

G X3.22 - G X4.22 - G X5.22

Light-oil burners at two steps pressure.

They are composed by: aluminium frame, protection cover with noise reduction plate, combustion head with micrometric adjustment, high flame stability.

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, nozzle, flexible pipes, line filter.



Fig. 1 G X3.22



Fig. 2 G X4.22

TECHNICAL DATA G X3.22 - G X4.22 - G X5.22

MODEL		G X3.22	G X4.22	G X5.22
Flow min. 1st st. / min. 2nd st. - max. 2nd st. *	[kg/h]	4.8/7-15	6.8/10-20	9/12-30
Thermal power min. 1st st. / min. 2nd st. - max. 2nd st. *	[Mcal/h]	49/71-153	69/102-204	92/122-306
Thermal power min. 1st st. / min. 2nd st. - max. 2nd st. *	[kW]	57/83-178	80/118-236	107/142-355
Fuel: LIGHT-OIL 1.5°E at 20°C = 6.2 cSt = 35 sec Redwood N°1				
Intermittent working operation (min. 1 stop every 24 hours) two steps pressure				
Environmental conditions operation / storage:	-15...+40°C / -20...+70°C, rel. humidity max. 80%			
Max. temperature combustion air	[°C]	60		
Nominal electric power	[W]	220	250	600
Fan motor	[W]	150	200	450
Nominal current absorption	[A]	1	1.1	2.7
Power supply:	1N~230V - 50Hz			
Electric protection degree:	IP 40			
Noisiness min. - max. **	[dBA]	66-66	67-68	71-72
Burner weight ***	[kg]	14	14	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 iron cover (F) add 3 kg to the weight.

OPERATING RANGE DIAGRAM G X3.22 - G X4.22 - G X5.22

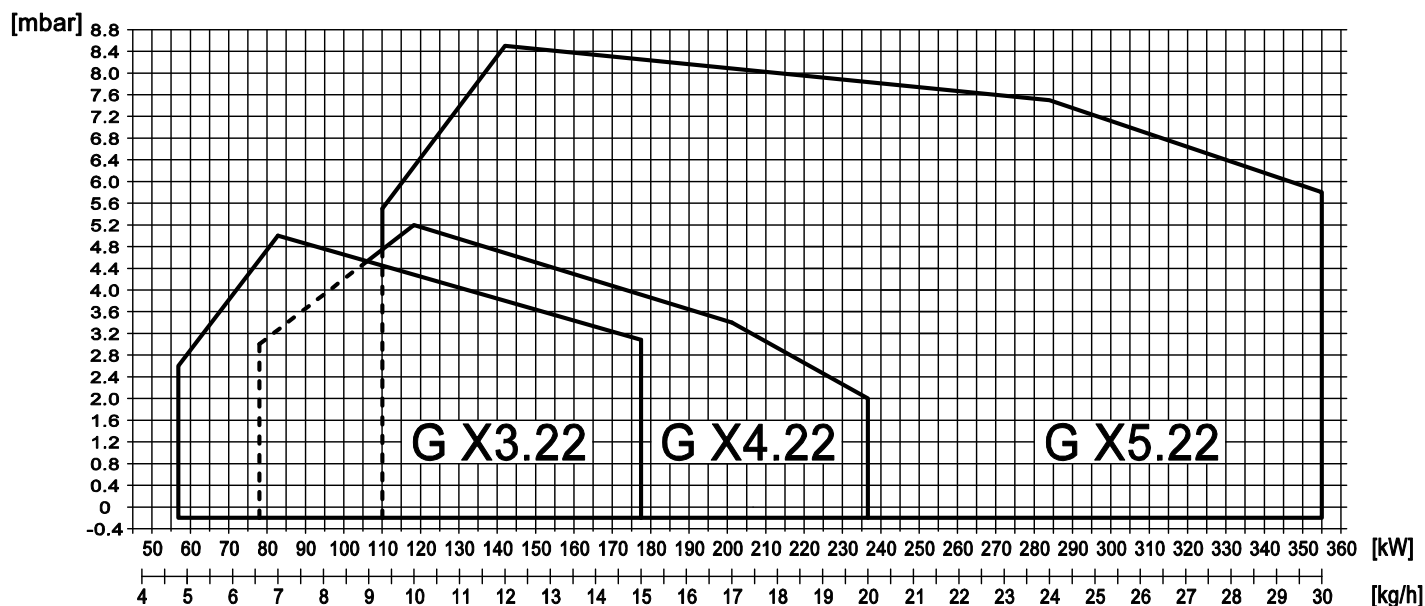
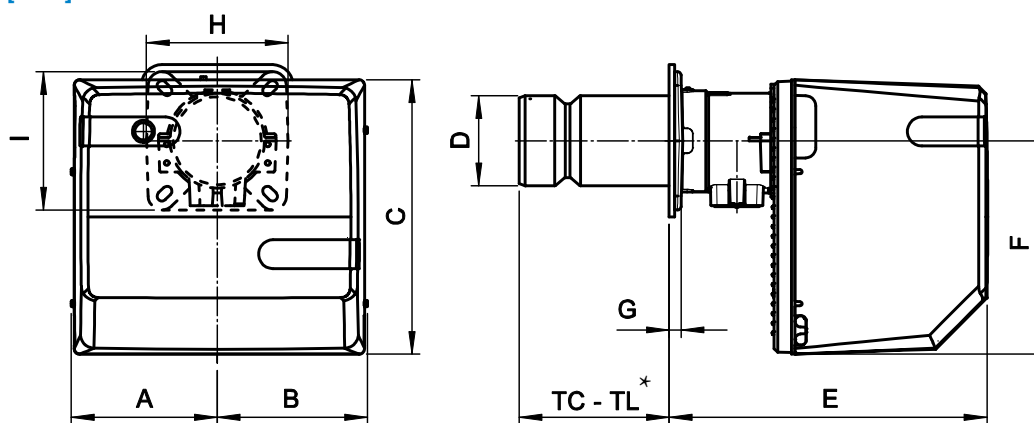


