



Biofuel condensing
boiler

OptiCondens

Biofuel condensing boiler
Very High Energy Performance



24 and 32 kW



Heating only or
Heating + hot water with 90 or 150 l stainless steel tank



Chimney or room sealed



10-year warranty (see below)



Control via smartphone app (Connect version)



Stoptherm : device preventing any risk of corrosion and allowing operation without a low temperature limit and without a mixing valve



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



Low-NOx biofuel burner integrated into the boiler (Eco-Conception 2018 certified)



100% biofuel compatible



OptiCondens & OptiCondens Connect



Designed to work up to
**100% plant based biofuel or
100% hydrotreated vegetable oil**

Boiler body warranty : 10 years.

Under conditions :

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



PERGE, french boiler manufacturer since 1971



Product robustness

At its site in Portes-Lès-Valence (26), PERGE can count on a workforce dedicated to the quality of the products it manufactures.

OptiCondens

Ideal for underfloor heating and radiator systems.

Factory-fitted equipment

- + Boiler, burner, storage tank (if DHW) and control panel factory-fitted, ready for operation
- + Heating circulator circuit n°1 factory fitted
- + Duotherm : system for supplying 2 heating circuits at different temperatures without a mixing valve. Ideal for heating with underfloor heating + radiators.

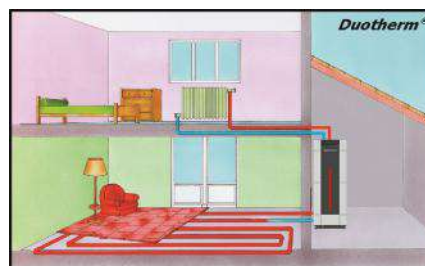
- + Tubular-beam condenser in 904L stainless steel, made from top-quality materials for top performance (Seer > 91%, Very High Energy Performance)

Optional equipment

- + RTE3, Class III controller for boiler temperature as a function of outdoor T°
- + TH4, Class IV room temperature controller (radio or wired) with daily and weekly programming
- + Hydraulic module for heating circuit n°2 including heating circulator, shut-off valves, anti-thermosiphon valve and insulation

Duotherm device

PERGE OptiCondens oil boilers can easily supply 2 heating circuits at different temperatures (e.g. underfloor heating + radiator circuit) directly from the boiler, without the need for additional hydraulic accessories. This simplifies hydraulic installation and reduces installation times.



Direct supply of underfloor heating and radiators with a PERGE OptiCondens oil boiler with Duotherm

An oil boiler without a chimney

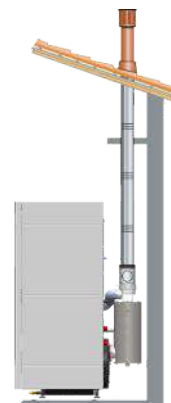
PERGE OptiCondens boilers are also available in a room sealed version, which means they can be connected without a chimney.

3 types of room sealed connection are possible :

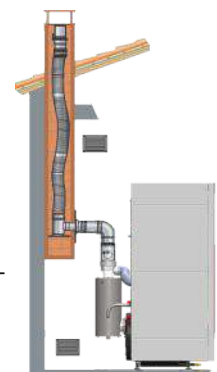
- C13 : Horizontal concentric room sealed (max : 4 lengths of 1 m + 1 90° bend pipe + 1 terminal)



- C33 : Concentric vertical room sealed roof outlet (max.: 5 lengths, 1 m + 1 terminal)



- B23/B33 : Connection to chimney (max : 1 90° bend pipe + 1 B23/B33 adapter + 1 90° T-pipe + 12 m of duct)



Easy to install

Thanks to the Stopterm system, dew point inside the heat exchanger body is avoided, without the need for a mixing valve. Operation without low temperature limit, or even total boiler shutdown. Maintenance costs are reduced, with significant fuel savings. **No risk of exchanger body corrosion.**

Environmentally friendly

In addition to the low NOx burner, PERGE Optitherm oil boilers also benefit from the latest research in the field of biofuel.

