# TBG 60 PV 50Hz

Code: 17280020

Series: TBG PV

## Technical and functional features

-Gas-fired burners, EN676.
-Two-stage operation (high/low flame).
-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.
-Maintenance facilitated by the fact that the mixing unit can be removed without having to remove the burner from the boiler.
TBG 45 - 60 PV
-Low NOx and CO gas-fired burners, EN676 "Classe III".
-Burnt gas recycling blast-pipe able to achieve very low pollutant emissions, particularly with regard to nitrous oxides (NOx).
-Regulation of air flow rate for first and second stage with damper closure on standby to prevent in-flue heat dispersion.
-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 4 and 7-poles connectors, 1flange and 1 insulating seal to connect the burner to the application.
TBG 85 PV
-Gas adjustment by two-stage electronic valve.
-Partial combustion gas recirculation blast-pipe with low NOx emissions (class II).
-Ambidextrous hinged combustion head allowing an easy maintenance access without removing the burner from the boiler..
-Air capacity adjustment with linear opening controlled by electric servo motor.
-Automatic closure of the air damper during stand-by..
-Electrical panel that connects by 4 and 7 pole plugs/sockets provided.
-Electrical panel with protection rating of IP 55.
-Sliding boiler coupling flange to adapt to the head protrusion of the various types of boilers.

## Design features

-Light die-cast aluminium ventilation unit.
-Air intake with butterfly gate for the regulation of the air combusting flow rate, with sound insulation and designed for optimal air damper opening linearity.
-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.
-Air pressure switch to ensure the presence of combustion air.
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-Flame scanning by ionisation electrode.
-Built-in PCB into the control panel .
-Error proof connectors for gas train electrical supply.
-7 pole outlet for burner electrical and thermostat supply, and 4 pole outlet for second stage control.
-Prepared for microamperometer connection with ionisation cable.
-Electrical protection rating IP44.
TBG 45 - 60 PV
-High performance centrifugal fan.

-Mono-phase electric motor to run fan for TBG 45, three-phase for TBG 60.
-Synoptic control panel with led of operation and block and burner off, operation and block indicator.
-Sequence controller - EN 298..
-Gas train including safety and 1°/2° stage working valve that is electromagnetically driven, minimum pressure gange, pressure adjuster and gas filter.

TBG 85 PV
-Centrifugal fan in light aluminum alloy.
-Three-phase light aluminum alloy electric motor. .
-Combustion air input with sound insulation and designed for optimal air damper opening linearity.
-Light die-cast aluminium alloy electrical panel.
-Built-in PCB into the control panel .
-Control panel with display diagram for working mode with indication lights, start/stop switch, 1st and 2nd stage selector and burner unblocking button.
-Electronic sequence controller with diagnosic lamps - EN 298..
-Gas train with safety valve and 1st and 2nd stage working, minimum pressure switch, pressure regulator and filter.
-Error proof connectors for gas train electrical supply.

## Technical Data - TBG 60 PV 50Hz:

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| Minimum Rated output | 120 | kW |
| Maximum Rated output | 600 | kW |
| Minimum gas flow rate | 12.1 | m3/h |
| Maximum gas flow rate | 60 | m3/h |
| Motor rated power | 0.75 | 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 | 34 | kg |
| Pack Width | 970 | mm |
| Pack Height | 480 | mm |
| Package depth | 570 | mm |
| Weight of Packaging | 42 | kg |