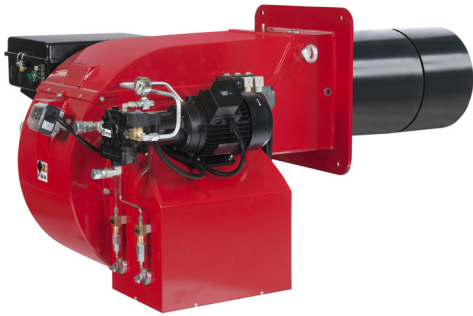


FGP 190/3-250/3-350/3-450/3



Light oil burners three stages, fan at high pressurisation, combustion head with adjustment at high efficiency and high flame stability, hydraulic system of regulation combusive air on the three stages of flame.

Compact overall dimensions and disposition rationalized of the components with accessibility facilitated for the operations of setting and maintenance.

Complete of flange and gasket for installation on boiler, nozzles, flexible pipes, line filter.

TECHNICAL DATA

MODEL		FGP 190/3	FGP 250/3	FGP 350/3	FGP 450/3
Flow 1°st./min 2°st.-max 2°st.*	[kg/h]	60-206	80-250	140-350	160-450
Thermal power 1°st./min 2°st.-max 2°st.*	[Mcal/h]	600-2060	800-2500	1400-3500	166-4500
Thermal power 1°st./min 2°st.-max 2°st.*	[kW]	712-2443	949-2965	1660-4151	1898-5337
Fuel		Light oil 1.5°E a 20°C = 6.2 cSt = 35 sec Redwood N°1			
Intermittent working operation (min. 1 stop every 24 hours) modulating					
Environmental conditions operation/storage		-15...+40°C / -20...+70°C , humidity max. 80%			
Max temperature combustion air	[°C]	60	60	60	60
Nominal electric power	[kW]	6	9	11	13
Motor fan	[kW]	5.5	7.5	9	11
Motor pump	[kW]	0.75	1.1	1.5	1.5
Nominal absorption powers	A	11.5	15.5	19	21.7
Nominal absorption auxiliary	A	0.3	0.5	0.6	0.6
Power supply		3~400V-1/N~230V-50Hz			
Degree of electric protection		IP44	IP44	IP44	IP44
Noisiness ** min-max	[dB(A)]	83-85	84-85	86-86	88-89
Weight burner	kg	125	135	208	218

* Reference conditions: Environment temperature 20°C - Barometric pressure 1013 mbars - Altitude 0 metre (sea level)

** Measured sonorous pressure in the laboratory combustion, with functional burner on beta boiler to 1 metre of distance (UNI EN ISO 3746 law)

