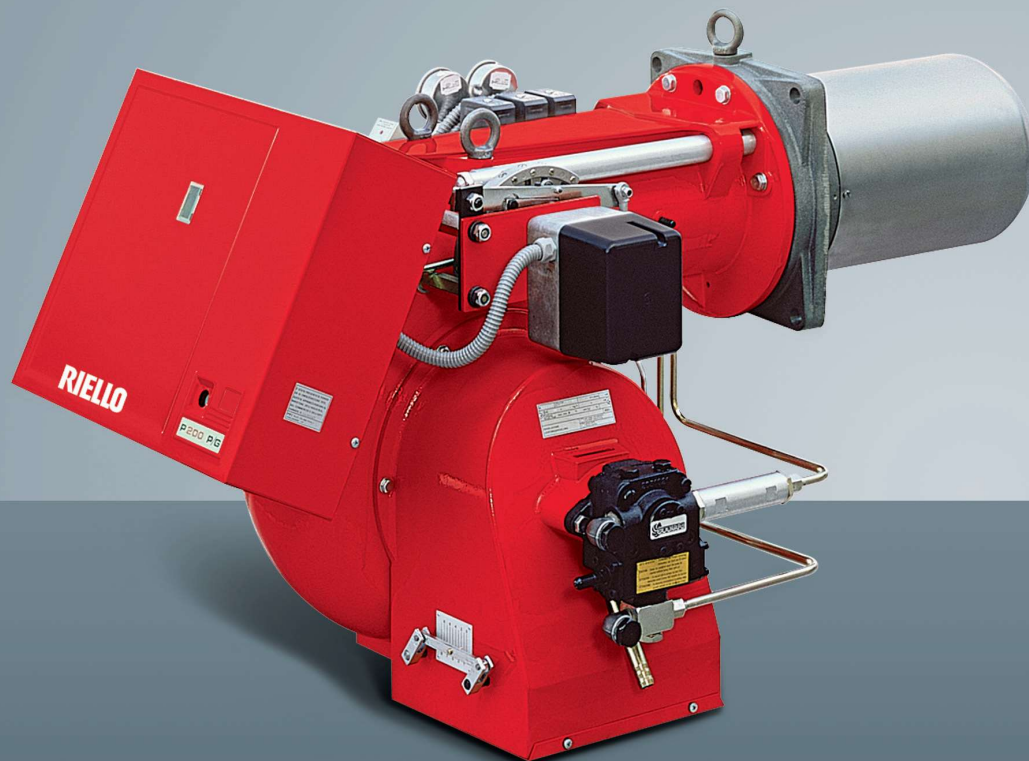
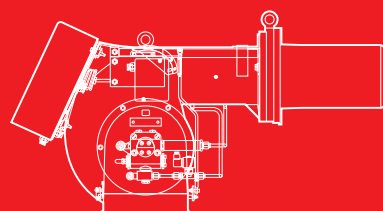
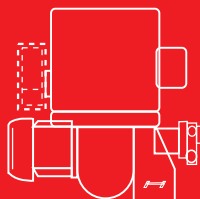




PRESS P/G Series

Modulating Light Oil Burners

P 140 P/G	415/830	÷	1660 kW
P 200 P/G	590/1185	÷	2370 kW
P 300 P/G	890/1780	÷	3560 kW
P 450 P/G	1190/2670	÷	5340 kW



The PRESS P/G series of burners covers a firing range from 415 to 5340 kW.

Setting can be "two stage progressive" or, alternatively, "modulating" with the installation of a PID logic regulator and respective probes, which guarantees a turn down ratio of 3:1.

The versatility of this range makes the burner well suited for use on commercial or industrial applications where the load factor is subject to wide variations over a short period of time.

Simplified maintenance is achieved by Riello designed slide bar system, which allows easy access to all of the essential components of the combustion head.

A RIELLO burner (Heat Generator), where it is matched with a water-based boiler (Heater Housing) with a nominal output ≤ 400 kW, providing heat for heating purposes and heat to deliver sanitary hot water, can be installed:

- With boilers (heater housings) already in service in the field, for replacement, in conformity to Article 1, paragraph 2, point (G) of the EU Regulation No. 813/2013;
- With boilers (heater housings) on a new installation, put on the market after 26th of September 2015;
- With all new boilers (heater housings), where placed on the market before 26th of September 2015.

