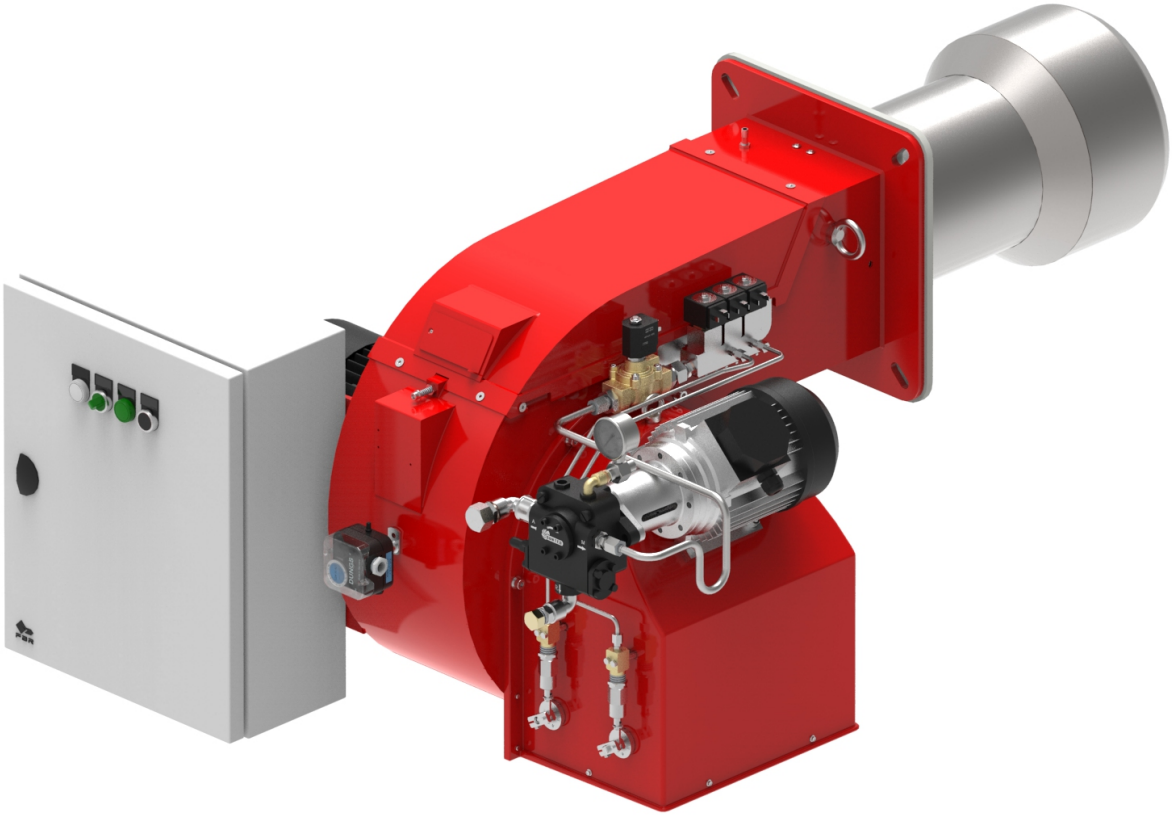
FGP 300/3 TL

Light oil burner three stages.
Composed by: high pressurisation air blower , high efficiency and high flame stability combustion head with adjustment , hydraulic system for regulating combustion air across all three flame stages
Compact overall dimensions and rationalized layout of the components with facilitated accessibility for easy operations of setting and maintenance.
Complete with flange and gasket for installation on generator, nozzles, flexible hoses, line filter.



TECHNICAL DATA

MODEL		FGP 300/3 TL
Flow min. 1°st. / min. 2°st. - max. 2°st. *	[kg/h]	67/120-300
Thermal power min. 1°st. / min. 2°st. - max. 2°st. *	[Mcal/h]	683/1223-3060
Thermal power min. 1°st. / min. 2°st. - max. 2°st. *	[kW]	795/1423-3558
Fuel:		LIGHT-OIL 1.5°E a 20°C = 6.2 cSt = 35 sec Redwood N°1
Intermitted working operation (min. 1 stop every 24 hours) at 3 stages		
Evironmental conditions operation / storage:		-15...+40°C / -20...+70°C , humidity max. 80%
Max temperature combustion air	[°C]	60
Nominal electric power	[kW]	9
Fan motor	[kW]	7.5
Pump motor	[kW]	1.1
Nominal absorption powers	[A]	17.2
Nominal absorption auxiliary	[A]	0.55
Power supply:		3~400V, 1/N~230V-50Hz
Degree of electric protecion:		IP40
Noisiness ** min. - max.	[dB(A)]	89-90
Burner weight	[kg]	140

* Reference conditions: Environment temperature 20°C - Barometric pressure 1013 mbars - Altitude 0 meters (sea level)
** Measured sonorous pressure in the laboratory combustion, with functional burner on beta boiler to 1 meter of distance (UNI EN ISO 3746 law).

