



Pellet boiler
Class 5 - 7* Green Flame

**French Boiler
Manufacturer
since 1971**



OptiPellet



12, 17, 23, 33 and 45 kW



Heating only or
Heating + DHW production by independent storage tank



10 years warranty (see below)



Installation without buffer tank and mixing valve



Self-cleaning burner and heat exchanger



Up to 3 circuits (underfloor heating + radiators +
DHW tank) without mixing valve directly from the
boiler

OptiPellet

Optional equipment



TH4, Class IV room temperature
controller (radio or wired) with
daily and weekly programming



RTE3, Class III boiler temperature
controller for outdoor
temperatures



OptiPellet Connect

Factory-fitted equipment



RC7, Class VII boiler temperature
control based on outdoor
temperature, heating curve
correction based on ambient data.



Myperge, application for Android
or iOS smartphone. Local control
via Bluetooth or Internet, remote
control via Internet.



Combustion control with lambda
probe and temperature sensor

Optional equipment



Outdoor and room temperature
sensors, wired or wireless, or
manually adjustable.

Exchanger body warranty : 10 years.

Conditions apply:

- 1 - Return of the special warranty certificate 10 years warranty,
- 2 - Annual boiler maintenance by a professional from the first year and throughout the warranty period.
- 3 - Proof : invoices for annual servicing.



Environmentally friendly

Thanks to their combustion chamber with 3-stage air intake for complete, clean combustion, PERGE OptiPellet pellet boilers amply meet the requirements of EN303-5 class 5 and Green Flame 7*.

Economical and easy to install

PERGE OptiPellet pellet boilers can easily supply up to 3 heating circuits at different temperatures directly from the boiler, without the need for additional hydraulic accessories (e.g.: 1 underfloor heating circuit + 1 radiator circuit + 1 independent DHW cylinder). This simplifies hydraulic installation and reduces installation times.

Robust and simple

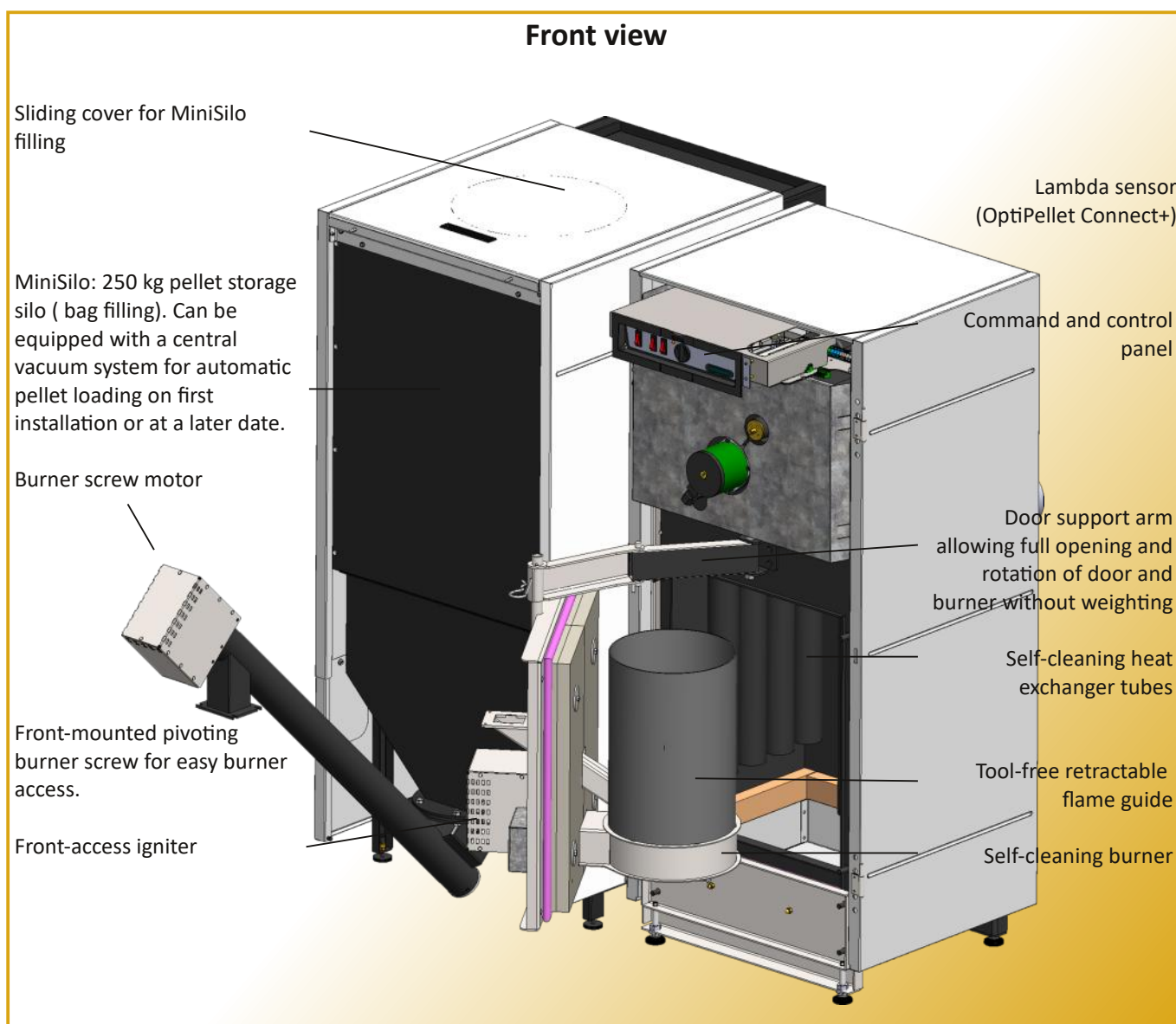
Thanks to the Stoptherm system, dew point inside the heat exchanger body is avoided, without the need for a mixing valve or buffer tank. **This eliminates the risk of exchanger body corrosion.**

