



Modulens O

FLOOR-STANDING OIL CONDENSING BOILER

ADVANCE



High technology with oil

- >> High performance modulating burner
- >> Compact boiler design
- >> Compatible with renewable energies



SOLAR
SOLID FUEL
HEAT PUMPS
CONDENSING OIL/GAS

De Dietrich
Sustainable Comfort®





Ultra efficient, ultra modular.

New concept

- Boiler and DHW tank in whatever combination you choose

Unique modulation

- New unique patented modulating oil burner: from 59 to 100%
- Very quiet
- No repeated ignition sequences

Annual efficiency up to 105%

- Condensing technology recovers the energy usually wasted
- Optimal eco-design performance for heating and hot water



New design

- Contemporary style, top of the range Advance styling

Very compact

- In the heating only version: 111 x 60 x 68 cm (H/W/D)



Optimal performance

- New monoblock stainless steel exchanger

Maximum comfort

- Diematic iSystem control system

Hot water in quality and quantity

- Integrated 100 L or 160 L DHW tanks, option of adding a 220 litre solar DHW tank

Trouble-free maintenance

- Easy access to all components, trouble-free maintenance, comes fully assembled.
- Quick installation

Modulens O



ENERGY
SAVINGS

OF UP TO

35%*

HIGH
EFFICIENCY

UP TO

105%

A unique technology!

The patented modulating oil burner, exclusive by De Dietrich, avoids repeated ignition. It is very quiet and ensures a perfect adaptation of the boiler output to the needs and a decrease of the electric consumptions of the installation.

Top of the range comfort

The ultra efficient Diematic iSystem control system allows you to manage and meet your heating and domestic hot water needs as accurately as possible.

A benefit for the planet

Choosing a Modulens O boiler also means making a great contribution to helping the environment. Condensing technology limits the quantity of energy used and the modulating oil burner reduces pollutant emissions to the minimum.

With Advance,
demand the best for
you and for the planet.



* Savings compared to an oil-fired boiler, 18 to 20 years old, without programming.

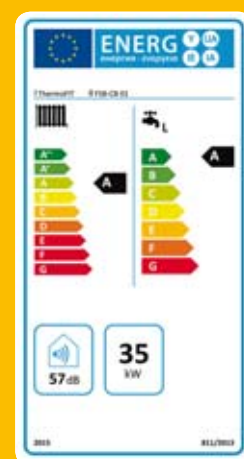


With Eco-Solutions, De Dietrich thought at first of you

Created by De Dietrich, the **ECO-SOLUTIONS** label guarantees you a range of products in line with European Directives on Ecodesign and Energy Labelling. These Directives are into effect since the 26 September 2015 and apply to heating and domestic hot water production appliances.

With De Dietrich **ECO-SOLUTIONS**, you can benefit from the latest generation of multienergy systems, easier to use, with better performance and energy savings, designed to give you greater comfort while caring for the environment. **ECO-SOLUTIONS** also mean expertise, advice and a wide range of services from the De Dietrich professional network.

The energy label, in combination with the **ECO-SOLUTIONS** label, will provide you with information on the product's performance. More info at ecodesign.dedietrich-heating.com





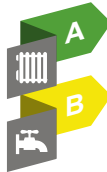
The high performance solution for your comfort

Optimum efficiency

Condensing technology uses the heat from the steam contained in the flue gases. It optimises the tiniest fraction of energy and gives it back to you. Fitted with the latest technological innovations, the Modulens O range guarantees **high efficiency: up to 105%**.



- Modulens O complies with **Eco-design** and **energy labelling requirements**, with superior heating and hot water performance.



- The **monoblock stainless steel heating body** exclusive to De Dietrich guarantees that Modulens O will continue to perform for a very long time.

