



TBG 45 50Hz

Code: 17200010

Series: TBG

Technical and functional features

- Low NOx and CO gas-fired burners, EN676 "Classe III".
- Single stage operation (on/off).
- Compatible with any type of combustion chamber, according to EN303 standard..
- High blowing efficiency, low electrical input, low noise.
- Air-gas mixing at blast-pipe.
- Burnt gas recycling blast-pipe able to achieve very low pollutant emissions, particularly with regard to nitrous oxides (NOx).
- Maintenance facilitated by the fact that the mixing unit can be removed without having to remove the burner from the boiler.
- Control of comburent air flow.
- Gas regulation by means of a two-stage working valve that is electromagnetically driven.
- Ability to add a valves seal control device to the train.
- Comes with a 7-poles connector, 1 flange and 1 insulating seal to connect the burner to the application.

Design features

- Light die-cast aluminium ventilation unit.
- High performance centrifugal fan.
- Air intake with butterfly gate for the regulation of the air combusting flow rate.
- Sliding boiler coupling flange to adapt the head protrusion to the various types of boilers.
- Adjustable blast-pipe with stainless steel nozzle and deflector disk in steel.
- Flame viewer.
- Mono-phase electric motor to run fan for TBG 45, three-phase for TBG 60.
- Air pressure switch to ensure the presence of combustion air.
- Manual air flow adjustment.
- Gas train including safety and 1 $\frac{1}{2}$ " stage working valve that is electromagnetically driven, minimum pressure gauge, pressure adjuster and gas filter.
- Flame scanning by ionisation electrode.
- Synoptic control panel with led of operation and block and burner off, operation and block indicator.
- Sequence controller - EN 298..
- Built-in PCB into the control panel .
- Error proof connectors for gas train electrical supply.
- 7 pole outlet for burner electrical and thermostat supply.
- Prepared for microamperometer connection with ionisation cable.
- Electrical protection rating IP44.

Technical Data - TBG 45 50Hz:

Minimum Rated output	100	kW
Maximum Rated output	450	kW
Minimum gas flow rate	10.1	m ³ /h
Maximum gas flow rate	45	m ³ /h
Motor rated power	0.5	kW
Electric Power Supply Phase	1	N

Electric Power Supply Frequency 1	50	Hz
Electric Power Supply Current	AC	
Electric Power Supply Voltage	230	V
Weight	32	kg
Pack Width	970	mm
Pack Height	480	mm
Package depth	570	mm
Weight of Packaging	40	kg