FIRING RATES

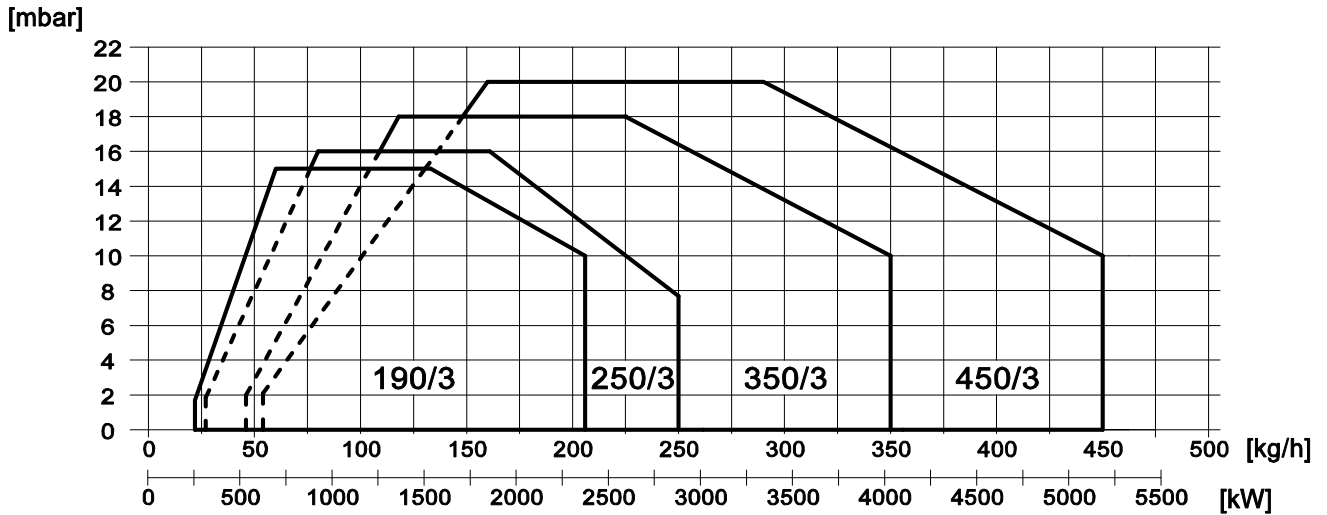
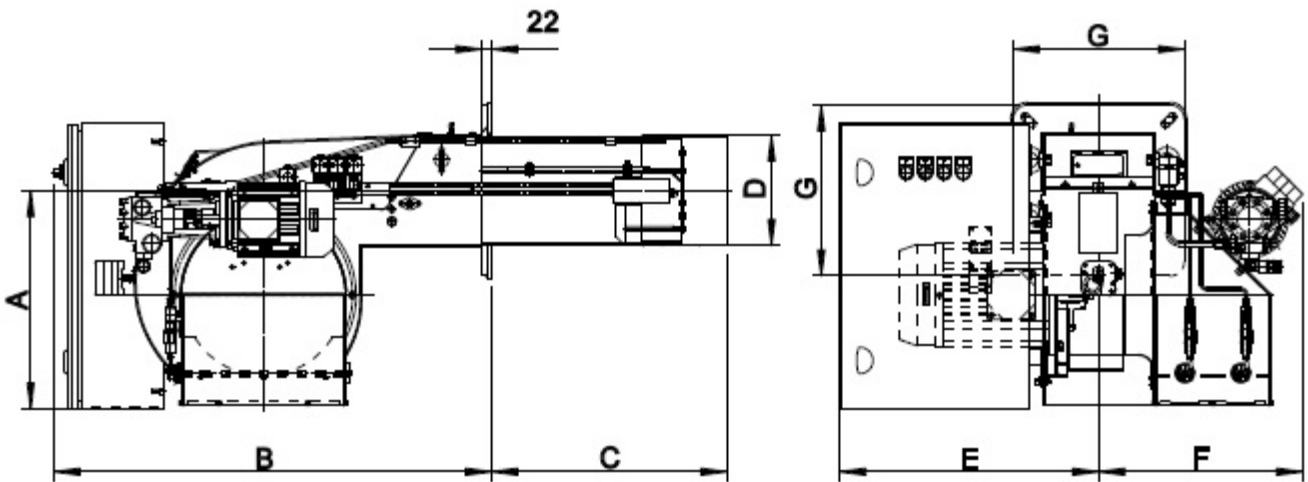


Fig. 1 X = Thermal power (kg/h - kW) Y = Pression in the combustion

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 non-compliance, contact the manufacturer.

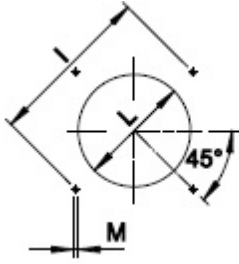
DIMENSIONS [MM]



MODEL	A	B	C	D	E	F	G
FGP 190/3	460	921	495	234	545	429	360
FGP 250/3	460	921	500	271	545	460	360
FGP 350/3	481	1090	535	334	700	517	490
FGP 450/3	481	1090	560	380	700	517	490

* Suggested dimension of connection between burner and generator

BOILER PLATE



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

MODEL	l min	l*	l max	L min	L*	L max	M
FGP 190/3	396	424	438	245	280	320	M14
FGP 250/3	396	424	438	280	280	320	M14
FGP 350/3	552	552	580	350	350	450	M14
FGP 450/3	552	552	580	390	390	450	M14

* Suggested dimension of connection between burner and generator.