



GAS BURNERS

TBG 260 LX MC-LX ME



baltur
Energy for People

ООО Промэлектроника
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АНКАС

kW 450 - 2700

SERIES TBG



CE 0085

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.



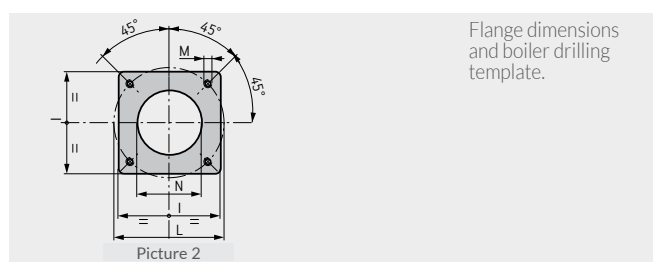
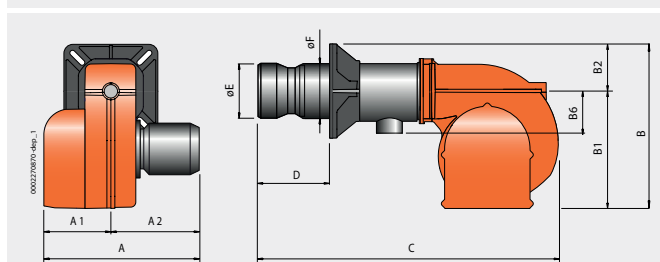
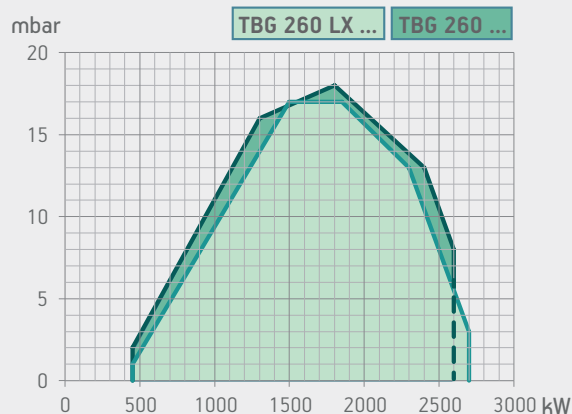
TBG 260 LX MC



TBG 260 LX ME

Gas burner compliant with European standard EN676. Operation:

	TBG 260 LX MC	TBG 260 LX ME	TBG 260 LX ME V	TBG 260 LX ME V O ₂	TBG 260 LX ME V CO
	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	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	Motor kW	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

TBG 260 LX ME V: modulating probe for LCM 100

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	

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.

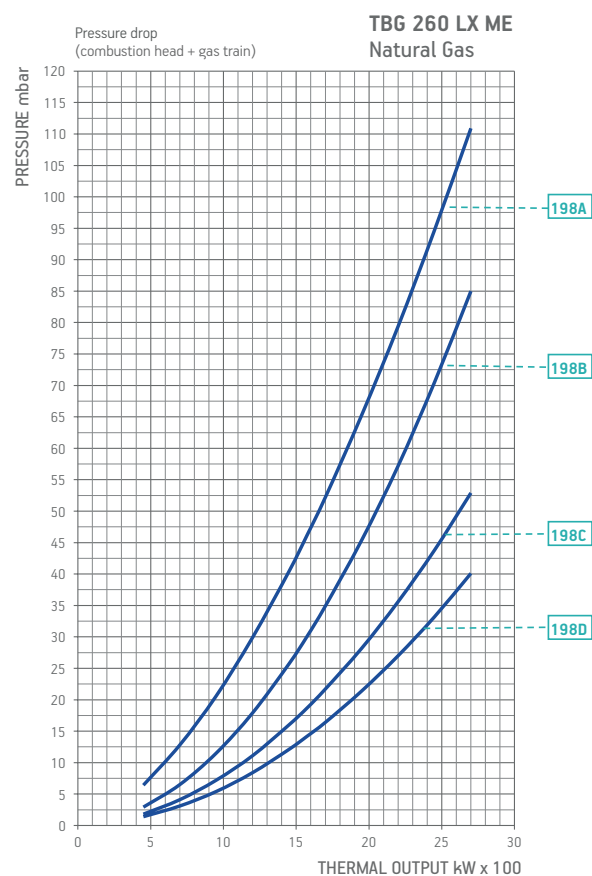
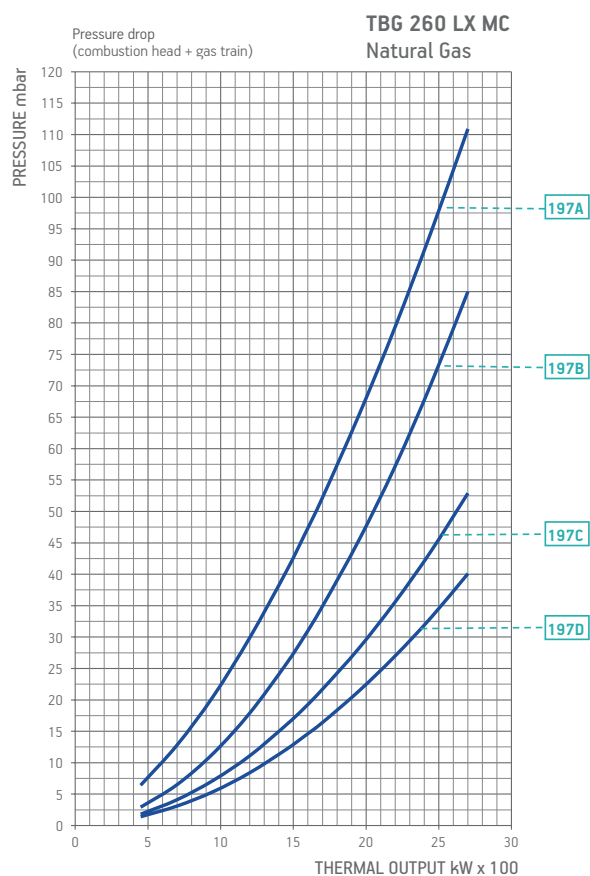
Soundproof burner cover	97980053
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GAS BURNERS ACCESSORIES

