G X4/2 - G X5/2

Light-oil burners two stage.
They are composed by: two nozzles, aluminium frame, protection cover with noise reduction plate, combustion head with micro adjustment at high efficiency and high flame stability, hydraulic system of regulation combustive air on the two stages of flame.
Compact overall dimensions and disposition rationalized of the components with accessibility facilitated for the operations of setting and maintenance.
Complete of connector 7 poles, flange and gasket for installation on boiler, nozzles, flexible pipes, line filter.

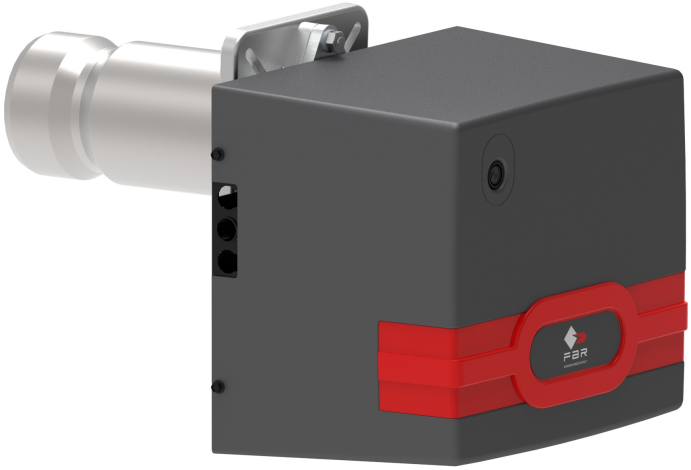


Fig. 1 G X4/2

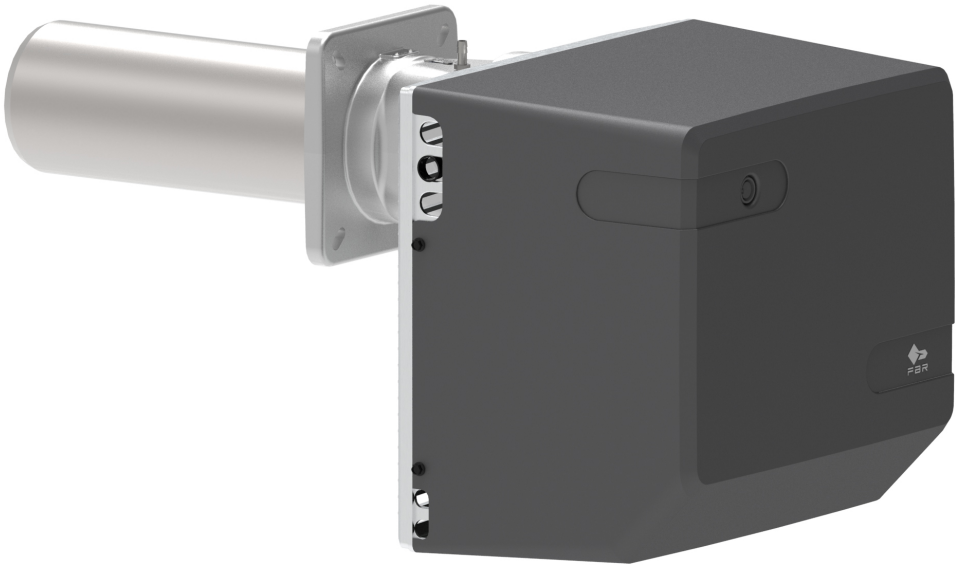


Fig. 2 G X5/2

TECHNICAL DATA G X4/2 - G X5/2

MODEL		G X4/2	G X5/2
Flow 1°st. / min. 2°st. - max. 2°st. *	[kg/h]	8/12-25	8.5/15-33.7
Thermal power 1°st. / min. 2°st. - max. 2°st. *	[Mcal/h]	82/122-255	87/153-344
Thermal power 1°st. / min. 2°st. - max. 2°st. *	[kW]	95/142-296	101/178-400
Fuel: LIGHT-OIL 1.5°E at 20°C = 6.2 cSt = 35 sec Redwood N°1			
Intermitted working operation (min. 1 stop every 24 hours) two stage			