FIRING RATES

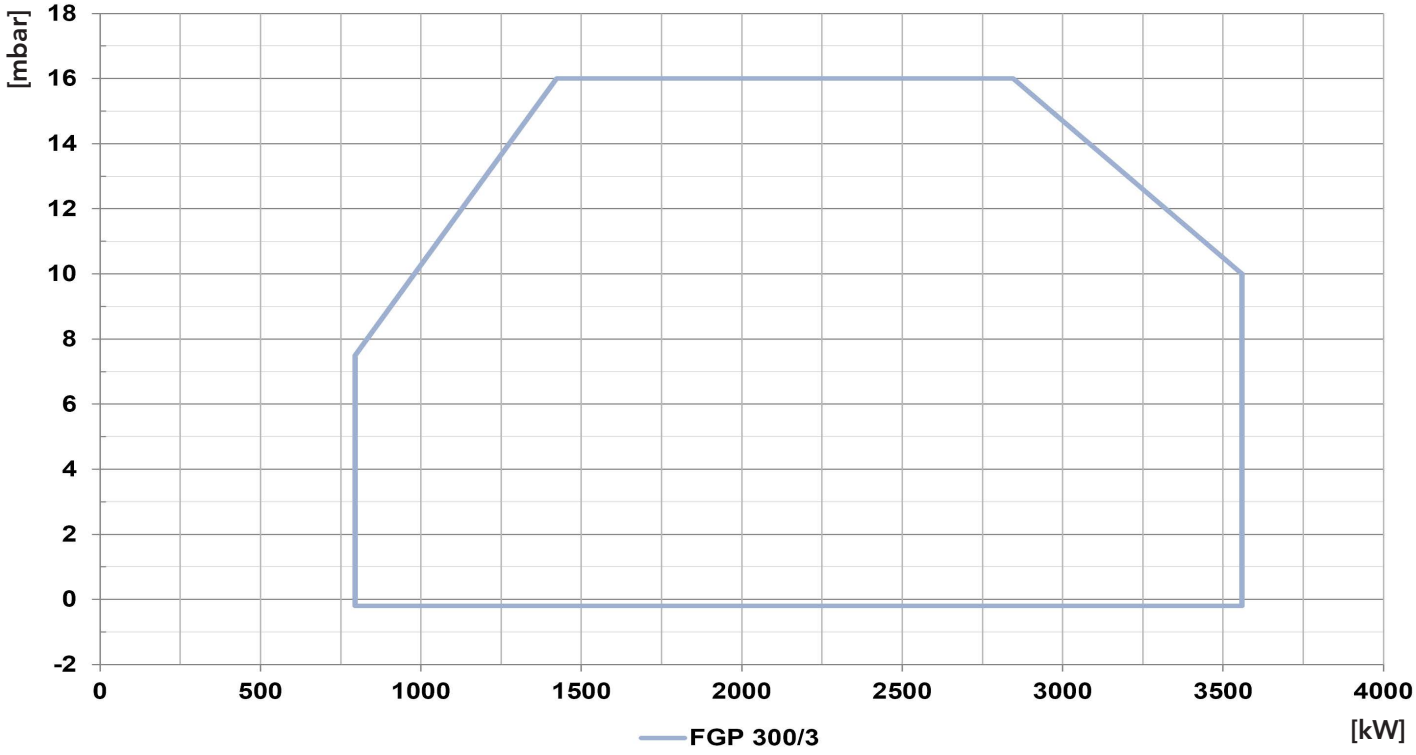
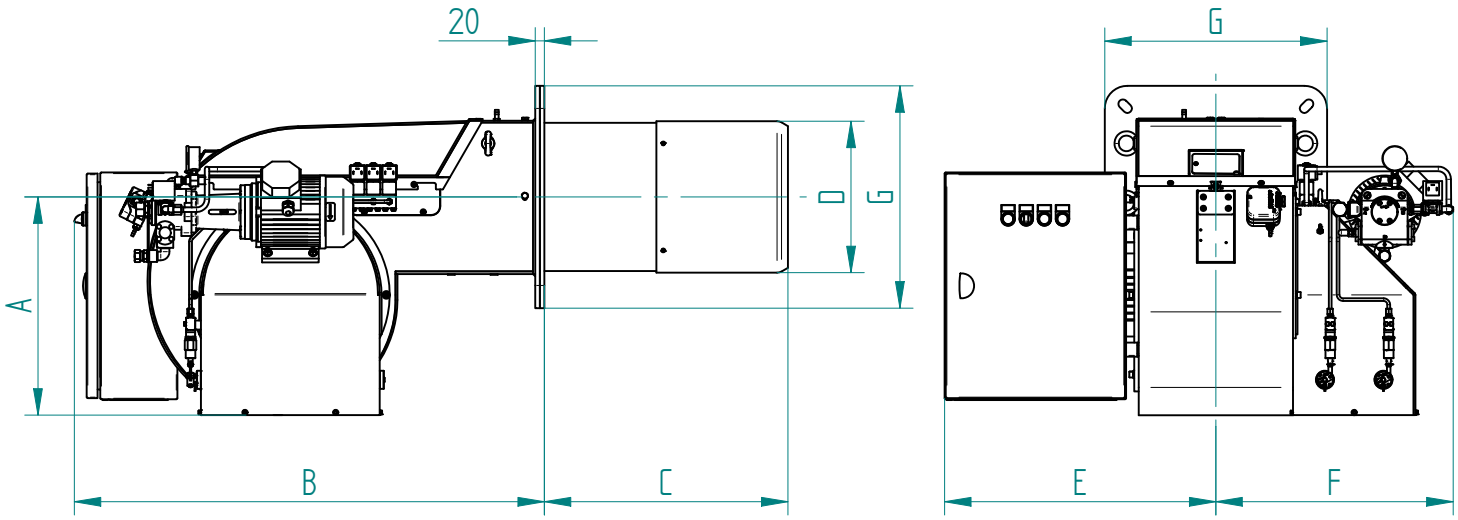


