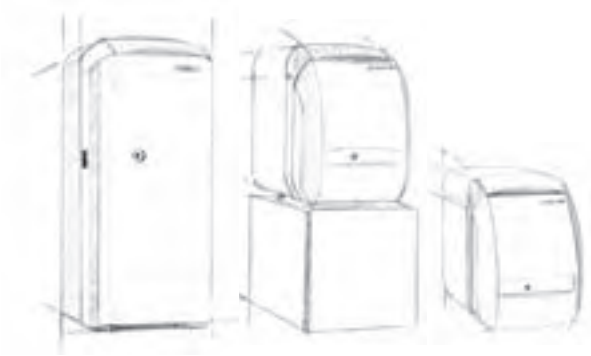
GTU C 120

Oil-Fired Condensation Boilers



- Controlling Energy to save Money
- Innovation for your Comfort and for the Planet
- The Ideal Solution for Renovation Projects

CONDENSATION TECHNOLOGY AT THE SERVICE OF OIL

www.dedietrich-heating.com

De Dietrich
Sustainable Comfort®


De Dietrich

GTU C 120

OIL CONDENSATION TECHNOLOGY

The condensation technique is currently one of the best responses to energy saving and protection of the environment, whilst also guaranteeing you optimum comfort. The new De Dietrich range of oil-fired condensation boilers allows you to take advantage of the performance of oil whilst reducing your heating bills.
Particularly suited to renovation projects, GTU C 120 boilers will give you all the well-being you want without changing energy source.

Optimised comfort
PROTECTED PLANET

Consuming less energy also means reducing the emission of pollutants into the atmosphere.
And thanks to the combination of oil condensation technology and the Eco-NOx burner, especially developed to reduce NOx emissions, GTU C 120 boilers help to protect the environment.
In terms of comfort, highly efficient control systems to manage and meet your actual heating and domestic hot water needs as accurately as possible.

Deals with the constraints
OF RENOVATION

Ideal for renovation projects, GTU C 120 boilers incorporate a number of advantages. They are compact and include within the same casing: heating body, exchanger, burner, control system and hot water tank, and take up less space in your home.
Another advantage, thanks to its ceramic exchanger, the GTU C 120 operates with all qualities of oil.

Energy controlled
SAVINGS GUARANTEED

Thanks to its know-how and a perfect understanding of the latest technologies, De Dietrich has designed a new range of oil-fired condensation boilers that offer a 30 to 50% reduction in energy consumption.

GTU C 120

THE 6 PLUSES OF OIL-FIRED CONDENSATION BOILERS

1

ADVANTAGE
Energy savings of up to 35%

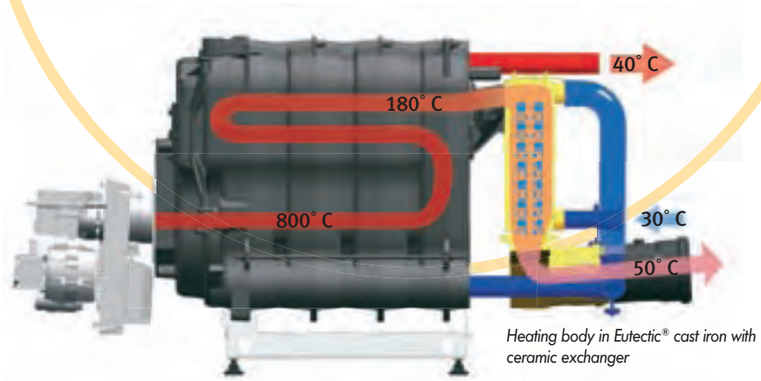
Annual efficiency of 104%

The principle of condensation technology consists in **recycling the energy usually wasted, stored in the form of heat in the flue gases**. This recycling offers significant energy savings and efficiency of 104 %.

For its range of GTU C 120 boilers, De Dietrich has integrated equipment which also works to optimise energy use and facilitate thermal exchange:

- a heating body in Eutectic® cast iron with three-path flue gas circuit
- a large sized combustion chamber
- a second exchanger in ceramic recycles the heat from the flue gases at the end of the cycle.

Another advantage, **GTU C 120 boilers operate with all qualities of oil**.



Heating body in Eutectic® cast iron with ceramic exchanger

2

ADVANTAGE
Reduction of pollutant emissions

For a clean planet

The GTU C 120 range helps to protect the environment in a number of ways.