Environmental conditions operation / storage:	-15...+40°C / -20...+70°C, rel. humidity max. 80%		
Max. temperature combustion air	[°C]	60	
Nominal electric power	[W]	300	600
Fan motor	[W]	250	450
Nominal current absorption	[A]	1.6	2.7
Power supply:	1N~230V - 50Hz		
Electric protection degree:	IP 40		
Noisiness min. - max. **	[db(A)]	68-69	71-72
Burner weight ***	[kg]	15.5	25

* Reference conditions: Environment temperature 20°C - Barometric pressure 1013 mbars - Altitude 0 metre (sea level).
** Measured sonorous pressure in the combustion laboratory, with burner on operation on beta boiler to 1m of distance (UNI EN ISO 3746).
*** For burner with cover in steel (F) please add 1 kg to the weight.

OPERATING RANGE DIAGRAM G X4/2 - G X5/2

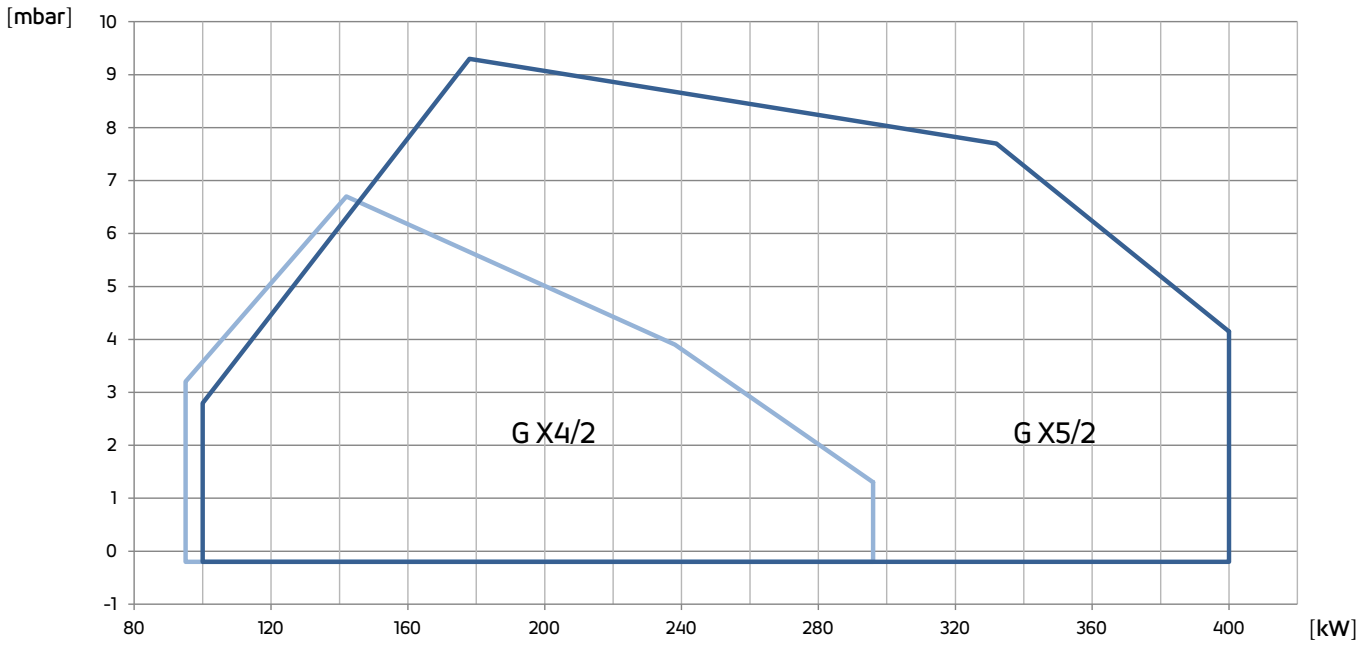


Fig. 3 X = Thermal power Y = Pression in the combustion chamber

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, combustion chamber dimensions must be in accordance with current regulation. In case of non-compliance, contact the manufacturer.