ADVANTAGE

Energy savings of up to 35%

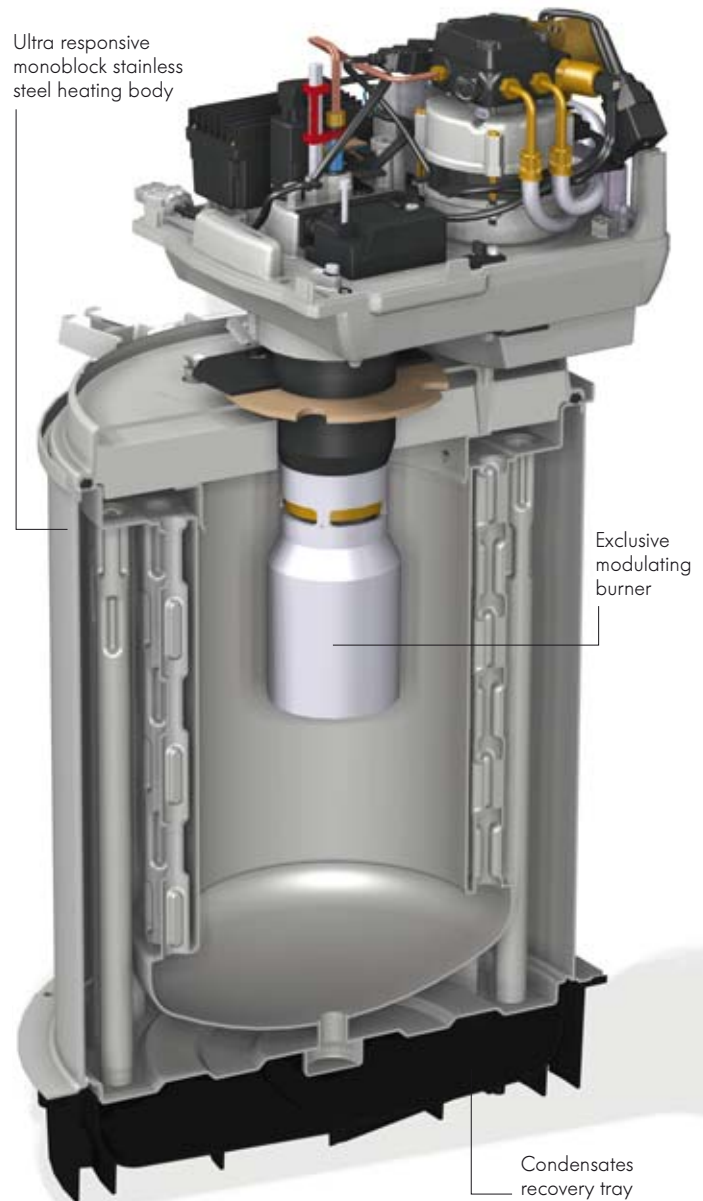
Top modulating burner

The new **modulating burner**, with a range from 59 to 100%, is a unique, **patented design**. It ensures the best possible consumption level and significant reduction in pollution levels: up to -50%

- Drop in electricity consumption, igniting 3 times less often than a conventional burner.
- Quiet operation: only 60 dB(A) at part load.
- Modulating heating pump built in, adapting the heating water flow for optimal performance. This reduces electricity consumption.

ADVANTAGE

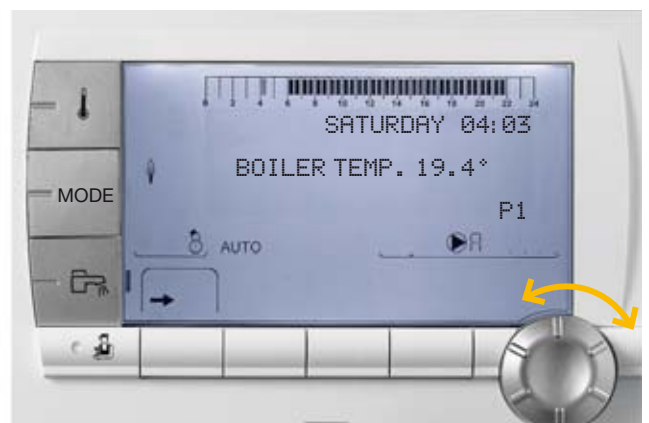
Very quiet



Intelligent system: new Diematic iSystem control system

The result of De Dietrich's advanced research, Diematic iSystem is the new control system at the heart of the installation, designed to obey your every command to the letter. At one and the same time, it is:

- **INNOVATIVE:** high-tech design with a new extra-wide LCD display, rotary button and sensitive keys.
- **INTUITIVE:** simple to browse through and easy to read. Integrated mini-instructions. Text-based system. Option of naming the circuits for better understanding.
- **INTELLIGENT:** extended functionalities and options.
- **INTERACTIVE:** can be integrated into a centralised home automation system.





Your heating project

Decide your needs

Heating only	House ≤ 150 m ²		Large detached house	
Modulens O AFC 18-24 (18 - 24 kW)	✓			
Modulens O AFC 30 (30 kW)			✓	
Heating + domestic hot water	≤ 90 m ²	≤ 150 m ²	normal use	intensive use
Modulens O 18 or 24 kW with 100 litre tank	✓	✓		
Modulens O 34 kW with 100 or 160 litre tank	✓	✓	✓	✓
Modulens O 18, 24 or 30 kW with 220 litre solar tank	✓	✓	✓	✓

This information is given as a rough guide for standard housing units. It is imperative that you refer to the recommendations of your specialised heating installer, who will suggest the most suitable solution for your project.

Hot water: maximum comfort

To meet your domestic hot water needs perfectly, Modulens O can be combined with **several models of DHW tank**. They are **fitted as standard with Titan Active System**, guaranteeing perfect conservation of the water and the longevity of the installation, all maintenance-free! The tanks in steel and high quartz content vitrified enamel guarantee a very high level of water condensation quality.

