

# News 2007

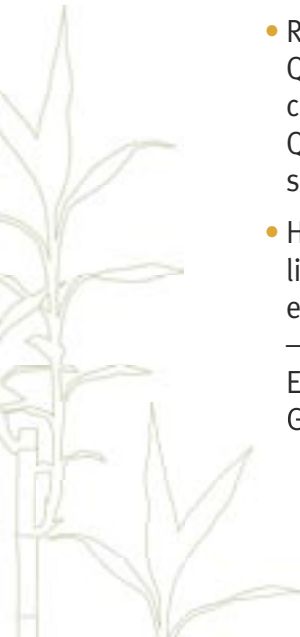
# Sustainable Comfort<sup>®</sup>



More than ever, today's heating systems must offer Sustainable Comfort<sup>®</sup>. This principle is at the core of De Dietrich's pioneering approach to the combination of reduced energy consumption, high efficiency and uncompromising comfort.

This year, De Dietrich has put the emphasis on innovation in two technologies:

- Renewable energies, with the new Dietrisol Quadrodens condensing combined heating centre and the breakthrough Dietrisol QuadroPac system, which combines solar energy with a heat pump.
- High-efficiency condensing technology, with line extensions resulting in the launch of two especially compact heating solutions – the new condensing gas boilers Vivadens / Ecodens – and the new room-sealed GTUC 120 condensing oil boiler.



# DIETRISOL QUADRODENS DUC 500

CONDENSING-SOLAR | COMBINED HEATING CENTRE

## A sound investment in Sustainable Comfort®

De Dietrich has complemented its range of condensing combined heating centres for hot water production and auxiliary heating function with the Dietrisol Quadrodens DUC 500 model. This new system offers an extremely compact **all-in-one solution which combines a Dietrisol Quadro tank, a condensing gas boiler with an output of 15 to 25kW and a Diematic control panel.**



## Simple, quick installation

- With a **footprint of only 1.5 m<sup>2</sup>** and a limited height, the Dietrisol Quadrodens system is incredibly compact, thus offering maximum flexibility.
- Thanks to factory-mounted components, the set up is easy and time-saving – a fact that helps keeping set up costs down.

## Excellent comfort

- The highly efficient Dietrisol Quadrodens combined heating centre **covers the heat and hot water needs of up to 8 persons in a living space of up to 250m<sup>2</sup>.**
- **The heating centre takes advantage of both solar energy and condensing technology.**
- Up to 13m<sup>2</sup> of solar collectors can be connected to the system for pre-heating purposes. This makes it possible to tap solar power as the exclusive energy source in spring and autumn.

RENEWABLE ENERGIES

# DIETRISOL QUADROPAC

SOLAR-HEAT PUMP | COMBINED HEATING CENTRE



## Making the most of renewable energies

A real breakthrough by De Dietrich: the Dietrisol QuadroPac combined heating centre associates – for the first time within a single system – **solar energy with a heat pump!**

## High levels of efficiency and comfort

- This system is similar to the Dietrisol Quadrodens condensing-solar combined heating centre for hot water production with auxiliary heating function.
- This innovative system actually acts as the **hub controlling the home's complete heating and hot water supply.**

## Tailored solutions

### ROE-II heat pump

- This air/water heat pump is ideally suited both for new homes and renovation projects.
- **Output: 6 to 10kW with a CoP up to 3.5.**
- Lowest operating outside temperature:  $-15^{\circ}\text{C}$  for an output heating temperature of  $+54^{\circ}\text{C}$ .

### ROE+ heat pump

- **This air/water heat pump has an output of 11kW with a CoP up to 3.7.**
- Lowest operating outside temperature:  $-20^{\circ}\text{C}$  for an output heating temperature of  $+55^{\circ}\text{C}$ .



# VIVADENS

WALL-MOUNTED CONDENSING | BOILER

## Condensing technology at its best, simplicity as a bonus

This latest of the wall-mounted condensing boilers is equipped with a **micro-water-accumulation system** delivering first class comfort while remaining **very compact in size**. The Vivadens range includes a heating-only version (24kW), **three combination boilers (28 to 39kW) and a choice of two external hot water cylinders (80 and 130l)** for superlative hot water comfort.