Boiler coupling kit, plug for wiring.

BURNER/GAS TRAIN MATCH

GAS



CE gas train version complies with EN676, EXP gas train version is for ext

Burner model	Gas type	Curve on graph	Version	P.Max ** mbar	Execution	Gas train	Regulator with incorporated filter	Burner/gas train adapter	Valve tightness control kit	Pic.	Notes
						Part no.	Part no.	Part no.	Part no.		
TBG 260 LX MC	Natural gas	197A	CE	360	CTV	19990609	Included	-	98000101	B7	11)
			EXP	360	CTV	19990609	Included	-	-	BE7	
		197B	CE	500	CTV	19990550	Included	-	98000102	B7	11)
			EXP	500	CTV	19990550	Included	-	-	BE7	
		197C	CE	500	CTV	19990563	Included	-	98000101	B7	11)
			EXP	500	CTV	19990563	Included	-	-	BE7	
		197D	CE	500	CTV	19990564	Included	-	98000101	B7	11)
			EXP	500	CTV	19990564	Included	-	-	BE7	
		198A	CE/EXP	360	CTV	19990562	Included	-	Included	D2	
			CE/EXP	500	CTV	19990524	Included	-	Included	D2	
			CE/EXP	500	CTV	19990525	Included	-	Included	D2	
			CE/EXP	500	CTV	19990526	Included	-	Included	D2	

Burner model	Gas type	Version	P.Max ** mbar	Execution	Gas train	Regulator with incorporated filter	Burner/gas train adapter	Valve tightness control kit	Kit LPG	Pic.	Notes
					Part no.	Part no.	Part no.	Part no.	Part no.		
TBG 260 LX MC	LPG	CE	500	CTV	19990550	Included	-	98000102	98000380	B7	11)
		EXP	500	CTV	19990550	Included	-	-	98000380	BE7	
		EXP	500	CTV	19990550	Included	-	98000102	98000380	BE7	
TBG 260 LX ME/MEV TBG 260 LX ME V O2 TBG 260 LX ME CO	LPG	CE/EXP	500	CTV	19990524	Included	-	Included	98000380	D2	

To choose the correct gas train please refer to the information on Burners Catalogue.

NOTES

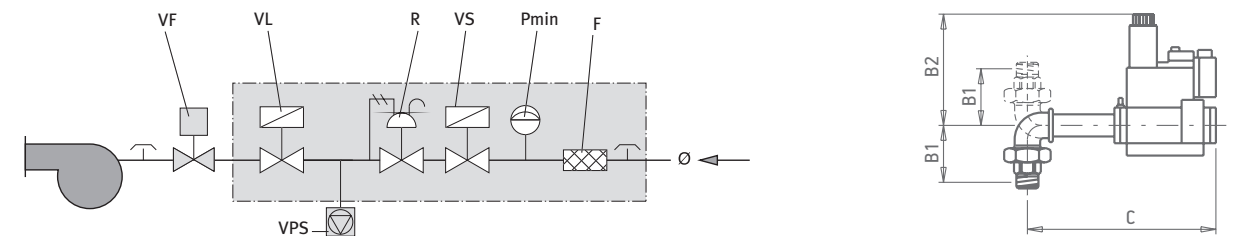
11 The train must be always completed with the VPS kit to comply with the EN676 regulations.

CTV Gas train with Valve Tightness Control.

