

kW
from 450 to 2600



Series

TBG

Conform to

Gas Directive 2009/142/CE L.V. Directive 2006/95/CE
E.M.C. Directive 2004/108/CE Reference standard: EN676

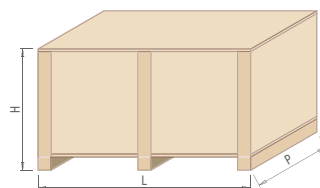
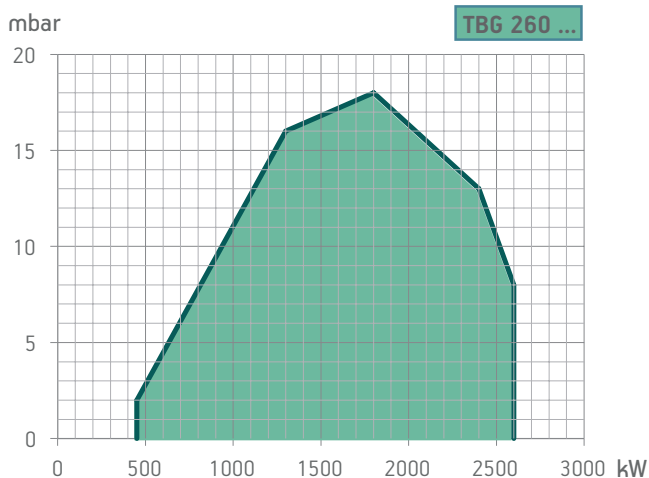


TBG 260 MC

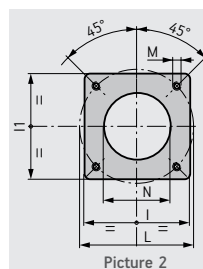
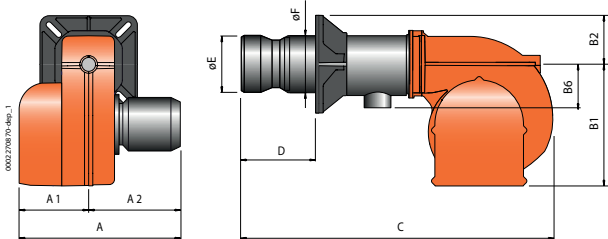


TBG 260 ME

	TBG 260 MC	TBG 260 ME
Gas burner compliant with European standard EN676. Operation:	mechanical two-stage progressive	electronic two-stage progressive
Continuous modulation operation by installing P.I.D. controller in the control panel (to be ordered separately with modulation probe).	•	•
Modulation ratio:	1:4	1:5
Low NOx and CO emissions gas burner according to European standard EN676:	Class 2	Class 2
Regulating combustion air and blast-pipe.	•	•
Maintenance facilitated by the possibility of removing the combustion head 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
Fully closing air damper on shutdown to avoid loss of heat through the chimney.	•	•
Combustion air intake designed to achieve optimum linearity of the air gate opening.	•	•
Device made of sound-absorbing material to reduce fan noise.	•	•
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
Flame detection by ionisation electrode with connector for micro amp meter.	•	•
Control board with warning lights.	•	
Control panel equipped either with display showing the working process and with the keyboard for the burner adjustment.		•
7-pole socket for burner electric and thermostatic supply.	•	•
4-pole socket for second stage control or for the connection of the PID electronic regulator.	•	•
Electric protection rating:	IP54	IP40
Electric control board in light aluminum alloy with IP55 protection rating	•	•



Model	Size of packaging mm			Weight kg
	L	P	H	
TBG 260 MC	1070	870	720	108
TBG 260 ME	1070	870	720	108



Flange dimensions and boiler drilling template

Model	A mm	A1 mm	A2 mm	B1 mm	B2 mm	B6 mm	C mm	D mm	E mm	F mm	I mm	I1 mm	L mm	M mm	N mm	Pic.
TBG 260 MC	795	375	420	400	170	200	1250	200 ÷ 450	250	219	320	320	280 ÷ 370	M12	255	2
TBG 260 ME	700	280	420	400	160	200	1320	200 ÷ 450	250	219	320	320	280 ÷ 370	M12	255	2

