

Burners

CODE 56570010

TBML 160 MC 50HZ



Burner with alternate methane gas/diesel fuel supply, EC approved according to European Directives EN676 and EN267. Gas side progressive two-stage operation, diesel side two-stage

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

Modulation ratio 1:4.

Gas side burner with low NOx and CO emissions in accordance with European standard EN676: class 3.

Burner with Low NOx and CO emissions on light oil according to European standard EN267:

Regulating combustion air and blast-pipe.

Combustion air intake with throttle damper. Mechanical cam air flow adjustment.

Combustion air intake designed to achieve optimum linearity of the air gate opening.

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.

Sliding boiler coupling flange to adapt the blast-pipe to the various types of boilers.

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 gas train is complete with butterfly valve, operation and safety valve with electromagnetic drive, valve tightness control, minimum pressure switch, pressure regulator and gas filter.

Fail proof connectors for burner/gas train connection

Gas train exit: high.

Pump connected to fan motor through electromagnetic clutch.

Fuel supply circuit made of gear pump with pressure adjustment, shut-off valves and safety valve

Manual fuel switching.

Flame detection by means of infrared IRD photocell.

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

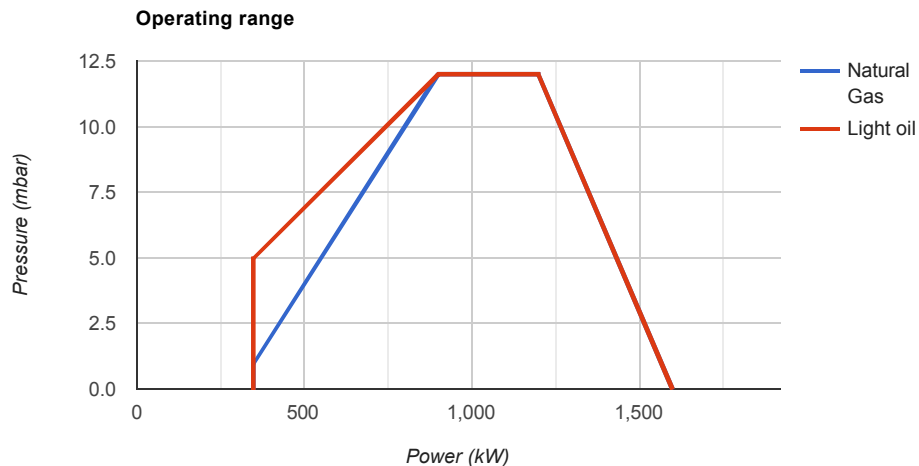
Electric control board in light alluminum alloy with IP55 protection rating

7-pole socket for burner electric and thermostatic supply.

4-pole socket for second stage control or for the connection of the PID electronic regulator.

Electrical system with protection rating IP54.

Operating range



Technical data

Tipo articolo	Burner with alternate methane gas/diesel fuel supply, EC approved according to European Directives EN676 and EN267. Gas side progressive two-stage operation, diesel side two-stage
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 1:4.
Emissioni Lato Gas	Gas side burner with low NOx and CO emissions in accordance with European standard EN676: class 3.
Emissioni Lato Gasolio	Burner with Low NOx and CO emissions on light oil according to European standard EN267:
Regolazione aria e testa	Regulating combustion air and blast-pipe.
Regolazione aria	Combustion air intake with throttle damper. Mechanical cam air flow adjustment.
Ingresso aria	Combustion air intake designed to achieve optimum linearity of the air gate opening.
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	350
Maximum Thermal Power (kW) to ErP	1600
Min flow rate (Sm³/H)	37
Max flow rate (Sm³/H)	169
Second Fuel	Gasolio
Second Fuel Operation	Bistadio
Second Fuel Min Thermal Power (kW)	550
Second Fuel Max Thermal Power (kW)	1600
Manutenzione facilitata	Maintenance facilitated by the possibility of removing the combustion head without having to remove the burner from the boiler.
Min flow rate (kg/h)	46
Max flow rate (kg/h)	135
Max Viscosity (°E)	1.5
Flangia	Sliding boiler coupling flange to adapt the blast-pipe to the various types of boilers.
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 gas train is complete with butterfly valve, operation and safety valve with electromagnetic drive, valve tightness control, minimum 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: high.
Pompa	Pump connected to fan motor through electromagnetic clutch.
Circuito combustibile	Fuel supply circuit made of gear pump with pressure adjustment, shut-off valves and safety valve
Commutazione combustibile	Manual fuel switching.
Controllo fiamma	Flame detection by means of infrared IRD photocell.
Quadro comandi	Control panel with display diagram for working mode with indication lights .
Quadro comandi	Electric control board in light aluminum alloy with IP55 protection rating
	7-pole socket for burner electric and thermostatic supply.
Presa 4 poli	4-pole socket for second stage control 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)	3
Weight without packaging (kg)	85.5
Weight with packaging (kg)	105
Width (mm)	1070
Depth (mm)	800
Height (mm)	700