

NEW

TBG... PN

From 110 to 2000 kW



Two-stage
progressive/modulating
gas burners
with pneumatic regulation



Conform to:
Gas Directive 90/396/CEE
E.M.C. Directive 89/336/CEE
L.V. Directive 73/23/CEE
Reference standard: EN676



PLUS

- Low NOx and CO emissions gas burner compliant with European standard EN676 "Classe II".
- Hinge opening on both sides for easy access to the combustion head when burner is installed.
- Gas train inlet can be mounted either upward or downward.
- Dynamic control of modulation.
- Electrical panel with protection rating of IP 55.

TECHNICAL AND FUNCTIONAL CHARACTERISTICS

- Gas-fired burner CE certified according to standard EN676.
- Two-stage progressive/modulating operation.
- Gas adjustment by pneumatic air/gas ratio operation valve.
- Suitable for operation with any type of combustion chamber, according to standard EN 303.
- Partial combustion gas recirculation blast-pipe with low NOx emissions (class II).
- High ventilation efficiency, low electrical input, low noise.
- Hinge opening on both sides for easy access to the combustion head when burner is installed.
- Air capacity adjustment with linear opening controlled by electric servo motor.
- Air damper closing when burner does not work.
- Electrical panel that connects by 4 and 7 pole plugs/sockets (standard accessories).
- Electrical panel with protection rating of IP 55.
- Sliding boiler coupling flange to adapt to head protrusion of the various types of boilers.
- Gas train inlet can be mounted either upward or downward.

CONSTRUCTION CHARACTERISTICS

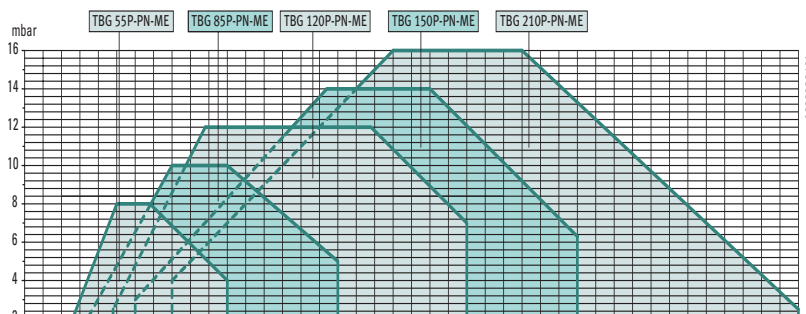
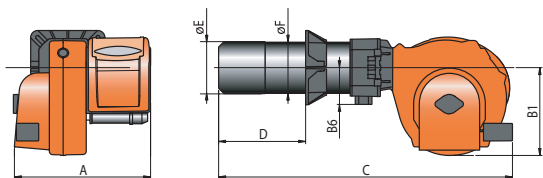
The burner consists of:

- Light die-cast aluminium alloy casing.
- Centrifugal fan, in light aluminium alloy, with onward vanes.
- Fan driven by light alloy three-phase electric motor.
- Combustion air input with sound insulation and designed for optimal air damper opening linearity.
- Light die-cast aluminium alloy electrical panel.
- Printed circuit electrical connections.
- Control panel with display diagram for working mode with indication lights, start/stop switch, automatic/manual mode selector, minimum/maximum selector and burner unblocking button; possibility to install RWF 40 electronic modulator.
- Electronic control box compliant with standard EN298, with running faults detection.
- Ionizer electrode flame detection.
- Gas train with safety valve and pneumatic air/gas ratio valve, minimum pressure switch, pressure regulator and gas filter.
- Intelligent connectors for burner/train (error proof).

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Model	A mm	B1 mm	B6 mm	C mm	D mm	E mm	F mm
TBG 55 PN	645	380	160	1230	175 ÷ 400	161	159
TBG 85 PN	645	380	160	1230	175 ÷ 400	180	178
TBG 120 PN	645	380	160	1280	200 ÷ 450	224	219
TBG 150 PN	645	380	160	1280	200 ÷ 450	240	219
TBG 210 PN	645	380	160	1280	200 ÷ 450	250	219

Thermal output kW	Model	Code	Electrical supply	Motor kW	Size of packaging L x P x H mm	Weight kg
Frequency 50 Hz						
110 ÷ 550	TBG 55 PN	17420010	3N AC 50Hz 400V	0,55	1080 x 770 x 700	76
170 ÷ 850	TBG 85 PN	17490010	3N AC 50Hz 400V	1,10	1080 x 770 x 700	78
240 ÷ 1200	TBG 120 PN	17560010	3N AC 50Hz 400V	1,5	1080 x 770 x 700	87
300 ÷ 1500	TBG 150 PN	17630010	3N AC 50Hz 400V	2,2	1080 x 770 x 700	91
400 ÷ 2100	TBG 210 PN	17700010	3N AC 50Hz 400V	3	1080 x 770 x 700	94
Frequency 60 Hz						
110 ÷ 550	TBG 55 PN	17425410	3N AC 60Hz 400V	0,55	1080 x 770 x 700	76
170 ÷ 850	TBG 85 PN	17495410	3N AC 60Hz 400V	1,10	1080 x 770 x 700	78
240 ÷ 1200	TBG 120 PN	17565410	3N AC 60Hz 400V	1,5	1080 x 770 x 700	87
300 ÷ 1500	TBG 150 PN	17635410	3N AC 60Hz 400V	2,2	1080 x 770 x 700	91
400 ÷ 2100	TBG 210 PN	17705410	3N AC 60Hz 400V	3,5	1080 x 770 x 700	94



baltur
TECNOLOGIE PER IL CLIMA

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Quality System Certified
UNI-EN ISO 9001 I.C.I.M. n° 202