

Burners

CODE 56760010

TBML 450 LX ME 50HZ



Burner with alternating supply of methane gas / light oil CE approved according to European standards EN676 and EN267. Progressive two-stage operation. Modulating operation available for both fuels by modulation kit (to be ordered separately)

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

Combustion air intake with throttle damper. Air flow adjustment with electric 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 UV photocell

Control panel equipped either with display showing the working process and with the keyboard for the burner adjustment.

Electrical system with protection rating IP54

Gas 1:7 , Light oil1:4

Brucciatoe lato gasolio a basse emissioni di NO_x e CO secondo la normativa europea EN267: classe 2

Regulating combustion air and blast-pipe

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

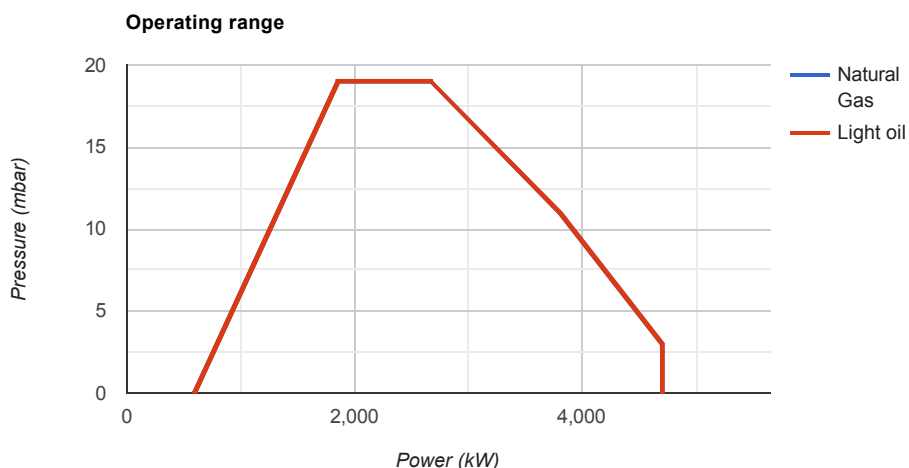
Electric motor for pump drive

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

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

Manual fuel switching

Operating range



Technical data

Tipo articolo	Burner with alternating supply of methane gas / light oil CE approved according to European standards EN676 and EN267. Progressive two-stage operation. Modulating operation available for both fuels by modulation kit (to be ordered separately)
Funzionamento modulante	Continuous modulation operation by installing P.I.D. controller in the control panel (to be ordered separately with modulation probe)
Rapporto Modulazione	Gas 1:7 , Light oil 1:4
Emissioni Lato Gas	Gas burner with low NOx and CO emissions in accordance with European standard EN676: class 3.
Emissioni Lato Gasolio	Bruciatore lato gasolio a basse emissioni di NOx e CO secondo la normativa europea EN267: classe 2
Regolazione aria	Regulating combustion air and blast-pipe
Regolazione aria	Combustion air intake with throttle damper. Air flow adjustment with electric cam
Chiusura aria	Fully closing air damper on shutdown to avoid loss of heat through the chimney.
Fuel	Metano
Operation	Modulante Elettronico
Minimum Thermal Power (kW) to ErP	600
Maximum Thermal Power (kW) to ErP	4700
Min flow rate (Sm ³ /H)	63
Max flow rate (Sm ³ /H)	497
Second Fuel	Gasolio
Second Fuel Operation	Modulante Elettronico
Second Fuel Min Thermal Power (kW)	1000
Second Fuel Max Thermal Power (kW)	4700
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)	84
Max flow rate (kg/h)	396
Max Viscosity (°E)	1,5
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
Chiusura aria	Fully closing air damper on shutdown to avoid loss of heat through the chimney
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
Motore	Electric motor for pump drive
Circuito combustibile	Fuel supply circuit made of gear pump with pressure adjustment, shut-off valve, shut-off valves and safety valve, safety pressure switch
Commutazione combustibile	Manual fuel switching
Controllo fiamma	Flame detection by UV photocell
Quadro comandi	Control panel equipped either with display showing the working process and with the keyboard for the burner adjustment.
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)	9.2
Weight with packaging (kg)	300
Width (mm)	1520
Depth (mm)	2000
Height (mm)	1160