



## BTG 20 P 50-60Hz

Code: 17110010

Series: BTG P

### Technical and functional features

- Two-stage operation (high/low flame).
- Compatible with any type of combustion chamber.
- Air-gas mixing at blast-pipe.
- Ability to obtain optimal combustion values by regulating combustion air and blast-pipe.
- Combustion head with recirculation of combusted gases permitting achievement of very low levels of pollutant emissions, particularly nitrogen oxides (NO<sub>x</sub>) (class III for BTG 20P and class II for BTG 28P under standard EN676).
- Maintenance facilitated by the fact that the mixing unit can be removed without having to remove the burner from the boiler.
- Air flow regulation for first and second stage by means of electric servomotor with pause closure of gate to prevent any heat dispersion to flue.
- Possibility to choose gas train with valve tightness control.
- Comes with 4 and 7-poles connectors, 1 flange and 1 insulating seal to connect the burner to the application.

### Design features

- Light aluminium alloy fan part.
- High performance centrifugal fan.
- Combustion air inlet with device to adjust the air flow; automatically closing air gate.
- 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.
- Monophase electric motor to run fan.
- Air pressure switch to ensure the presence of combustion air.
- Gas train complete with operation and safety valve, minimum pressure switch, pressure regulator and gas filter.
- Sequence controller - EN 298..
- Flame scanning by ionisation electrode.
- 7 pole outlet for burner electrical and thermostat supply, and 4 pole outlet for second stage control.
- Prepared for microammeter connection with ionisation cable.
- Electrical plant protection rating IP40.
- Sound-proof plastic protective cover.

### Technical Data - BTG 20 P 50-60Hz:

|                                   |      |                   |
|-----------------------------------|------|-------------------|
| Minimum Rated output              | 60   | kW                |
| Maximum Rated output              | 205  | kW                |
| Minimum gas flow rate             | 6    | m <sup>3</sup> /h |
| Maximum gas flow rate             | 20.6 | m <sup>3</sup> /h |
| Motor rated power                 | 0.18 | kW                |
| Electric Power Supply Phase       | 1    | N                 |
| Electric Power Supply Frequency 1 | 50   | Hz                |
| Electric Power Supply Frequency 2 | 60   | Hz                |
| Electric Power Supply Current     | AC   |                   |
| Electric Power Supply Voltage     | 230  | V                 |
| Width                             | 303  | mm                |

|                     |     |    |
|---------------------|-----|----|
| Depth               | 695 | mm |
| Weight              | 17  | kg |
| Pack Width          | 780 | mm |
| Pack Height         | 410 | mm |
| Package depth       | 370 | mm |
| Weight of Packaging | 18  | kg |