



LIGHT OIL BURNERS

TBL 45



**Light oil burner. Operation:**

Low NOx and CO emissions light oil burner according to European standard EN267:

Adjusting the combustion head.

Maintenance facilitated by the possibility of removing the combustion head without having to remove the burner from the boiler.

Sliding boiler coupling flange to adapt the blast-pipe to the various types of boilers.

Combustion air intake with butterfly valve. Air flow adjustment:

Fully closing air damper on shutdown to avoid loss of heat through the chimney.

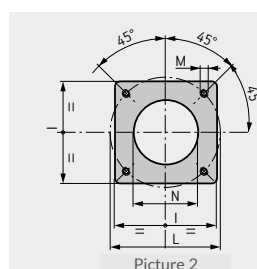
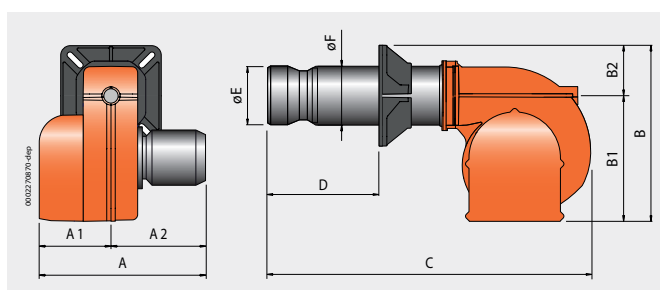
Fuel supply circuit made of gear pump with pressure adjustment, shut-off valves and safety valve.

Flame detection by photoresistance.

Flame detection by IRD photocell.

Electric protection rating:

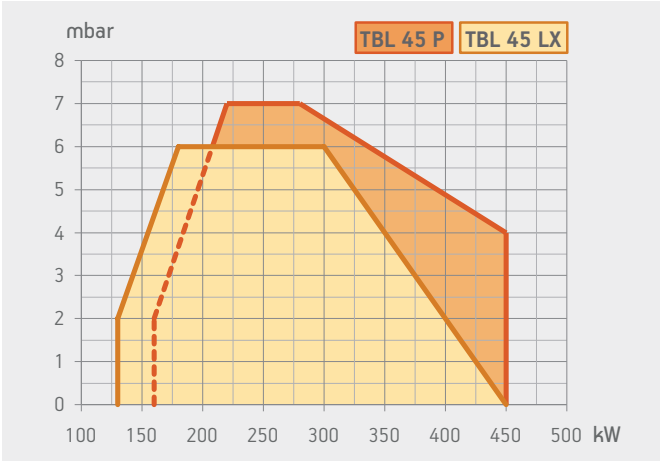
TBL 45 P	TBL 45 P DACA	TBL 45 LX
two-stage	two-stage	two-stage
class 2	class 2	class 3
•	•	•
•	•	•
•	•	•
hydraulic jack	electric servomotor	electric servomotor
	•	•
•	•	•
•	•	
IP40	IP40	IP44



Flange dimensions and boiler drilling template.

Picture 2

Model	A mm	A1 mm	A2 mm	B mm	B1 mm	B2 mm	C mm	D mm	E mm	F mm	I mm	L mm	M mm	N mm	Pic.
TBG 45 P	505	260	245	433	325	108	820	120 ÷ 350	135	133	215	200 ÷ 245	M12	145	2
TBG 45 P DACA	535	260	275	433	325	108	860	120 ÷ 350	135	133	215	200 ÷ 245	M12	145	2
TBG 45 LX	535	260	275	433	325	108	860	120 ÷ 350	135	133	215	200 ÷ 245	M12	145	2



Model	Size of packaging			Weight kg
	L	P	H	
	mm			
TBL 45 P	970	570	480	34
TBL 45 P DACA	970	570	480	34
TBL 45 LX	970	570	480	34

	Emissions class	Thermal output kW	Model	Part no.	Max visc. °E at 20°C	Electrical supply	Motor kW	Notes
Frequency 50 Hz								
	class 2	160 ÷ 450	TBL 45 P	35710010	1,5	1N AC 50Hz 230V	0,50	
	class 2	160 ÷ 450	TBL 45 P	35710015	1,5	3N AC 50Hz 400V	0,65	
	class 2	160 ÷ 450	TBL 45 P DACA	35710110	1,5	1N AC 50Hz 230V	0,50	4)
	class 3	130 ÷ 450	TBL 45 LX	35730010	1,5	1N AC 50Hz 230V	0,50	4)
Frequency 60 Hz								
	class 2	160 ÷ 450	TBL 45 P	35715410	1,5	1N AC 60Hz 220V	0,50	
	class 2	160 ÷ 450	TBL 45 P	35715415	1,5	1N AC 60Hz 380V	0,65	
	class 2	160 ÷ 450	TBL 45 P DACA	35715420	1,5	1N AC 60Hz 220V	0,50	4)

OPTIONALS

DESCRIPTION
Biodiesel operation (5)

ACCESSORIES AVAILABLE ON REQUEST

DESCRIPTION	PART NO.
TBL 45 P/45 P DACA: line filter 3/8"	98000370
Soundproof burner cover	97980054

LIGHT OIL BURNER ACCESSORIES

TBL 45 P/45 P DACA: flex hoses, nozzles, boiler coupling kit, plug for wiring.
TBL 45 LX: line filter, flex hoses, nozzles, boiler coupling kit, plug for wiring.

NOTES

- 4 Equipped with air closure device.
- 5 Biodiesel according to european norm EN14213-FAME.
Net calorific value of light oil: Hi = 42,70 MJ/kg = 10200 kcal/kg.



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