

VIRTUENS MCA

Wall-hung gas condensing boiler



Above the expected

De Dietrich 

VIRTUENS MCA,

Smart and more

The perfect harmony for your needs



- **Economic:** the modulation from 10 to 100% guarantees greater output and energy efficiency, extending the service life of your boiler.



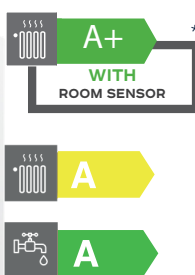
- **Premium:** high-quality components with a stainless steel heat exchanger, brass hydraulic module and mounting frame pre-fitted with valves including automatic fill function.



- **Universal:** wide range of heating outputs from 15 to 32 kW. Excellent output in domestic hot water mode (2 models: separate storage tank or instantaneous domestic hot water production) for greater comfort.



- **Smart:** intuitive Diematic Evolution control compatible with the intelligent SMART TC° and Smart CDI with GTW-IOT room sensor, which allows Wi-Fi connection and remote control of the system using a smartphone or tablet.



High-performance

**High-quality components for
reliability and durability**

Easy and quick installation

**Designed with your future in mind, it
can be combined with a heat pump**

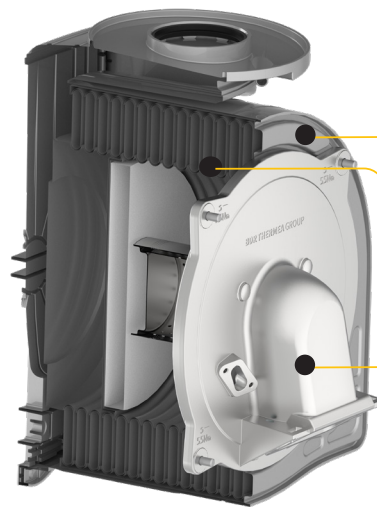
Reliable components quality control

INOX



Virtuens MCA is reliable thanks to its quality components:

- The presence of a **bus connection** between our controller and pump is a significant advantage. This bi-directional communication enables precise control, ensuring that our appliance operates under optimal conditions at all times. By dynamically adjusting performance based on real-time data, we enhance system responsiveness and reliability. Our intelligent interaction contributes to an overall improvement in system efficiency, making our solution more effective and refined.
- The **brass hydraulic module** is equipped with integrated sensors for monitoring the system pressure, the domestic hot water temperature and the flow rate.
- The high-efficiency single **mono coil stainless steel boiler heat exchanger** offers easy access to the combustion chamber, ensuring durability and an extended service life. **Single self-cleaning stainless-steel coil**: the water passages cut down deposits and simplify maintenance.



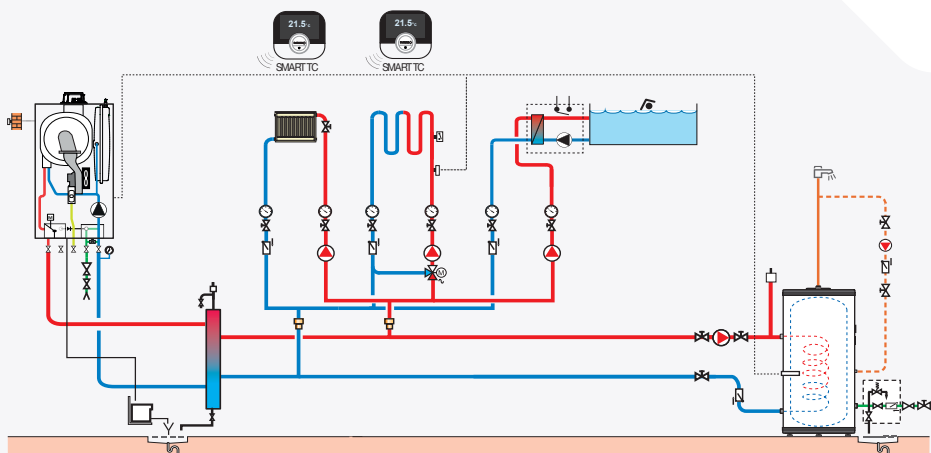
Improved seasonal efficiency

Single self-cleaning stainless-steel heat exchanger

Reliability and durability

- The **mounting frame** equipped with a valve with automatic filling function, and the connector ensure quick, reliable and professional installation.
- The **automatic filling module** ensures continuous monitoring of the pressure in the system, which is crucial for perfect operation and maximum system efficiency.

Virtuens MCA the flagship of our boiler range

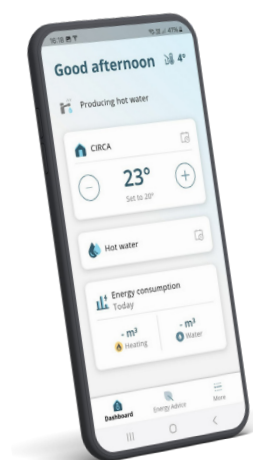


Out of the box, Virtuens MCA can manage the comfort of your swimming pool, a multitude of heating zones and supply domestic hot water. Individual comfort is guaranteed.