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

Team proximity

Customer service is at the heart of the PERGE technical and sales teams' approach.



OptiCondens Connect+

The premium solution for all types of installation with additional remote control

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.
- + Boiler, burner, storage tank (if DHW) and connected RC7 controller factory-fitted, ready for operation
- + Heating circulator circuit n°1 factory fitted
- + Duotherm : system for supplying 2 heating circuits at different temperatures without a mixing valve. Ideal for heating with underfloor heating + radiators.
- + Tubular-beam condenser in 904L stainless steel, made from top-quality materials for top performance (Seer > 91%, Very High Energy Performance)

Optional equipment

- + Wired or radio outdoor and room temperature sensors



Régulation climatique avec correction d'ambiance (classe VII) connectée

RC7 is a class VII control, acting simultaneously on the heating circuit temperature :

- by modulating it according to external climatic conditions ;
- by adapting and correcting it according to ambient needs.

The temperature sensors are easy to install and transmit information by wire or radio.

The device is controlled via your smartphone using the MyPerge app, available from Google Play (Android) or Apple Store (iOS).



Connection is made locally via **Bluetooth or Internet**, or remotely via **Internet**. Data exchanges are encrypted for greater security.



You can control **up to 3 heating circuits** or 2 heating circuits + 1 domestic hot water circuit.

The outdoor sensor is available in a wired or radio version. Each heating circuit is equipped with a wired or radio **room sensor**. The room sensor is also available with manual comfort temperature setting.

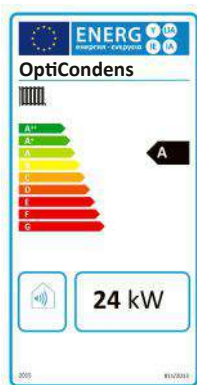


Outdoor or room sensor without manual comfort temperature setting



Room sensor with manual comfort temperature setting

Good efficiency for less pollution



PERGE OptiCondens condensing boilers are highly energy-efficient boilers that easily meet the requirements of the European Eco-design Directive in terms of both efficiency and low pollutant emissions :

- Seer efficiency greater than 91% ;
- NOx emissions below 120 mg/Nm3.

The combustion efficiency of PERGE OptiCondens condensing boilers can reach up to 104.6%.

Technical and dimensional specifications

All OptiCondens Models	24 C-F30	32 C-F30	24 B90-F30	24 B150-F30	32 B150-F30
Maximum power output (kW)	23,5	32,1	23,5	23,5	32,1
Maximum useful yield (%)	97,1	97,3	97,1	97, 1	97,3
Seasonal Energy Efficiency Seer (%) as per 813/2013 (without regulation)	91	93,2	91	91	93,2
Seasonal Energy Efficiency Class as per 813/2013 (without regulation)	A	A	A	A	A
NOx emissions (mg/kWh) - Maximum threshold in 2018 : 120	110	104	110	110	104
DHW tank volume (l)	/	/	90	150	150
Boiler height (mm)	920	920	1590	1590	1590
Boiler width (mm)	600	600	600	600	600
Boiler depth (with condenser) (mm)	1050	1050	1050	1050	1050
Room sealed outlet diameter (mm)	80 / 125	80 / 125	80 / 125	80 / 125	80 / 125
Weight (kg)	166	176	218	228	238
OptiCondens Connect+ - Chimney or Room sealed					
Seasonal Energy Efficiency Seer (%) as per 811/2013 (with regulation)	93,5	95,7	93,5	93,5	95,7
Seasonal Energy Efficiency Class as per 811/2013 (with regulation)	A	A	A	A	A

Warranty

Heat exchanger body : 3 years extended to 10 years under the conditions listed on the front page

Electrical and electronic equipment : 2 years

www.perge.com

Find our catalog-price list, documentation and more information on all our products at www.perge.com

Dealer stamp



380 av. Salvador Allende
26800 PORTES LES VALENCE
Phone number : +334.75.57.81.63
Fax : +334.75.57.24.91
E-mail : contact@perge.fr

www.perge.com