DIMENSIONS [MM]

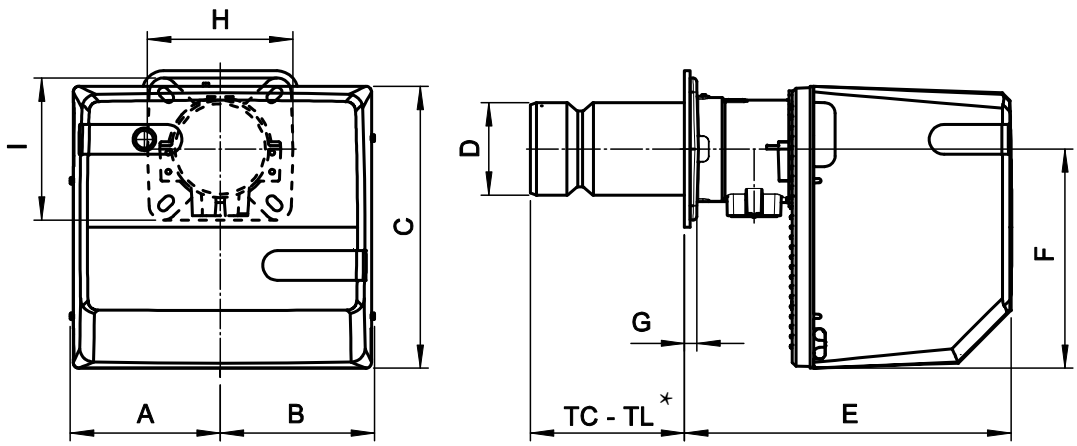
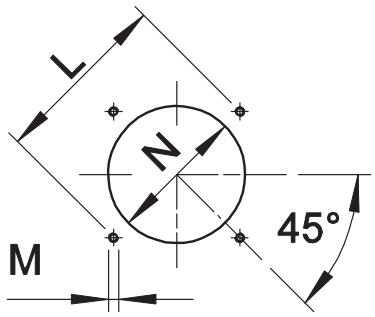


Fig. 4 Dimensions G X4/2 - G X5/2

MODEL	A	B	C	D	E	F	G	H	I
G X4/2	182	192	318	124	306	248	17	200	200
G X5/2	210	218	400	130	461	310	18	200	200

* See "flame tube length"

BOILER PLATE



* Suggested dimension of connection between burner and generator.

Fig. 5 Boiler plate

MODEL		L min	L *	L max	M	N min	N *	N max
G X4/2	mm	170	205	226	M10	130	140	160
G X5/2	mm	205	220	226	M10	140	150	180

FLAME TUBE LENGTH

Flame tube length must be selected based on the specifications supplied by boiler manufacturer and, in any case, it must be greater than the thickness of the boiler door included its insulation.
In case of boilers with flame inversion or front flue combustion chambers, it is necessary to insulate the area between the flame tube and front door with refractory material. This protection material must not impede flame tube extraction.

MODEL		TC	TL **
G X4/2	mm	130	250
G X5/2	mm	215	335

** For different flame lengths, please contact our Technical-Sales Department.

PRODUCT SPECIFICATION

SHORT DESCRIPTION

Light-oil burners two stage.

DETAILED SPECIFICATION

Light-oil burner two stage composed by:

- Aluminium frame;
- Combustion head with micro adjustment at high efficiency and high flame stability;
- Protection cover with noise reduction plate;
- Flange and insulating gasket for fixing at boiler;
- Single-phase power supply;
- Photoresistance for flame detection;
- IP 40 electric protection level;
- Hydraulic system of regulation combustive air on the two stages of flame.

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.