



Combined log-biofuel boiler

GTEI

**French Boiler
Manufacturer
since 1971**



GTEI

Natural draught log burning boiler with oil boiler on top.

Output of 20 or 30 kW wood, 24 kW oil/biofuel.

Heating only or Heating and domestic hot water (DHW) with an independent tank.

Can be installed without buffer tank.

Freedom, simplicity and economy

Installing a PERGE GTEI boiler is the choice of freedom, simplicity and economy.

First, it doesn't require a buffer tank and only requires a small floor space.

The PERGE MC Classic log burning boiler from GTEI doesn't need electricity. Boiler temperature control and overheating safety are ensured by thermostatic elements that operate under all circumstances. The anti-boiling exchanger is factory-fitted.

Circulation to the oil/biofuel boiler is by thermosiphon.

Finally, the Optitherm 24 C-F30 special GTEI boiler, placed on the log burning boiler, can be fitted when installing a GTEI boiler for the first time, or later to any PERGE MC Classic boiler already installed.

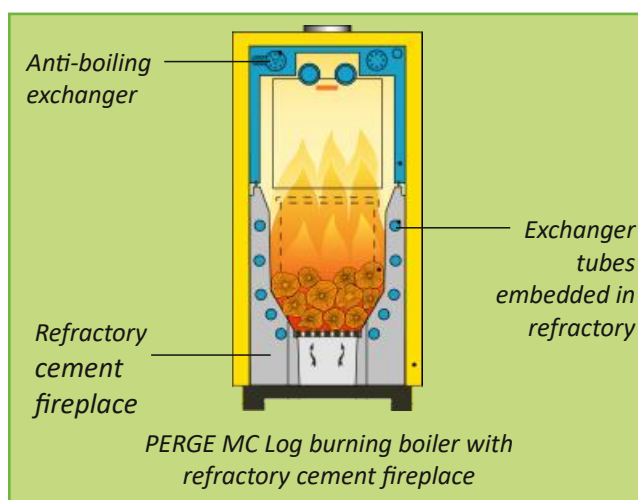
With a PERGE GTEI boiler, you have the choice of your energy. If you use wood as priority energy source, you will automatically switch over to oil/biofuel when there isn't enough wood.

Thanks to the hydraulic connection kit between the 2 boilers, and the flue gas collector fitted with a smoke thermostat, single-duct operation is automatic. In this case, the outputs of the 2 boilers are not added together.

Refractory cement fireplace

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

By design, PERGE MC boilers do not suffer from combustion chamber 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.



Oil boiler body warranty : 10 Years.

Conditions :

1 - Submission of the special 10-year warranty card.

2 - Annual maintenance of the boiler by a professional starting from the first year and throughout the entire warranty period.

3 - Proof of maintenance: invoices for these annual services.



Technical specifications and dimensions

| Designation | GTEI 20/24 F30 | GTEI 30/24 F30 | Optitherm 24 C-F30 special GTEI |
|----------------------------------|------------------|------------------|---------------------------------|
| Wood Output (kW) | 20 | 30 | / |
| Oil Output (kW) | 24 | 24 | 24 |
| Boiler dimensions WxDxH (mm) | 570 x 868 x 1790 | 570 x 868 x 2040 | 570 x 735 x 740 |
| Flue diameter (mm) | 180 | 180 | / |
| Loading door dimensions WxH (mm) | 308 x 308 | 308 x 308 | / |
| Water Capacity (l) | 129 | 139 | 70 |
| Weight (kg) | 445 | 485 | 115 |
| Number of packages | 4 | 4 | 2 |



F30 compatible biofuel burner

The Optitherm 24 C-F30 special GTEI boiler is equipped with the PERGE FE24-Bio30 biofuel burner.

Besides their low NOx emissions, FE24-Bio30 burners fitted to Optitherm 24 C-F30 special GTEI boilers benefit from the latest research into biofuels.

As an industrial partner in this program, PERGE offers compatible burners with biofuel containing up to 100% rapeseed ester.

PERGE MC Classic log burning boilers require only a small flue draught : **from 13 to 18 Pa**.
Moreover, they are supplied 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 log burning boiler will be able to operate on a system with a closed expansion vessel.

Warranty

3 years, extended to 10 years under the conditions indicated on the first page.
Accessories (anti-boiling exchanger, draught regulator) : 2 years.

Dealer Stamp



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