By reducing energy consumption, condensation also reduces the quantity of pollutants released into the atmosphere. In addition, De Dietrich has further enhanced the ecological contribution of condensation by fitting its boilers with Eco-NOx burners. **Thanks to the powerful aeraulics, the DUOPRESS® system, the burner allows clean combustion with very low NOx emissions (responsible for acid rain)**.

Result: less energy consumed, better energy use and lower pollutant emissions.

3

ADVANTAGE
ideal for renovation projects

Compact and easy to install

The GTU C 120 range offers compact boilers that take up very little space. The GTU C 1200 V model, for example, incorporates heating body, burner, control system and domestic hot water tank in the same casing.

The boilers are delivered ready to use. Easy to install, they can be adapted to all kinds of spaces, thanks to their compact size.

As part of a renovation project, the use of small diameter flue gas pipes in PPS (synthetic material), whether flexible or rigid, also obviates costly tubing in the chimney.

And thanks to easy access to all of the components in the exchanger, maintenance is child's play.

GTU C 1200 V

4

ADVANTAGE
Optimal comfort according to your needs

Customised settings

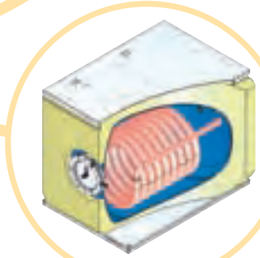
The control systems allow you to adjust the temperature to an accuracy of one degree to meet your heating needs exactly, when and as you decide.

As they can be programmed, they allow you to make real energy savings, whilst guaranteeing maximum comfort.

Functions	Standard	Diematic 3
Radiator circuit + DHW	•	•
Underfloor heating circuit + DHW		•
Extension to other types of application (heating a pool, adaptation to a solar kit…)		•
Regulation according to the outside temperature		•
Regulation according to the room temperature		
- Optional room temperature thermostat	option	
- Optional remote control		option
Programming of timed heating periods	option	•

5

ADVANTAGE
Abundant, instant hot water



The guarantee of abundant, high quality domestic hot water

The boilers in the GTUC 120 range offer a number of solutions for the production of domestic hot water: 160 L or 250 L DHW tanks placed under the boiler or integrated 130 L tanks.

Designed with steel tanks, coated in high quartz content enamel, they guarantee a very high water storage quality. The thickness of the materials guarantees the long life of the installation, further enhanced by the "Titan Active System" (self-adapting current anode), which allows maintenance-free protection of the tank.

Comfort at the throw of a switch, with abundant hot water any time you need it.

6

ADVANTAGE
complete systems

Can be combined with other heating systems

The GTU C 120 boiler can operate in combination with other heating systems, such as solar systems, heat pumps or wood-fired boilers. These various options allow you to cover all your domestic hot water and heating needs, whilst taking advantage **of significant reductions in your oil consumption**.

Which GTU C 120 for your needs?

	For a house				
Heating only					
GTU C 120			•		
Heating + domestic hot water	surface area < 90 m²	surface area < 150 m²	surface area > 150 m² normal use	surface area > 150 m² intensive use	max hourly flow rate (litres per hour)*
GTU C 1200/V 130	•	•	•		665
GTU C 1200/L 160	•	•	•		665
GTU C 1200/L 250		•	•	•	810

This information is given as a rough guide for typical housing units. It is imperative that you refer to the recommendations of your installer/ heating specialist who will suggest the most suitable solution for your project. *at $\Delta t = 35k$

GTU C 120

THE RANGE

Models	GTU C 120	GTU C 1200/L	GTU C 1200/V
Energy oil	•	•	•
Output (in kW)			
Chimney	16 - 34	16 - 34	16 - 28
Forced flue	16 - 34	16 - 34	16 - 28
Burner integrated into the casing	•	•	•
Functions			
Heating only	•		
Heating + hot water with storage:			
- With 130 L DHW tank			•
- With 160 L DHW tank located under the boiler		•	
- With 250 L DHW tank located under the boiler		•	
Connection			
Chimney	•	•	•
Forced flue	•	•	•
Control system			
Standard	•	•	•
Diematic	•	•	•

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

H 835 mm
W 570 mm
D 1458 mm
245 Kg

GTU C 120

H 1470 mm
W 600 mm
D 1458 mm
375 Kg

GTU C 1200/L

H 1436 mm
W 630 mm
D 1308 mm
321 Kg

GTU C 1200/V

Your installer:

www.dedietrich-heating.com

De Dietrich

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