Emissions class	Thermal output kW	Model	Part no.	Electrical supply	Motor kW	Notes
Class 2	450 ÷ 2600	TBG 260 MC	17760010	3N AC 50Hz 400V	5,5	3) 4)
Class 2	450 ÷ 2600	TBG 260 ME	17770010	3N AC 50Hz 400V	5,5	3) 4)

MODULATING MODE

Description	Part no.
TBG 260 MC: modulation kit	98000057
TBG 260 ME: modulation kit	98000059
Modulating probe kit (see page 244)	

ACCESSORIES AVAILABLE ON REQUEST

Description	Part no.
Soundproof burner cover (see page 255)	97980053

GAS BURNERS ACCESSORIES

Boiler coupling kit, 4 and 7 pin plug

- NOTES**
- 3) Soundproof lid on burner air intake.
 - 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.

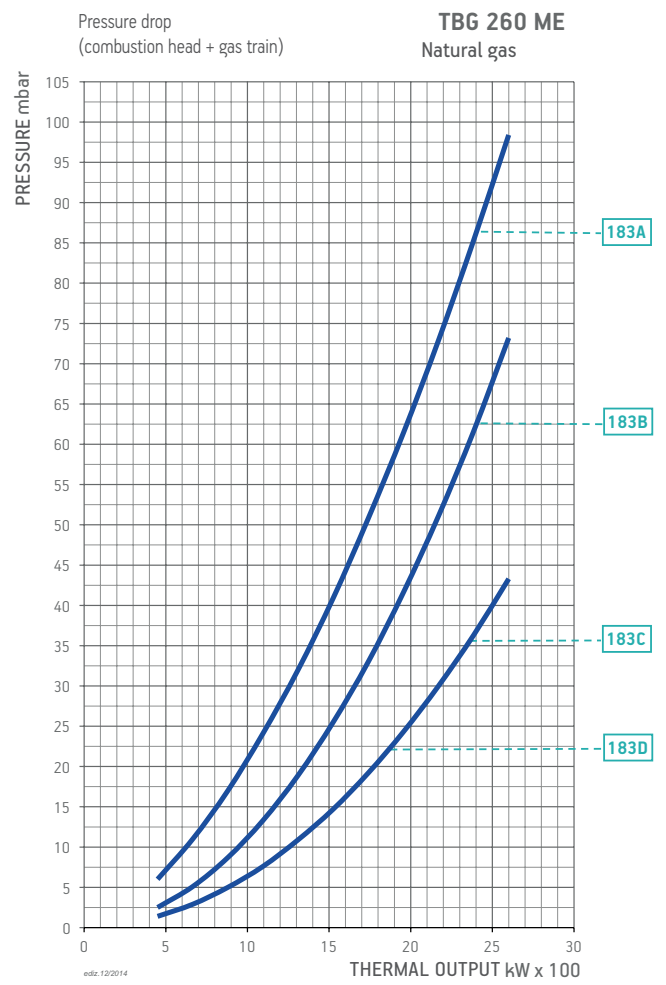
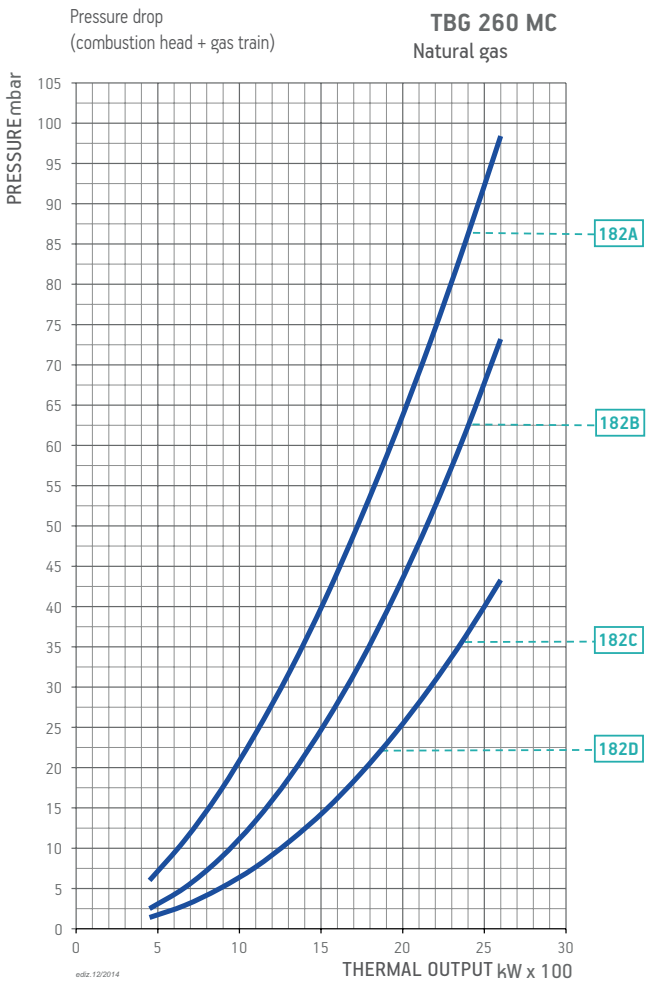
kW
from 450 to 2600

