

kW **450 - 2700**SERIES **TBG**

CONFORM TO: GAS DIRECTIVE 2009/142/CE | E.M.C. DIRECTIVE 2014/30/UE | L.V. DIRECTIVE 2014/35/UE |
MACHINERY DIRECTIVE 2006/42/CE | REFERENCE STANDARD EN676.

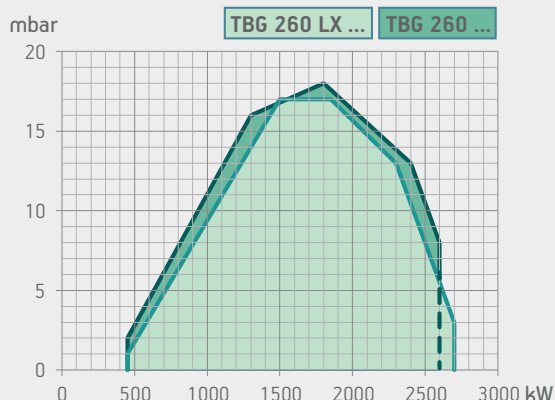


TBG 260 LX MC

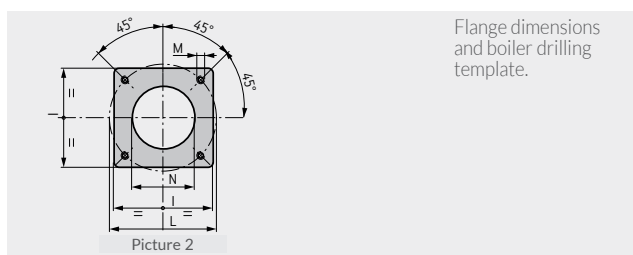
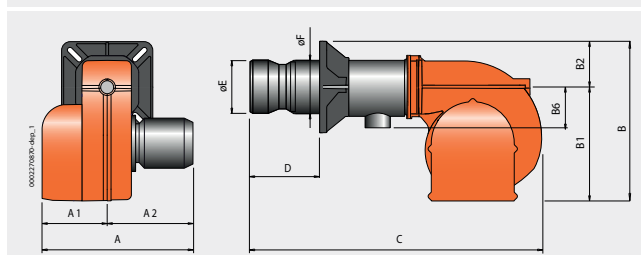


TBG 260 LX ME

	TBG 260 LX MC	TBG 260 LX ME	TBG 260 LX ME V	TBG 260 LX ME V O2	TBG 260 LX ME V CO
Gas burner compliant with European standard EN676. Operation:	mechanical two-stage progressive	electronic two-stage progressive	modulating electronic	modulating electronic	modulating electronic
Continuous modulation operation by installing P.I.D. controller in the control panel (to be ordered separately with modulation probe).	•	•			
Modulation ratio:	1:6	1:6	1:6	1:6	1:6
Low NOx and CO emissions gas burner according to European standard EN676:	class 3	class 3	class 3	class 3	class 3
Adjusting the combustion head.	•	•	•	•	•
Maintenance facilitated by the possibility of removing the mixing unit without having to remove the burner from the boiler.	•	•	•	•	•
High ventilation efficiency, low electrical input, low noise.	•	•	•	•	•
Sliding boiler coupling flange to adapt the blast-pipe to the various types of boilers.	•	•	•	•	•
Easy maintenance thanks to the two-sides hinge which allows the removal of the combustion head without having to remove the burner from the boiler.	•	•	•	•	•
Combustion air intake with butterfly valve. Air flow adjustment:	mechanical cam	electric servomotor	electric servomotor	electric servomotor	electric servomotor
Fully closing air damper on shutdown to avoid loss of heat through the chimney.	•	•	•	•	•
Adjustment of fan revolutions according to working stage by means of a frequency converter in order to reduce noise and electric consumption.			•	•	•
Residual oxygen (O ₂) monitoring in the fumes in order to maintain an optimal air/fuel ratio and ensure increased performance.				•	
Residual oxygen (O ₂) and carbon monoxide (CO) and monitoring of oxidizing components (H ₂) in fumes to ensure increased performance and less atmospheric pollution.					•
CE version gas train is complete with butterfly valve, operation and safety valve with electromagnetic drive, valve tightness control, minimum pressure switch, pressure regulator and gas filter.	•	•	•	•	•
Fail proof connectors for burner/gas train connection.	•	•	•	•	•
Gas train outlet:	down	up/down	up/down	up/down	up/down
Flame detection by ionisation electrode with connector for microamperometer.	•	•	•	•	•
Control panel with display diagram for working mode with indication lights.	•				
Control panel equipped either with display showing the working process and with the keyboard for the burner adjustment.		•	•	•	•
Electric protection rating:	IP44	IP40	IP40	IP40	IP40