Simple and easy maintenance

OptiPellet boilers are equipped with a **heat exchanger and a self-cleaning burner**. Ashes are collected in an ash pan located at the bottom of the boiler. The ashtray can be emptied manually by the user via the easily accessible ash door on the front of the boiler. The large volume of the ashtray means that the boiler can operate at over 1.5 tonnes between two emptying operations.

Other cleaning operations are carried out by a professional as part of boiler maintenance operations. They are facilitated by :

- Front-mounted pivoting burner screw for easy access to the burner without removing fuel..
- 180° hinged burner arm for easy cleaning of the combustion bowl and access to the fireplace.
- Tool-free retractable flame guide.

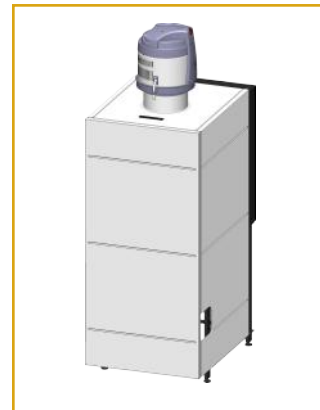


MiniSilo : the solution for compact, economical and scalable storage

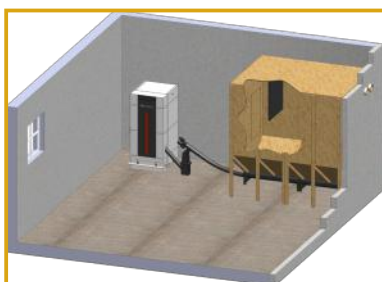


Space-saving storage to match the boiler
(boiler + silo width: 1.25 m)
Can be mounted on the left or right of the boiler
250 kg storage capacity (approx. 17 bags).

A central vacuum unit can be adapted to MiniSilo at a later date, for automatic filling.



SilBat : the high-volume storage solution that optimizes your space



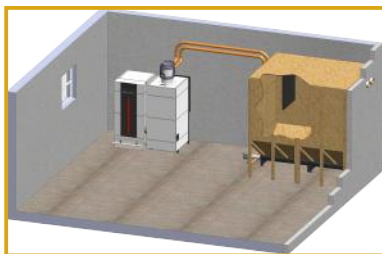
The **SilBat** building silo is a **solution for maximizing storage volume** by adapting to room configuration.

Its design is modular, with silo base elements of 0.50 m and 1.00 m and a maximum length of 3 m.

A screw conveyor running along the entire bottom of the silo ensures **complete emptying of the storage volume**.

Two fire-fighting connections for blower truck filling and venting are included, as is a shock-absorbing mat.

The total volume of the SilBat can reach **10 m³** (approx. **7 tons** of pellets).



Transport from the silo to the boiler can be by screw conveyor, over a maximum distance of 3 m, or by vacuum conveyor, in which case the maximum distance from the silo to the boiler is 20 m and the maximum height difference is 5 m.

SilTex : the turnkey high-volume storage solution



SilTex textile silos are a **"turnkey" solution**, practical and quick to install.

They are available in 3 sizes: 2.00 m x 2.00 m, 2.50 m x 2.50 m and 3.00 m x 3.00 m.

Maximum filling height can be 2.00 m or 2.50 m.