**) Maximum gas inlet pressure at pressure regulator.

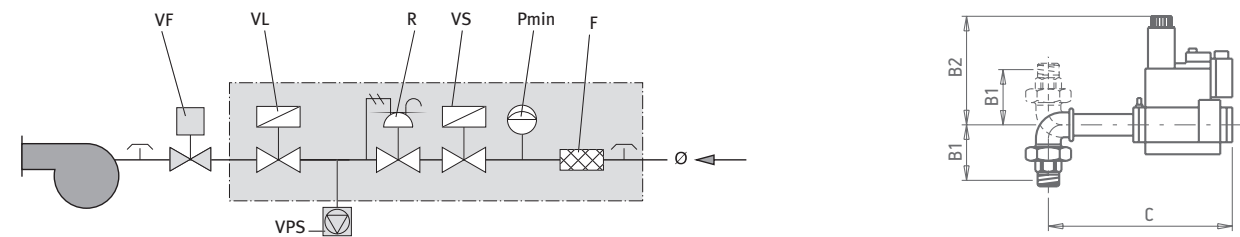
GAS TRAIN STRUCTURE AND COMPOSITION

B7



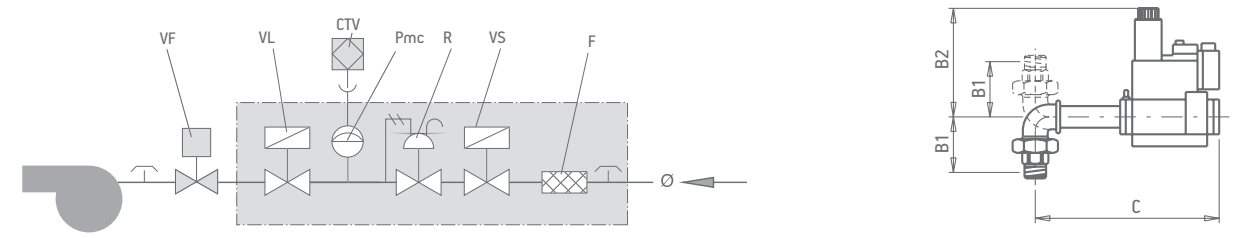
Gas train Part no.	Position								Gas train dimensions mm			Size of packaging mm L x P x H	Weight kg
	F	Pmin	R	VF	VL	VPS	VS	Ø	B1	B2	C		
19990550 (VGD20.503 - 2")	●	●	●	◆	●	▲	●	2"	114	285	890	990 x 300 x 500	15
19990563 (VGD40.065 - 2"1/2)	●	●	●	◆	●	▲	●	DN65	114	320	1120	1380 x 430 x 700	26
19990564 (VGD40.080 - 3")	●	●	●	◆	●	▲	●	DN80	114	325	1175	1380 x 430 x 700	28
19990609 (MB...420 - 2")	●	●	●	◆	●	▲	●	2"	114	220	600	460 x 250 x 460	13

BE7



Gas train Part no.	Position								Gas train dimensions mm			Size of packaging mm L x P x H	Weight kg
	F	Pmin	R	VF	VL	VPS	VS	Ø	B1	B2	C		
19990550 (VGD20.503 - 2")	●	●	●	◆	●	■	●	2"	114	285	890	990 x 300 x 500	15
19990563 (VGD40.065 - 2"1/2)	●	●	●	◆	●	■	●	DN65	114	320	1120	1380 x 430 x 700	26
19990564 (VGD40.080 - 3")	●	●	●	◆	●	■	●	DN80	114	325	1175	1380 x 430 x 700	28
19990609 (MB...420 - 2")	●	●	●	◆	●	■	●	2"	114	220	600	460 x 250 x 460	13

D2



Gas train Part no.	Position								Gas train dimensions mm			Size of packaging mm L x P x H	Weight kg
	CTV	F	Pmc	R	VF	VL	VS	Ø	B1	B2	C		
19990524 (VGD20.503 - 2")	●	●	●	●	◆	●	●	2"	114	285	890	990 x 300 x 500	14
19990525 (VGD40.065 - 2"1/2)	●	●	●	●	◆	●	●	DN65	114	320	1120	1380 x 430 x 700	26
19990526 (VGD40.080 - 3")	●	●	●	●	◆	●	●	DN80	114	325	1175	1380 x 430 x 700	28
19990562 (MB... 420 - 2")	●	●	●	●	◆	●	●	2"	114	220	520	520 x 410 x 410	13

- CTV** Valve tightness control.

F Filter.

LDU LDU valve tightness control.

Pct Pressure switch for gas control.

Pmax Maximum pressure switch.

Pmc Minimum and control pressure switch gas leaks.

Pmin Minimum pressure switch.

R Pressure regulator.

RF Pressure regulator with filter.
- RFP** Pressure regulator with filter for pilot gas train.

RM Manual flow rate regulator.

RP Pneumatic regulator.

VF Regulator throttle valve.

VL Operating valve.

VL2 Two-stage operating valve.

VLP Operating pilot valve.

VLR Operating valve with pressure regulator.
- VP** Pilot valve.

VPS VPS valve tightness control.

VS Safety valve.

VSP Safety pilot valve.

Ø Gas train diameter.

Ø1 Main gas train diameter.

Ø2 Pilot gas train diameter.
- As standard.

▲ As standard for burners with an output of more than 1200 kW, on request for burners with an output of less than 1200 kW.

■ On request.

◆ Mounted on burner.