Series
TBG

BURNER/GAS TRAIN MATCH

GAS BURNERS

baltur



BURNER/GAS TRAIN MATCH

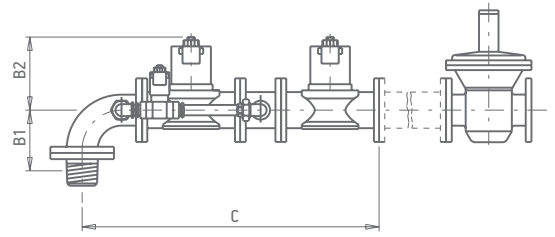
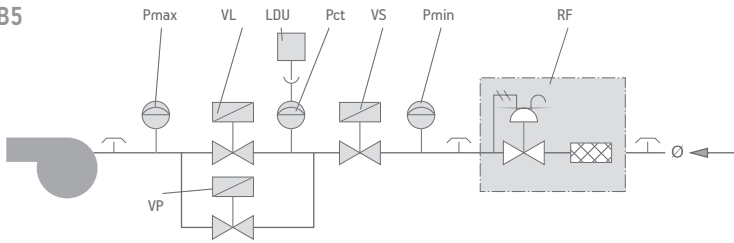
Burner model	Gas type	Curve on graph	Version	P.Max ** mbar	Execution	Gas train Part no.	Regulator with incorporated filter Part no.	Burner/gas train adapter Part no.	Valve tightness control kit Part no.	Pic.	Notes	
TBG 260 MC		182A	CE	360	CTV	19990609	Included	–	98000101	B7	11)	
			EXP	360	CTV	19990609	Included	–	–	BE7		
		182B	CE	500	CTV	19990550	Included	–	98000102	B7	11)	
			EXP	500	CTV	19990550	Included	–	–	BE7		
		182C	CE	500	CTV	19990563	Included	–	98000101	B7	11)	
			EXP	500	CTV	19990563	Included	–	–	BE7		
	182D	CE	500	CTV	19990564	Included	–	98000101	B7	11)		
		EXP	500	CTV	19990564	Included	–	–	BE7			
	TBG 260 ME	NATURAL GAS	183A	CE / EXP	360	CTV	19990562	Included	–	Included	D2	
			183B	CE / EXP	500	CTV	19990524	Included	–	Included	D2	
			183C	CE / EXP	500	CTV	19990525	Included	–	Included	D2	
			183D	CE / EXP	500	CTV	19990526	Included	–	Included	D2	

Burner model	Gas type	Version	P.Min * mbar	Execution	Gas train Part no.	Regulator with incorporated filter Part no.	Burner/gas train adapter Part no.	Valve tightness control kit Part no.	LPG nozzles kit Part no.	Pic.	Notes
TBG 260 MC	LPG	CE	70	CTV	19990550	Included	–	98000102	98000366	B7	11)
		EXP	70	CTV	19990550	Included	–	–	98000366	BE7	
TBG 260 ME	LPG	CE / EXP	70	CTV	19990524	Included	–	Included	98000366	D2	

- 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.
 - *) Minimum gas train inlet pressure needed to obtain maximum burner power with a combustion chamber backpressure of zero.
 - ***) Maximum gas inlet pressure at pressure regulator.