Technical Data

Model			P 140 P/G	P 200 P/G	P 300 P/G	P 450 P/G
Burner operation mode			Modulating (with regulator and probes accessories) or Two-stage progressive			
Modulation ratio at max. output			3 : 1			
Servomotor		type	SQM 10			
run time		s	42			
Heat output		kW	415/830÷1660	590/1185÷2370	890/1780÷3560	1190/2670÷5340
		Mcal/h	357/714÷1428	507/1019÷2038	765/1531÷3062	1023/2296÷4592
		kg/h	35/70÷140	50/100÷200	75/150÷300	100/225÷450
Working temperature		°C min./max.	0/40			
FUEL/AIR DATA						
Light oil	Net calorific value	kWh/kg	11,86			
		kcal/kg	10200			
	Viscosity	mm²/s (cSt)	4 ÷ 6 (at 20°C)			
Pump	type		TA2	TA3	TA4	TA5
	delivery	kg/h	330 (25 bar)	520 (25 bar)	700 (25 bar)	880 (25 bar)
Atomised pressure		bar	25			
Fuel temperature		max. °C	50			
Fuel pre-heater			NO			
Fan		type	Centrifugal with forward curve blades			
Air temperature		max. °C	60			
ELECTRICAL DATA						
Electrical supply		Ph/Hz/V	3N/50/400-230 (±10%) ∟ or 3/50/230 (±10%) △			
Auxiliary electrical supply		Ph/Hz/V	1/50/230 (±10%)			
Control box		type	LAL 1.25			
Total electrical power		kW	4,5	5,5	10	18
Auxiliary electrical power		kW	1,5	1,5	2,5	3
Heaters electrical power		kW	--			
Protection level		IP	40			
Pump motor electrical power		kW	--			
Rated pump motor current		A	--			
Pump motor start up current		A	--			
Pump motor protection level		IP	--			
Fan motor electrical power		kW	3	4	7,5	15
Rated fan motor current		A	8/13,5	9,5/16,4	17,5/30	29/50,2
Fan motor start up current		A	51/86	48/83	113/195	167/291
Fan motor protection level		IP	55			
Ignition trasformer		type				
		V1 - V2	230 V - 2x6 kV			
		I1 - I2	2,3 A - 35 mA			
Operation			Intermittent (at least one stop every 24 h)			
EMISSIONS						
Sound pressure		dBA	86,5	85,5	89,5	90
Sound power		dBA	97,5	96,5	100,5	101
CO emission		mg/kWh	< 35			
Grade of smoke indicator		NO Bacharach	< 0,6			
CxHy emission		mg/kWh	< 8 (after the first 20 seconds)			
NOx emission		mg/kWh	< 200		< 220	
APPROVAL						
Directive			2009/142/EC - 2014/30/UE - 2014/35 UE			
Conforming to			EN 267			
Certification			CE-0441/B	CE-0441/B	CE-0441/B	CE-0441/B

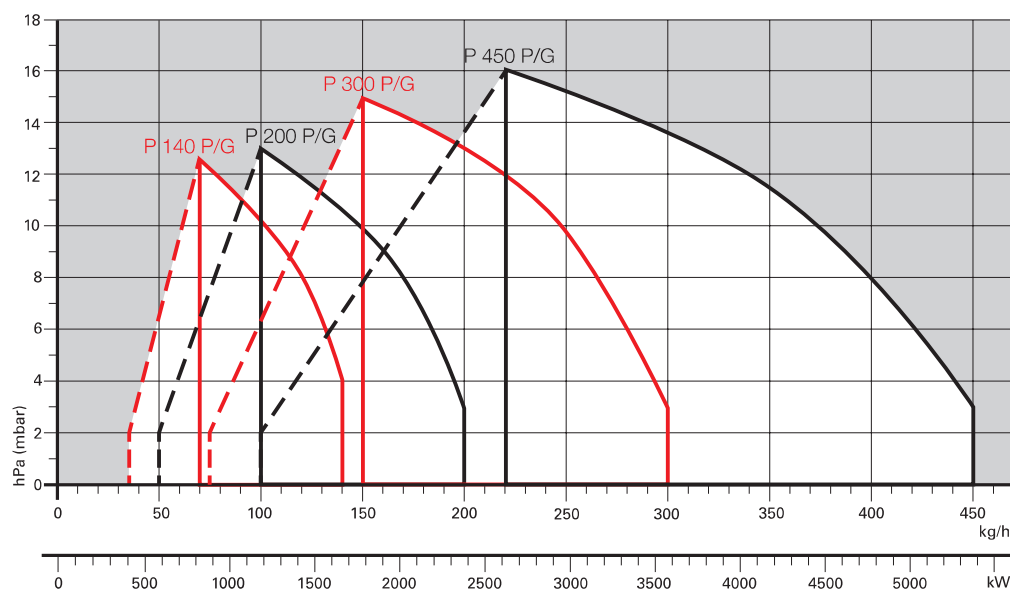
Reference conditions:

Temperature: 20°C - Pressure: 1013,5 mbar - Altitude: 0 m a.s.l. - Noise measured at a distance of 1 meter.

Sound pressure measured in manufacturer's combustion laboratory, with burner operating on test boiler and at maximum rated output. The

sound power is measured with the "Free Field" method, per EN 15226, and according to "European Standard" measuring procedure.

Firing Rates



Useful working field for
choosing the burner



Modulation range

Test conditions conforming to
EN267

Temperature: 20°C

Pressure: 1013,5 mbar

Altitude: 0 m a.s.l.