

THE VARIOUS CONTROL PANELS



8666Q074

Room sensor - Package AD 244

A room sensor is connected to activate the comfort period start-up optimisation function from the room in which it is installed. It is also used to enable the

self-adaptability of the heating curve for the circuit concerned (1 sensor per circuit).



8575Q037

Simplified remote control with room sensor - Package FM 52

The connection of a simplified remote control is used to override certain instructions from the DIEMATIC-m3 control panel from the room in which it is installed: programme override (permanent

comfort or low) and set room temperature override ($\pm 3.5^{\circ}\text{C}$). It is also used to enable the self-adaptability of the heating curve for the circuit concerned (1 remote control per circuit).



8227Q020

BUS connecting cable (length 12 m) - Package AD 134

It is used to make the connection between 2 boilers fitted with the DIEMATIC-m3 control panel in a

cascade installation, or to connect a DIEMATIC VM iSystem control unit.

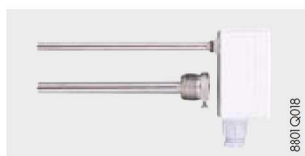


8199Q063

40 m long BUS connecting cable - Package AD 134

This is intended to replace either the 12 m (delivered with the C 230 ECO K3 boiler) or the

12 m BUS cable (AD 134) when these turn out to be too short.



8801Q008

Dip sensor with tube - Package AD 218

This dip sensor (NTC 147) is delivered with an IP54 junction box and a 1/2" sensor tube, length under head 120 mm. It is used instead of the attachable sensors provided with the PCB and valve options.

It can also be used on the header pipe when connecting 2 boilers in cascade.



8531Q013

Set of 2 sensors for storage tank - Package AD 216

Includes 1 DHW sensor and 1 heating sensor for managing a storage tank with a boiler fitted with a DIEMATIC-m3 control panel.



VM_Q0001

DIEMATIC VM iSystem control system - Package AD 281

With the addition of a BUS cable, the DIEMATIC-m3 control panel can be completed with one or more DIEMATIC VM iSystem modules (up to 20), making it possible to control 2 additional hydraulic circuits each.

Each of these circuits may be either:

- a heating circuit with motorised 2-way valve
- or a domestic hot water preparation circuit
- or an auxiliary circuit. See specific instruction booklet for the "DIEMATIC VM iSystem Control System".

BOILER OPTIONS



C270_Q0010

2nd return nozzle - Package GR 5

This package is used to differentiate the low and high temperature return circuits and thus to optimize condensation to the full.



C270_Q0013

Sensor tube for outlet sensor - Package GR 6

This sensor tube is provided to be mounted on heating flow (factory plugged) if an external

regulation is connected (available regulation in boiler room).



C230_Q0004

Gas valve unit sealing control - Package GV 26 (for C 230-170 and C 230-210)

It is adapted to the gas train and checks the tightness of the safety valves during the pre-sweep. If a leak is detected, the boiler goes into safety

shutdown and the fault will be signalled by the DIEMATIC-m3 control panel.



C230_Q0005

Min. gas pressure switch: - Package GV 22 for C 230-85 and C 230-130 - Package GV 25 for C 230-170 and C 230-210

Is set on gas unit and cuts of the boiler if the gas supply pressure is to low. The fault will be signalled by the DIEMATIC-m3 control panel.

BOILER OPTIONS



C230_Q0002

300 mbar pressure regulator

Typ	Gas flowrate max. m ³ /h	Nominal input max. kW	Ø connection	Package
GDJ 25	70	700	Rp 1	AD 245
GDJ 50	140	1400	Rp 2	AD 246

It is fitted to the gas inlet circuit. It is necessary if the gas main supply is at 300 mbar.



C210_Q0009

Air intake filter - Package GR 8

It is fitted to the combustive air inlet and obviates a fall in output if the pre-mix gas burner is clogged owing to it being in a dusty atmosphere.



C230_Q0007

Flue gas thermostat - Package GV 21

This thermostat cut the burner in case of a too high flue-gas temperature.



C230_Q0006A

Motorised flue damper - Package GV 24

Absolutely essential on each boiler with cascade installation connected to a flue piping under pressure (B_{23p}), it avoids the combustion products to return to the boiler when they are stopped. This

valve is fixed directly on the flue gas nozzle. The electrical connection is made via a connector to the connection terminal block on the DIEMATIC-m3 and K3 panels.



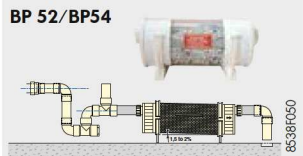
C210_Q0014

DU 13/DU 14

Condensates neutralisation system

- **With pump:** - Package DU 13 (boilers up to 120 kW)
- Package DU 14 (boilers from 120 to 350 kW)

The acidic condensates flow through a tank filled with granules before being discharged into the waste water network.



8538F050

BP 52/BP54

- **Without pump:** - Package BP 52 (up to 19 200 l of condensates)
- Package BP 54 (up to 38 400 l of condensates)

To define the type of neutraliser for the BP range, it should be considered that 1 litre of condensates is the equivalent of around 1 m³ of gas consumed.

Neutralisation granules: - for DU 13 and DU 14: ref. 9422-5601 - 10 kg
- for BP 52 and BP 54: ref. 9422-5600 - 5 kg

An annual check of the system, particularly the effectiveness of the granules, by measuring the

pH is necessary. If need be, the granules must be replaced.

Propane conversion kit: - for C 230-85 and C 230-130: package GV 23
- for C 230-170 and C 230-210: package GV 27

The package GV 23 contains a set with diaphragm and gaskets.

The package GV 27 contains a propane gas-unit with venturi.



MCA_Q0138

Disconnecting cylinder 120/180-2" - package GV 47



8962Q001A

8962Q0001A

BPB/BLC...

B...

DHW production

De Dietrich BPB/BLC/B... series independent DHW tanks with a capacity of 650 to 1000 litres can be used for domestic hot water production for individual and collective residences as well as for industrial and commercial premises. They are lined with food quality standard high quartz content

vitrified enamel and protected by a magnesium anode for BPB/BLC... and B 650, and "correx[®]" imposed current for B 800 and B 1000. The specifications and performances of these tanks are given in the price catalogue and the technical booklets.