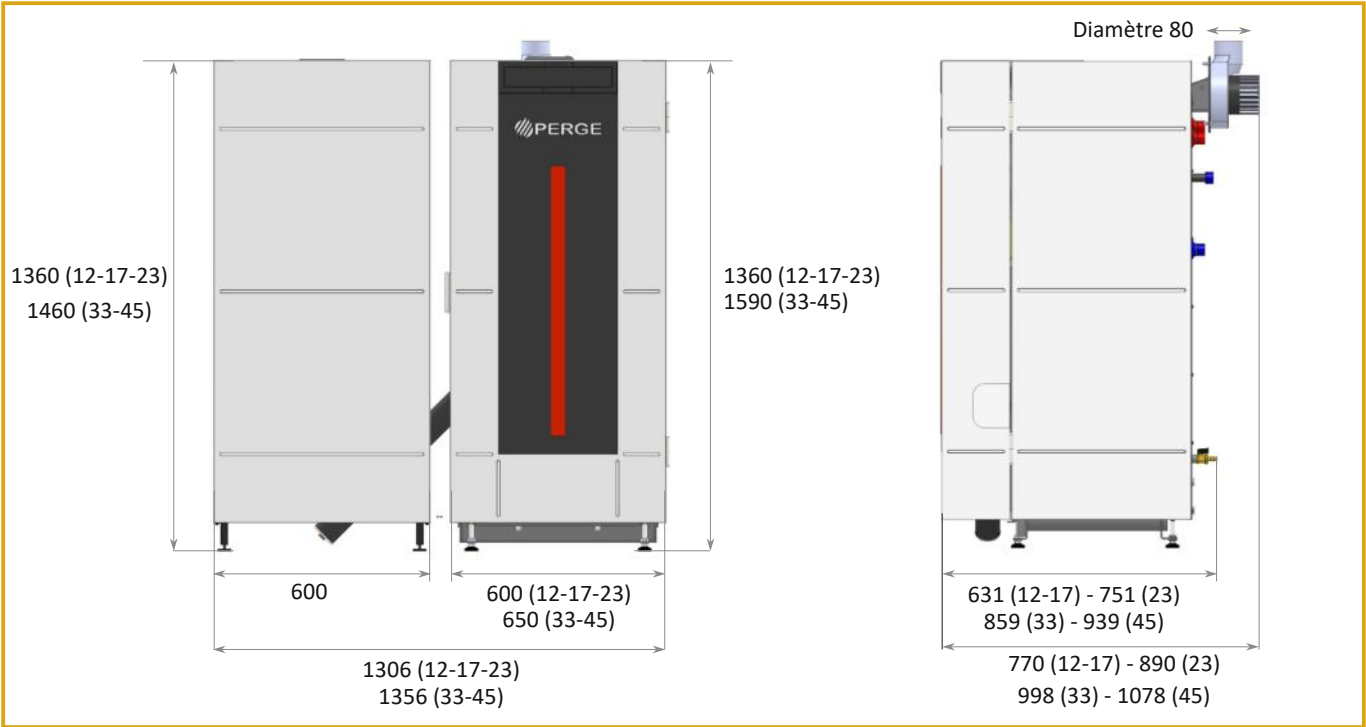
Storage volume, depending on configuration, extends **from 4.6 to 10.7 m³** (or **3 to 7 tons** of pellets respectively).



Transport from the silo to the boiler can be carried out by screw conveyor, over a maximum distance of 3 m, or by vacuum, in which case the maximum distance from the silo to the boiler is 20 m and the maximum height difference is 5 m.

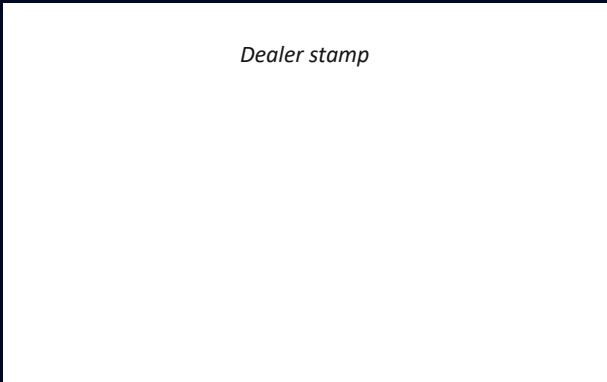
Technical and dimensional specifications

OptiPellet	12 C-D	17 C-D	23 C-D	33 C-D	45 C-D
Power output (kW)	12,5	17	23	33	45,6
Useful efficiency (%)	91,6	91	90,4	91	91,8
Class according to EN303-5	5	5	5	5	5
Meets BAR-TH 113 criteria applicable from July 1, 2021 and January 1, 2022 (state aid)	Yes	Yes	Yes	Yes	Yes
Cycle power consumption (W)	40	44	48	55	64
Power consumption at rest (W)	2	2	2	3	3
Seasonal Energy Efficiency SEER (%)	81	81	81	81	82
Energy Efficiency Index	124	124	124	124	124
Energy class	A+	A+	A+	A+	A+
Electrical supply	230 V / 50 Hz	230 V / 50 Hz	230 V / 50 Hz	230 V / 50 Hz	230 V / 50 Hz
Maximum heating circuit temperature (°C)	90	90	90	90	90
Maximum operating pressure (bar)	3	3	3	3	3
Required chimney draught (Pa)	12 à 20	12 à 20	12 à 20	12 à 20	12 à 20
Weight (kg)	190	190	230	280	300



Warranty

Boiler body : 3 years extended to 10 years under the conditions listed on page 1
Electrical and electronic equipment : 2 years



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