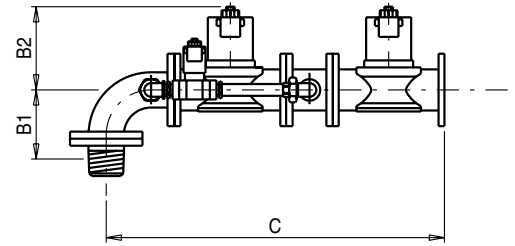
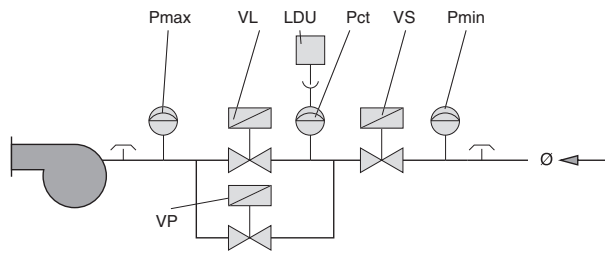
GAS TRAIN STRUCTURE AND COMPOSITION

B5



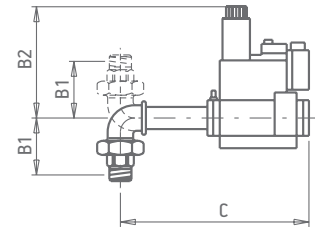
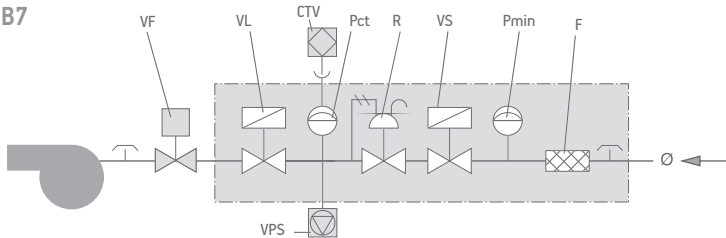
Gas train Part no.	Position										Gas train dimensions mm			Size of packaging mm	Weight
	LDU	Pct	Pmax	Pmin	RF	VL	VP	VS	∅	B1	B2	C	L x P x H	kg	
19990461	●	●	●	●	DN65	DN65	1"1/2	DN65	DN65	207	295	969	1260 x 650 x 600	64	
19990463	●	●	●	●	DN80	DN80	1"1/2	DN80	DN80	210	320	1016	1260 x 650 x 600	98	

BE5



Gas train part no.	Position										Gas train dimensions mm			Size of packaging mm	Weight
	LDU	Pct	Pmax	Pmin	VL	VP	VS	∅	B1	B2	C	L x P x H	kg		
19990460			●	●	DN65	1"1/2	DN65	DN65	207	295	969	1260 x 650 x 600	63		
19990461	●	●	●	●	DN65	1"1/2	DN65	DN65	207	295	969	1260 x 650 x 600	64		
19990462			●	●	DN80	1"1/2	DN80	DN80	210	320	1016	1260 x 650 x 600	97		
19990463	●	●	●	●	DN80	1"1/2	DN80	DN80	210	320	1016	1260 x 650 x 600	98		

B7

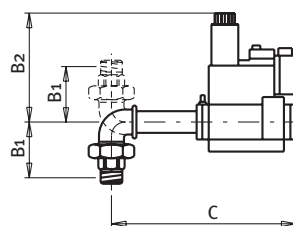
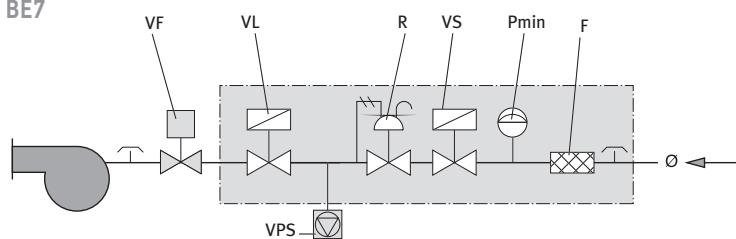