Fig. 2 X = Thermal power Y = Pression in the combustion chamber

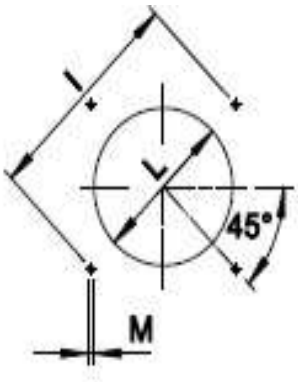
The firing rates has been obtained based on test boilers in accordance with EN267 standards and are indicative of matching the burner to the boiler. For the correct operation of the burner bruciatore, combustion chamber dimensions must be in accordance with current regulation. In case of noncompliance, contact the manufacturer.

DIMENSIONS [mm]



MODEL	A	B	C	D	E	F	G
FGP 300/3 TL	460	920	460	300	545	460	360

BOILER PLATE



The dimensions of the boiler plate must be as indicated inthe drawing.

Fig. 4 Boiler plate

MODEL	I min	I *	I max	L min	L *	L max	M
FGP 300/3 TL	396	424	438	310	310	320	M14

* Suggested dimension of connection between burner and generator.

PRODUCT SPECIFICATION

SHORT DESCRIPTION

Light-oil burners t 3 stages.

DETAILED SPECIFICATION

Light-oil burner 3 stages; composed by:

- Fan at high pressurisation;
- Combustion head with adjustment at high performance and elevated flame stability;
- Flange and insulating gasket for fixing at boiler;
- Three-phase power supply;
- Photodiode for flame detection;
- IP 40 electric protection level;
- Easy extraction of combustion head without get off the burners by bolier;
- Timer for the activation of the three stage valve: factory setting = 18sec;
- Dedicated motor for the activation of the light-oil pump.

CONFORMING TO:

- CE rules;
- 2014/30/UE Directive E.M.C.;
- 2014/35/UE Directive L.V.;
- 2014/68/EU Directive M.D.;
- 97/23/CE Directive P.E.D.;
- Reference rules: EN267 (liquid fuel) - EN746-2 (industrial thermoprocessing equipment).

STANDARD EQUIPMENT

- Flexible hoses for connection;
- Line filter;
- Isomart gasket;
- Nozzles;
- Flange with insulating gasket;
- Burner nameplate;
- Warranty;
- Instruction handbook for installation, use and maintenance.

OPTIONAL

- Acoustic enclosure.

The illustrations and data here shown are indicative. F.B.R. Bruciatori S.r.l. reserves the right to bring, without any obligation of warning, any changes that would be appropriate to the continuing development of their products.