Fig. 3 X = Thermal power Y = Pression in the combustion chamber

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.

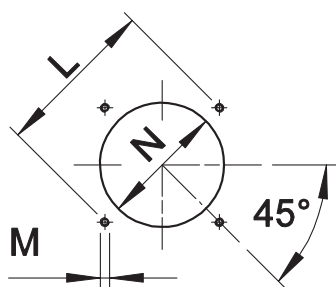
**FBR****DIMENSIONS [MM]****LIGHT-OIL BURNERS AT TWO STEPS PRESSURE**

SK070045_A_en

**Fig. 4** Dimensions G X3.22 - G X4.22 - G X5.22

MODEL	A	B	C	D	E	F	G	H	I
G X3.22	182	192	318	110	306	248	17	200	200
G X4.22	182	192	318	124	306	248	17	200	200
G X5.22	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 X3.22	mm	160	170	226	M10	120	130	140
G X4.22	mm	170	205	226	M10	130	140	160
G X5.22	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 X3.22	mm	130	250
G X4.22	mm	130	250
G X5.22	mm	215	335

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



FBR

PRODUCT SPECIFICATION

LIGHT-OIL BURNERS AT TWO STEPS PRESSURE

SK070045_A_en

SHORT DESCRIPTION

Light-oil burners at two steps pressure.

DETAILED SPECIFICATION

Light-oil burners at two steps pressure, composed by:

- Aluminium frame;
- Combustion head with micrometric adjustment, high flame stability and low emissions;
- 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

- 7-poles plug for the electrical connections;
- Flexible hoses for connection;
- Line filter;
- Isomart gasket;
- Nozzle;
- Flange with insulating gasket;
- Burner nameplate;
- Warranty;
- Instruction handbook for installation, use and maintenance.

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