Gas train Part no.	Position										Gas train dimensions mm			Size of packaging mm	Weight
	CTV	F	Pct	Pmin	R	VF	VL	VPS	VS	∅	B1	B2	C	L x P x H	kg
19990545 (MB...407 - 3/4")		●		●	●	◆	●	■	●	3/4"	72	210	465	300 x 210 x 300	5
19990546 (MB...410 - 1")		●		●	●	◆	●	■	●	1"1/4	95	260	510	400 x 300 x 280	8
19990547 (MB...412 - 1"1/4)		●		●	●	◆	●	■	●	1"1/4	95	260	510	400 x 300 x 280	8
19990548 (MB...415 - 1"1/2)		●		●	●	◆	●	▲	●	1"1/2	103	170	600	460 x 250 x 460	11
19990549 (MB...420 - 2")		●		●	●	◆	●	▲	●	2"	114	220	600	460 x 250 x 460	13
19990550 (VGD20.503 - 2")		●		●	●	◆	●	▲	●	2"	114	285	890	990 x 300 x 500	15
19990563 (VGD40.065 - 2"1/2)		●		●	●	◆	●	▲	●	DN65	114	320	1090	1380 x 430 x 700	26
19990564 (VGD40.080 - 3")		●		●	●	◆	●	▲	●	DN80	114	325	1175	1380 x 430 x 700	28
19990565 (MB...420 - 2")	●	●	●	●	●	◆	●		●	2"	176	220	600	650 x 500 x 380	17
19990566 (VGD20.503 - 2")	●	●	●	●	●	◆	●		●	2"	176	285	890	990 x 300 x 500	18
19990567 (VGD40.065 - 2"1/2)	●	●	●	●	●	◆	●		●	DN65	125	320	760	1380 x 430 x 700	35
19990568 (VGD40.080 - 3")	●	●	●	●	●	◆	●		●	DN80	175	325	860	1380 x 430 x 700	37
19990609 (MB...420 - 2")		●		●	●	◆	●	▲	●	2"	114	220	600	460 x 250 x 460	13

LEGEND

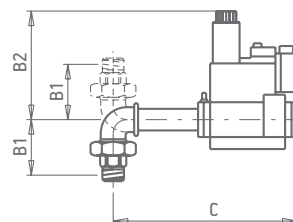
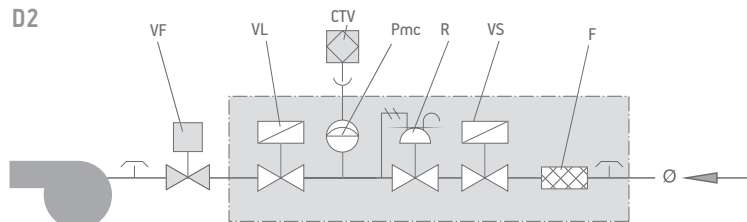
- | | | | | | | | |
|------|---|-----|--|-----|---|---|--|
| CTV | Valve tightness control | RF | Pressure regulator with filter | VLR | Operating valve with pressure regulator | ● | As standard; |
| F | Filter | RFP | Pressure regulator with filter for pilot gas train | VP | Pilot valve | ▲ | As standard for burners with an output of more than 1200 kW, on request for burners with an output of less than 1200 kW; |
| LDU | LDU valve tightness control | RM | Manual flow rate regulator | VPS | VPS valve tightness control | ■ | On request. |
| Pct | Pressure switch for gas control | RP | Pneumatic regulator | VS | Safety valve | ◆ | Mounted on burner. |
| Pmax | Maximum pressure switch | VF | Regulator throttle valve | VSP | Safety pilot valve | | |
| Pmc | Minimum and control pressure switch gas leaks | VL | Operating valve | ∅ | Gas train diameter | | |
| Pmin | Minimum pressure switch | VL2 | Two-stage operating valve | ∅1 | Main gas train diameter | | |
| R | Pressure regulator | VLP | Operating pilot valve | ∅2 | Pilot gas train diameter | | |

