

Burners

CODE 67490020

**TBG 1600 MC 50HZ**



Gas burner compliant with European standard EN676. Mechanical operation at two progressive stages.

Continuous modulation operation by installing P.I.D. controller in the control panel (to be ordered separately with modulation probe).

Modulation ratio 1:10.

Gas burner with low NOx and CO emissions in accordance with European standard EN676: class 2.

Combustion air intake with throttle damper. Air flow adjustment with mechanical cam.

Fully closing air damper on shutdown to avoid loss of heat through the chimney.

Maintenance facilitated by the possibility of removing the combustion head without having to remove the burner from the boiler.

Fixed boiler coupling flange.

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.

CE version main gas train is complete with operation and safety valve with electromagnetic drive, valve tightness control, minimum and maximum pressure switch, pressure regulator and gas filter

Fail proof connectors for burner/gas train connection

Gas train exit: low.

Flame detection by ionisation electrode with connector for micro amp meter.

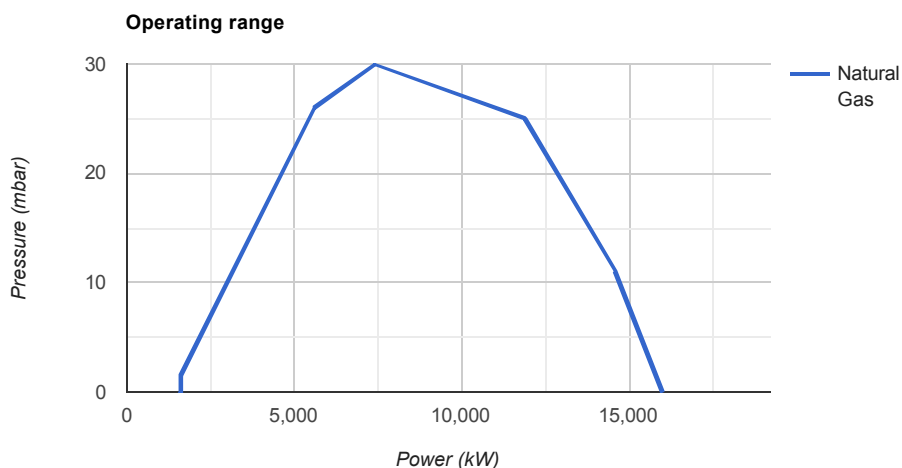
Control panel with display diagram for working mode with indication lights .

Terminal board for the electric and thermostatic connections to the burner.

Terminal board for second stage operation or for the connection of the PID electronic regulator.

Electrical system with protection rating IP54.

## Operating range



## Technical data

Tipo articolo	Gas burner compliant with European standard EN676. Mechanical operation at two progressive stages.
Funzionamento modulante	Continuous modulation operation by installing P.I.D. controller in the control panel (to be ordered separately with modulation probe).
Rapporto Modulazione	Modulation ratio 1:10.
Emissioni Lato Gas	Gas burner with low NOx and CO emissions in accordance with European standard EN676: class 2.
Regolazione aria	Combustion air intake with throttle damper. Air flow adjustment with mechanical cam.
Chiusura aria	Fully closing air damper on shutdown to avoid loss of heat through the chimney.
Fuel	Metano
Operation	Modulante Meccanico
Minimum Thermal Power (kW) to ErP	1600
Maximum Thermal Power (kW) to ErP	16000
Min flow rate (Sm <sup>3</sup> /H)	169
Max flow rate (Sm <sup>3</sup> /H)	1693
Manutenzione facilitata	Maintenance facilitated by the possibility of removing the combustion head without having to remove the burner from the boiler.
Flangia	Fixed boiler coupling flange.
Cerniera	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.
Gas Train	CE version main gas train is complete with operation and safety valve with electromagnetic drive, valve tightness control, minimum and maximum pressure switch, pressure regulator and gas filter
Connettore rampa gas	Fail proof connectors for burner/gas train connection
Uscita della rampa gas	Gas train exit: low.
Controllo fiamma	Flame detection by ionisation electrode with connector for micro amp meter.
Quadro comandi	Control panel with display diagram for working mode with indication lights .
Morsettiera	Terminal board for the electric and thermostatic connections to the burner.
Morsettiera	Terminal board for second stage operation or for the connection of the PID electronic regulator.
Protezione elettrica	Electrical system with protection rating IP54.
Electric power supply type	AC
No. of Phases	3N
Power Supply Voltage (V)	400
Power Supply Frequency (Hz)	50
Fan Motor Power (kW)	30
Weight without packaging (kg)	490.1
Weight with packaging (kg)	704.1
Width (mm)	1950
Depth (mm)	1680
Height (mm)	1280