All installations are possible.

Compatible with the SMART TC° - SMART CDI intelligent room thermostats

remote heating control for greater comfort and savings



Unlock remote functionality with our thermostats and the free **De Dietrich SMART** app:

- Efficiently manage one or **multiple heating zones**.
- Tailor customised operating schedules for your heating system.
- Easily adjust temperature settings and hot water programs.
- Keep track of energy consumption **for optimized usage**.
- Receive real-time alerts directly on your smartphone, to warn you of any operational irregularities.



Connector for quick connection



* Improve your installation with the SMART TC° - SMART CDI + GTW-IOT intelligent room sensors connected to the cloud. No need to connect an outdoor sensor. The system's energy efficiency class will be A+.

The success of simplicity with our regulation

Diematic Evolution

Simple and intuitive

- Intuitive navigation and perfect legibility: high resolution colour screen, clear text.
- Instant overview: all the information on the home screen, selected with the rotary button.

Advanced functions

- Analysis of the situation, clear simple overview for everyday use.
- Access reserved for the installer.
- Integrated troubleshooting system.
- Multizone management, up to 3 mixing zones, of heating as standard for enhanced comfort.

Remote control and connectivity

- Using Wi-Fi wherever you are.
- Compatible with the Smart TC° connected room thermostat (in option) or with SMART CDI / SMART CDI RF + GTW-IOT. GTW-IOT is required to be connected.
- Compatible with our applications De Dietrich Start and De Dietrich PRO App.



Room thermostat **SMART CDI (option)**

Can be installed anywhere



All in harmony to simplify installation work



- Our **Gas Adaptive Control** system (GAC) **ensures enhanced performance** and an improved modulation range. Combustion control offers optimum efficiency even under variable gas and air quality conditions.



- With the optional cloud connected **SMART TC° thermostat** or **SMART CDI** that can be connected over GTW-IOT, there is no need to wire a physical outdoor temperature sensor. This **reduces the installation time and related costs**, whilst achieving a Seasonal space heating energy efficiency class for your system of A+.



- The Virtuens MCA **includes a mounting frame**, with water and gas fittings, for **seamless and professional installation**. It includes all the relevant components, including the automatic refill function, to ensure that your system remains in perfect condition.



- The **brass hydroblock** guarantees **prolonged durability**. De Dietrich has always differentiated itself by using high-quality components.



- Equipped with the **intuitive, ergonomic control: Diematic Evolution**.



- **Multi-zone management** is possible using the factory-installed expansion card, which can be used to manage up to 3 heating zones.



- The Virtuens MCA **adjusts its power** to meet your comfort needs, providing a stable temperature. With up to 1:10 modulation, it reduces boiler cycles **improving system efficiency and allowing significant energy savings**.

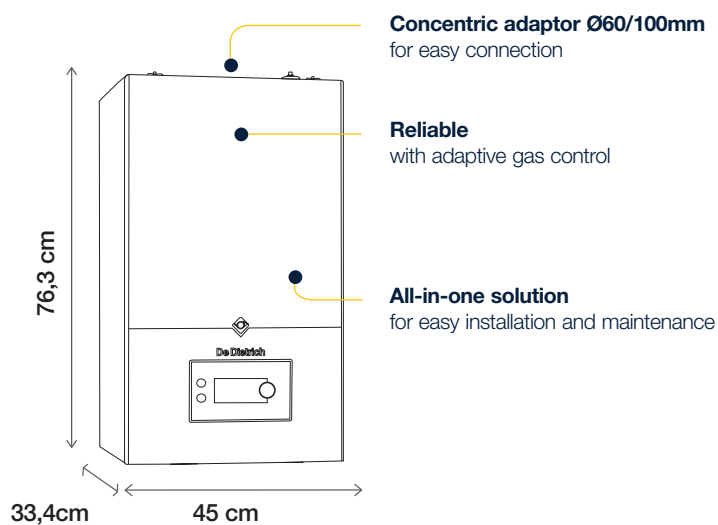
Your heating project

Let us guide you according to your needs



MODELS VIRTUENS MCA		15	24	32	24/29 MI
Energy efficiency class					
Energy efficiency class with SMART TC°/SMART CDI room thermostat					
Generator type		Heating	Heating	Heating	Heating and micro-accumulated DHW
Useful output (P _n) 80/60°C heating mode	kW	2,4 - 15	2,9 - 24	3,4 - 32	2,9 - 24
Useful output (P _n) 50/30°C heating mode	kW	2,6 - 16,3	3,2 - 26,1	3,7 - 34,9	3,2 - 26,1
Useful output (P _n) with domestic hot water tank	kW	20	29	34	29
Domestic hot water production $\Delta T = 35^\circ\text{C}$	l/min	-	-	-	11,9
Net weight	kg	28,5	28,5	29,2	28,5

Dimensions



Your installer



BDR THERMEA FRANCE

S.A.S. with corporate capital of 229 288 696 €

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