Model	Size of packaging			Weight kg
	L	P	H	
	mm			
TBG 260 LX MC	1070	870	720	108
TBG 260 LX ME	1070	870	720	108
TBG 260 LX ME V	1730	1030	880	125
TBG 260 LX ME V O2	1730	1030	880	137
TBG 260 LX ME V CO	1730	1030	880	149



Model	A mm	A1 mm	A2 mm	B mm	B1 mm	B2 mm	B6 mm	C mm	D mm	E mm	F mm	I mm	L mm	M mm	N mm	Pic.
TBG 260 LX MC	795	375	420	570	400	170	200	1250	200 ÷ 450	250	219	320	280 ÷ 370	M12	255	2
TBG 260 LX ME	700	280	420	560	400	160	200	1320	200 ÷ 450	250	219	320	280 ÷ 370	M12	255	2
TBG 260 LX ME V	730	280	450	560	400	160	200	1320	200 ÷ 450	250	219	320	280 ÷ 370	M12	255	2
TBG 260 LX ME V O2	730	280	450	560	400	160	200	1320	200 ÷ 450	250	219	320	280 ÷ 370	M12	255	2
TBG 260 LX ME V CO	730	280	450	560	400	160	200	1320	200 ÷ 450	250	219	320	280 ÷ 370	M12	255	2

	O ₂	CO	Emissions class	Thermal output kW	Model	Part no.	Electrical supply kW	Motor	Note
Frequency 50 Hz									
			class 3	450 ÷ 2700	TBG 260 LX MC	17810010	3N AC 50Hz 400V	5,5	4)
			class 3	450 ÷ 2700	TBG 260 LX ME	17780010	3N AC 50Hz 400V	5,5	4)
			class 3	450 ÷ 2700	TBG 260 LX ME V	17780015	3N AC 50Hz 400V	5,5	4)
			class 3	450 ÷ 2700	TBG 260 LX ME V O2	17780016	3N AC 50Hz 400V	5,5	4)
			class 3	450 ÷ 2700	TBG 260 LX ME V CO	17780017	3N AC 50Hz 400V	5,5	4)
Frequency 60 Hz									
			class 3	450 ÷ 2700	TBG 260 LX MC	17815410	3N AC 60Hz 380V	7,5	4)
			class 3	450 ÷ 2700	TBG 260 LX ME	17785410	3N AC 60Hz 380V	7,5	4)
			class 3	450 ÷ 2700	TBG 260 LX ME V	on request	3N AC 60Hz 380V	7,5	4)
			class 3	450 ÷ 2700	TBG 260 LX ME V O2	on request	3N AC 60Hz 380V	7,5	4)
			class 3	450 ÷ 2700	TBG 260 LX ME V CO	on request	3N AC 60Hz 380V	7,5	4)

TO COMPLETE THE BURNER

DESCRIPTION	PART NO.
TBG 260 LX ME V: modulating probe for LCM 100 (see page 294)	

MODULATING MODE

DESCRIPTION	PART NO.
TBG 260 LX MC: modulation kit	98000057
TBG 260 LX ME: modulation kit	98000059
TBG 260 LX MC/260 LX ME: modulating probe (see page 294)	

NOTES

4 Equipped with air closure device.
 Net calorific value at reference conditions of 0°C, 1013mbar:
 Natural gas: Hi = 35,80 MJ/m³ = 8550 kcal/m³,
 LPG: Hi = 92 MJ/m³ = 22000 kcal/m³.
 For different type of gas and pressure values, please get in contact with our commercial department.

ACCESSORIES AVAILABLE ON REQUEST

DESCRIPTION	PART NO.
Soundproof burner cover (see page 299)	97980053

GAS BURNERS ACCESSORIES

Boiler coupling kit, plug for wiring.