



Wood-burning boiler with or without buffer tank

French Boiler Manufacturer since 1971



MC Classic

Natural draught boiler with an installed base of over 60,000 appliances, whose reparability and durability we guarantee, whatever your configuration.

- Natural draught log boiler
- Output from 20 to 40 kW
- Heating only or heating and hot water production with independent storage tank
- Can be installed without a buffer tank
- Easily coupled with an oil, pellet or solar boiler

Simple and economical

PERGE MC Classic boilers are easy and economical to install. No buffer tank is required.

PERGE MC Classique boilers do not require electricity for operation, if the hydraulic system permits. Boiler temperature control and overheating safety are ensured by thermostatic elements that function in all circumstances. The anti-boiling exchanger is factory-fitted.

They also feature thermosiphon connection ports for completely independent domestic hot water production.

Finally, if the heating system is designed for thermosiphon operation, these boilers can operate independently without electricity, in complete safety. The MC Classique boiler, on the other hand, operates without electricity.



Can be coupled with other energy sources (oil, pellets, solar).
Opposite : coupling with a PERGE Optitherm oil boiler.

Robust and renowned

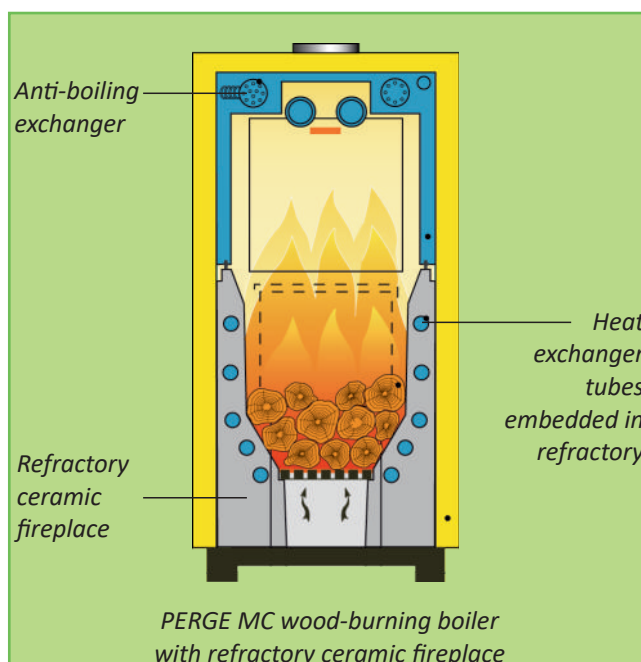
The refractory ceramic fireplace(see opposite) prevents dew point, even without the installation of a buffer tank. Over 60,000 homes have been heated with PERGE MC wood-burning boilers since 1974.



Refractory ceramic fireplace

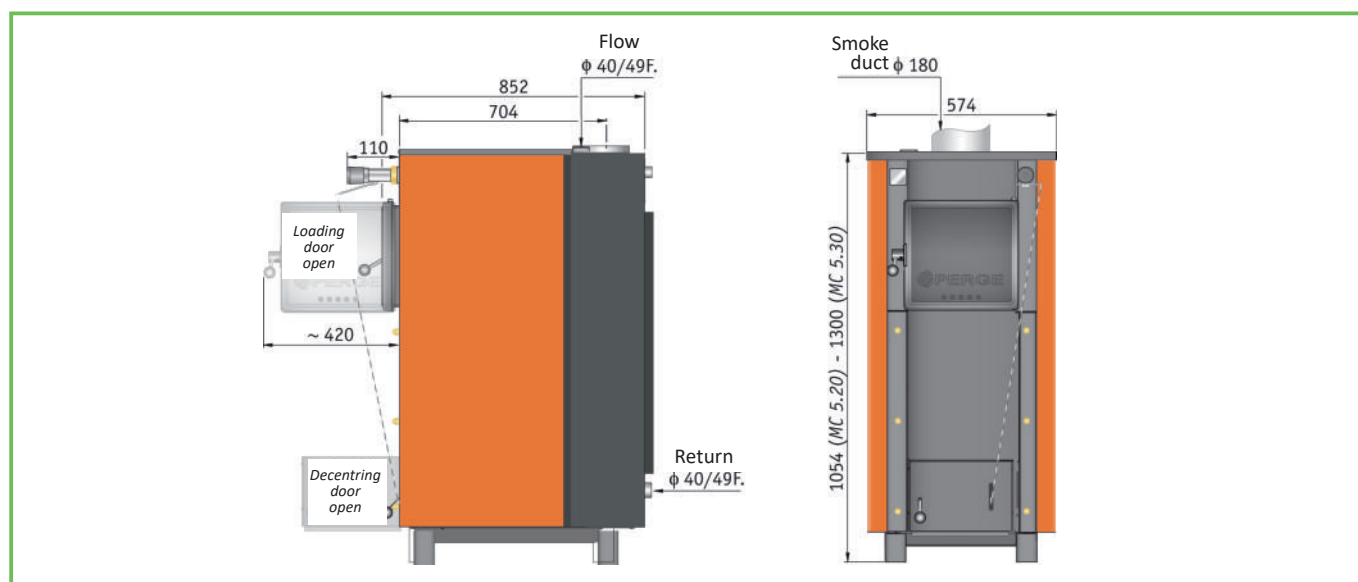
In a cast-iron or steel boiler, the temperature of the furnace walls barely exceeds the temperature of the water, i.e. around 80°C. The fireplace of PERGE MC boilers consists of a double tube bundle exchanger connected to a water blade. The whole unit is embedded in a reinforced refractory ceramic casing, forming the fireplace. The inner walls rise to temperatures in excess of 500°C, ensuring complete, clean, tar-free combustion.

By design, PERGE MC boilers do not suffer from fireplace corrosion. As a result, no buffer tank is required. A 3-way valve can be fitted for domestic hot water production, or for manual or automatic control of the heating circuit.



Technical and dimensional specifications

Designation	MC 5.20 Classic	MC 5.30 Classic	MC 15.40 Classic
Output (kW)	20	30	40
Maximum operating pressure (bar)	3	3	3
Fireplace volume (l)	135	150	185
Fireplace dimensions WxDxH (mm)	360 x 560 x 670	360 x 560 x 750	394 x 660 x 717
Loading door dimensions WxH (mm)	308 x 308	308 x 308	484 x 409
Water capacity (l)	49	59	85
Heating flow/return diameter	40 / 49 F	40 / 49 F	40 / 49 F
Flue gas volume flow at maximum power (m ³ /h)	115	151	233
Flue gas mass flow at maximum power (kg/h)	144	189	291
CO ₂ rate at maximum power (%)	9,0	9,0	9,0
Smoke nozzle diameter (mm)	180	180	180
Weight (kg)	330	370	530
Number of packages	2	2	2



PERGE MC Classic wood-burning boilers require only a small chimney draught : **from 1.3 mm wc to 1.8 mmCE**
 Moreover, they are delivered with a factory-fitted anti-boiling exchanger, to which a thermal safety valve should be connected to protect against overheating.
 Under these conditions, the PERGE MC wood-fired boiler can be run on a system with a closed expansion vessel.

Warranty

Boiler body: 3 years

Accessories (anti-boiling exchanger, draught regulator) : 2 years

Dealer stamp



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