- 100-L DHW tank, with **high performance plate exchanger**, integrated in the boiler unit for cutting edge performances in a compact solution.
- 160-L DHW tank positioned next or under the boiler if your needs are greater.
- 220-L solar DHW tank positioned next to the boiler.

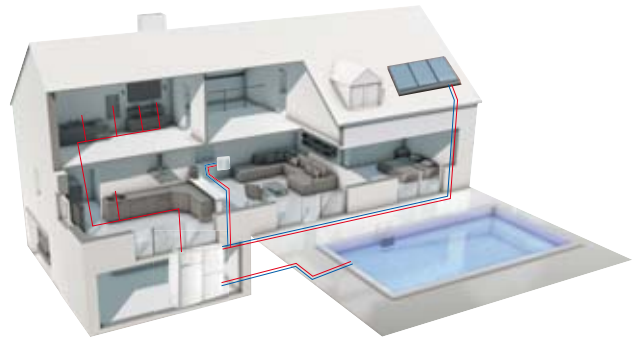
ADVANTAGE
Flow rate up to 26 litres per minute



Multi-energy system: 40% savings

Whether in renovation or new build, you can combine your Modulens O condensing oil boiler with other energies: solar systems, wood-fired or heat pumps.

For example, by combining Modulens O with the B220 SHL solar DHW tank and Dietrisol PRO D 230 solar collectors, you get 60% of your domestic hot water absolutely free. As part of a new build, the Modulens O range is perfectly suited to a Low Energy Building project.



Easy installation and maintenance

The Modulens O boiler comes fully equipped, assembled and ready for connection for straightforward installation.

- Incorporation as standard of a **modulating high energy efficiency A-class pump (EEI < 0,23)** that helps to reduce electricity consumption.
- All components are accessible from the front of the boiler, for problem-free maintenance.
- **Compact models** that fit in anywhere with a depth of only 68 cm and a width of 60 cm for the heating only versions, plus heating and hot water with a 100 litre DHW tank.
- Option of forced flue or chimney connection.

ADVANTAGE
Compact
"all-in-one" solution

Connected multi-energy solution

Whether in new build or renovation, the Modulens O boiler is compatible with multi-energy solutions.

You can therefore make energy savings of up to 35% (compared with an 18 to 20 year old oil boiler with no control system). It is possible to combine it with a 220 L solar DHW tank for the production of domestic hot water in combination with solar collectors.

ADVANTAGE
Even more savings



MODELS

	AFC 18	AFC 24	AFC 30
Oil energy			
Output	from 10.6 to 18 kW	from 14.1 to 24 kW	from 16.7 to 28.6 kW
PERFORMANCE Heating	A	A	A
PERFORMANCE Hot water	B	B	B
Boiler type	Oil condensing		
Functions			
Heating only	•	•	•
Heating + storage domestic hot water:			
- 100 L DHW tank integrated under the boiler	•	•	•
- 160 L DHW tank placed beside the boiler (B version) or under the boiler (V version)	•	•	•
- 220 L solar DHW tank placed beside the boiler (B version)	•	•	•
Ignition			
Electronic	•	•	•
Equipment			
Models equipped with: A-class modulating circulating pump, pressure gauge, safety valve, automatic air vent integrated in the boiler	•	•	•
Connection			
Chimney	•	•	•
Forced flue	•	•	•
Control system			
Diematic iSystem	•	•	•

Dimensions and weight:
H = Height, W = Width, D = Depth



H 111 or 119 cm
W 60 cm
D 68 cm
from 113 to 133 kg

AFC 18-24-30 kW



H 167 or 174 cm
W 60 cm
D 68 cm
from 169 to 189 kg

AFC/V 100 HL



H 111 cm
W 120 cm
D 68 cm
from 201 to 221 kg

AFC/B 160 SL



H 171 or 179 cm
W 60 cm
D 80 cm
from 201 to 221 kg

AFC/VL 160 SL



H 120 cm
W 120 cm
D 68 cm
from 232 to 252 kg

AFC/B 220 SHL

A FRENCH QUALITY MARK

For over 3 centuries, De Dietrich has based its success on an unchanging demand for quality, reliability and durability. As a forerunner in the field of environmentally-conscious heating technologies,

De Dietrich has steadily pursued a dual objective: to protect the planet, while offering you the best in comfort. At the cutting edge of innovation, De Dietrich multi-energy systems make a significant contribution to cutting your energy consumption and your CO₂ emissions. Choosing De Dietrich means investing in a heating solution that will ensure your well-being and peace of mind. For a long time.

De Dietrich: the choice for Sustainable Comfort®

Your installer:



De Dietrich Thermique
SAS with corporate capital of 22,487,610 €
57, rue de la Gare - F-67580 Mertzwiller
Tel: +33 3 88 80 27 00 - Fax: +33 3 88 80 27 99
www.dedietrich-heating.com