## Excellent allround performance

- The condensing technology results in an **annual efficiency** of up to **109%**, while **energy consumption is down by around 35%** (when compared with an 18 to 20 years old boiler without electronic control and regulation).
- The Vivadens range produces abundant hot water; the combi version, even without external tank, achieves excellent temperature stability at an exceptional **flow rate of up to 19l/min**.

## Easy to set up

- The boiler is **ultra-compact (H67 x W40 x D30cm) and very light (29 to 33kg)**. It can be installed almost anywhere.
- The flue system can be either conventional or concentric.
- The boiler comes factory-equipped with all necessary components.

## Easy to use

- The user-friendly control panel features a large backlit control screen, six function buttons, an on/off switch and a needle manometer.
- The boiler is **compatible with the well-known Easymatic and Easyradio advanced control systems**.



CONDENSING

# ECODENS

COMPACT | CONDENSING GAS BOILER



## Affordable condensing technology

Convenient, compact and easy to set up: the Ecodens boiler combines excellent comfort with minimum space requirements. It is **ideally suited for heating an individual home**, while its 130l floor-standing cylinder provides **high-end hot water comfort for a family of 4 to 5**.

## High-efficiency heating and hot water production

- Annual efficiency is up to 109%.
- Energy consumption is down by around 40% (when compared with an 18 to 20 years old boiler without electronic control and regulation).
- The enamelled cylinder offers an especially **high hot water output: 225l are available within 10 min.**

## A fully integrated solution

- The system is **astonishingly compact (H148 x W60 x D62.5cm, maximum weight 130kg)**.
- Within a single unit, it combines a condensing boiler, a hot water tank and a regulation panel.
- Various flue systems – including conventional as well as concentric packs – offer **high versatility regardless of building configuration**.

## The alliance of simplicity and comfort

- The user-friendly control panel is restricted to three buttons.
- The boiler is **compatible with the well-known Easymatic and Easyradio advanced control systems**.

CONDENSING



# GTU C 120 FF

CONDENSING | OIL BOILER

## Condensing technology: the future of oil heating

The GTU C 120 range has been complemented by a **room-sealed version with a concentric flue system**. It can therefore dispense with a conventional flue / chimney. Both a horizontal and a vertical concentric flue pack are available, thus achieving maximum versatility and ease of installation.

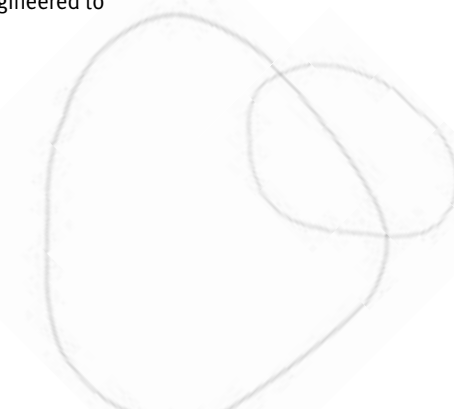


## The right answer in any situation

- The **output varies from 16 to 33kW** to guarantee consistent comfort in any situation.
- The boiler is available with or without hot water tank (130 or 250l).
- For maximum comfort around the clock and day after day, there are **three electronic control systems** to choose from: Diematic 3, Easymatic or Standard.

## The system of choice for renovation projects

- The boiler is **very compact (H85 x W57 x D146cm)**, easy to set up almost anywhere and comes with a factory-mounted burner.
- The condensing technology results in an annual efficiency of up to 104%, while energy consumption is reduced to around 35% (when compared with an 18 to 20 years old boiler without electronic control and regulation).
  - The condensing exchanger is made of ceramic: it is engineered to work perfectly with any kind of oil.
  - The NOx emissions are low:  $\text{NOx} < 90\text{mg/kWh}$ .



CONDENSING

**De Dietrich**  
*Sustainable Comfort®*