BE7



Gas train part no.	Position							Ø	Gas train dimensions mm			Size of packaging mm L x P x H	Weight kg
	F	Pmin	R	VF	VL	VPS	VS		B1	B2	C		
19990548 (MB...415 - 1"1/2)	●	●	●	◆	●	■	●	1"1/2	103	170	600	460 x 250 x 460	11
19990549 (MB...420 - 2")	●	●	●	◆	●	■	●	2"	114	220	600	460 x 250 x 460	13
19990550 (VGD20.503 - 2")	●	●	●	◆	●	■	●	2"	114	285	890	990 x 300 x 500	15
19990563 (VGD40.065 - 2"1/2)	●	●	●	◆	●	■	●	DN65	114	320	1090	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							Ø	Gas train dimensions mm			Size of packaging mm L x P x H	Weight kg
	CTV	F	Pmc	R	VF	VL	VS		B1	B2	C		
19990524 (VGD20.503 - 2")	●	●	●	●	◆	●	●	2"	114	255	890	990 x 300 x 500	14
19990525 (VGD40.065 - 2"1/2)	●	●	●	●	◆	●	●	DN65	114	318	1090	1380 x 430 x 700	26
19990526 (VGD40.080 - 3")	●	●	●	●	◆	●	●	DN80	114	325	1175	1380 x 430 x 700	28
19990555 (MB... 407 - 3/4")	●	●	●	●	◆	●	●	3/4"	72	140	365	300 x 210 x 300	5
19990556 (MB... 410 - 1")	●	●	●	●	◆	●	●	1"1/4	95	160	410	300 x 210 x 300	8
19990557 (MB... 412 - 1"1/4)	●	●	●	●	◆	●	●	1"1/4	95	160	410	300 x 210 x 300	8
19990558 (MB... 415 - 1"1/2)	●	●	●	●	◆	●	●	1"1/2	103	170	500	520 x 410 x 410	11
19990559 (MB... 420 - 2")	●	●	●	●	◆	●	●	2"	114	220	500	520 x 410 x 410	13
19990561 (MB... 415 - 1"1/2)	●	●	●	●	◆	●	●	1"1/2	103	170	500	520 x 410 x 410	11
19990562 (MB... 420 - 2")	●	●	●	●	◆	●	●	2"	114	220	500	520 x 410 x 410	13
19990573 (MB... 407 - 3/4")	●	●	●	●	◆	●	●	3/4"	72	140	305	400 x 300 x 280	12
19990574 (MB... 410 - 1")	●	●	●	●	◆	●	●	1"1/4	95	160	355	400 x 300 x 280	15
19990575 (MB... 412 - 1"1/4)	●	●	●	●	◆	●	●	1"1/4	95	160	355	400 x 300 x 280	15
19990576 (MB... 415 - 1"1/2)	●	●	●	●	◆	●	●	1"1/2	103	170	547	520 x 410 x 410	18
19990577 (VGD40.065 - 2"1/2)	●	●	●	●	◆	●	●	DN65	207	291	1225	1380 x 430 x 700	50
19990578 (VGD40.080 - 3")	●	●	●	●	◆	●	●	DN80	210	298	1350	1380 x 430 x 700	57

LEGEND

- | | | | | | | | |
|------|---|-----|--|-----|---|---|--|
| CTV | Valve tightness control | RF | Pressure regulator with filter | VLR | Operating valve with pressure regulator | ● | As standard; |
| F | Filter | RFP | Pressure regulator with filter for pilot gas train | VP | Pilot valve | ▲ | As standard for burners with an output of more than 1200 kW, on request for burners with an output of less than 1200 kW; |
| LDU | LDU valve tightness control | RM | Manual flow rate regulator | VPS | VPS valve tightness control | ■ | On request. |
| Pct | Pressure switch for gas control | RP | Pneumatic regulator | VS | Safety valve | ◆ | Mounted on burner. |
| Pmax | Maximum pressure switch | VF | Regulator throttle valve | VSP | Safety pilot valve | | |
| Pmc | Minimum and control pressure switch gas leaks | VL | Operating valve | Ø | Gas train diameter | | |
| Pmin | Minimum pressure switch | VL2 | Two-stage operating valve | Ø1 | Main gas train diameter | | |
| R | Pressure regulator | VLP | Operating pilot valve | Ø2 | Pilot gas train diameter | | |