

TWINEO

FLOOR-STANDING GAS CONDENSING BOILERS FROM 5.6 TO 25.5 KW

- EGC 25: for heating only.
- EGC 25/V 100 SL: for heating and domestic hot water by 100 litre enamelled calorifier with coil placed under the boiler.
- EGC 25/V 200 SSL: for heating and domestic hot water by 200 litre enamelled solar calorifier placed under the boiler.
- EGC 25/B 200 SSL: for heating and domestic hot water by 200 litre enamelled solar calorifier placed to the right or the left of the boiler.



EGC 25

EGC 25/V 100 SL

EGC 25/V 200 SSL

EGC 25/B 200 SSL



EGC 25:
For heating only



EGC 25/V... and /B...:
Heating and
domestic hot water



Condensing



All natural gases
Propane



EGC 25/V 200 SSL
Solar energy



EC identification No:
0085CM0178

The TWINEO boiler range includes one model for heating only and models comprising boilers combined with 100- or 200-litre calorifiers for DHW production. TWINEO boilers are fully equipped as standard with:

- A 3-speed heating circulating pump;
- A 12-litre expansion vessel, an automatic air vent, a draining valve, the heating safety valve, a heating/DHW reversal valve;
- An iniControl control panel with new ergonomics for controlling and regulating a direct circuit and a traditional or solar DHW circuit.

Various air/flue gas connection configurations are possible: we offer solutions for connection by horizontal or vertical forced flue, to a chimney, in bi-flow or to a collective flue system.

CONDITIONS OF USE

Boiler:

- Max. operating temperature: 90°C
- Max. operating pressure: 3bar
- Power supply: 230V/50Hz
- Protection index: IP 21

Calorifiers:

- Max. operating pressure: 10bar
- Max. operating temperature: 95°C
- Solar max. operating pressure: 6bar (200 SSL)

HOMOLOGATION

B_{23P}, B₃₃, C_{13x}, C_{33x}, C_{93x}, C₅₃, C_{43x}, C_{83x}

GAZ CATEGORY

Fitted and preset to operate on natural gases. Propane operating with conversion kit (option).

PRESENTATION

The EGC boilers in the TWINEO range are factory-tested and delivered fully assembled. They are pre-fitted to run on type H natural gas but can also be converted to run on propane (using the conversion kit available as an option).

The **EGC 25 boiler** is fitted as standard with a 3-speed heating pump, a 12-litre expansion vessel, an automatic air vent, a draining valve, a heating safety valve, a hydroblock, a heating/DHW reversal valve.

The **EGC 25/V 100 SL model** comprises the EGC 25 boiler combined with the 100-litre 100 SL (Standard Load) calorifier and a connecting kit under the boiler to form a uniform «column». The calorifier is equipped with a magnesium anode to protect the tank, boiler/calorifier connecting pipes, a DHW sensor, adjustable feet. The 100 SL calorifier is an enamelled coil calorifier. It is insulated with high density injected CFC-free polyurethane foam.

The **EGC 25/V 200 SSL and EGC 25/B 200 SSL models** comprises the EGC 25 boiler combined with the 200-litre 200 SSL (Solar Standard Load) calorifier. The latter is positioned under the boiler to form a uniform “column” or to the right or the left of the boiler. The solar calorifier is equipped with a DHW safety valve, a magnesium anode to protect the tank, boiler/calorifier connecting pipes, a DHW sensor, adjustable feet.

It is also equipped with a complete solar unit: pump, expansion vessel (delivered separately – Package ER 227), safety unit, air vent, glycol tank, solar control system.

The 200 SSL solar calorifier is an enamelled twin coil calorifier. It is insulated with high density injected CFC-free polyurethane foam.

HIGH LEVELS OF PERFORMANCES

















- Annual operating efficiency up to 109%,
- NOx classification: 5 according to EN 483,
- Low noise level,

- Low pollutant emissions:
 - NOx < 38mg/kWh (according to EN 297 A3),
 - CO < 94ppm (with Q max.).

STRONG POINTS

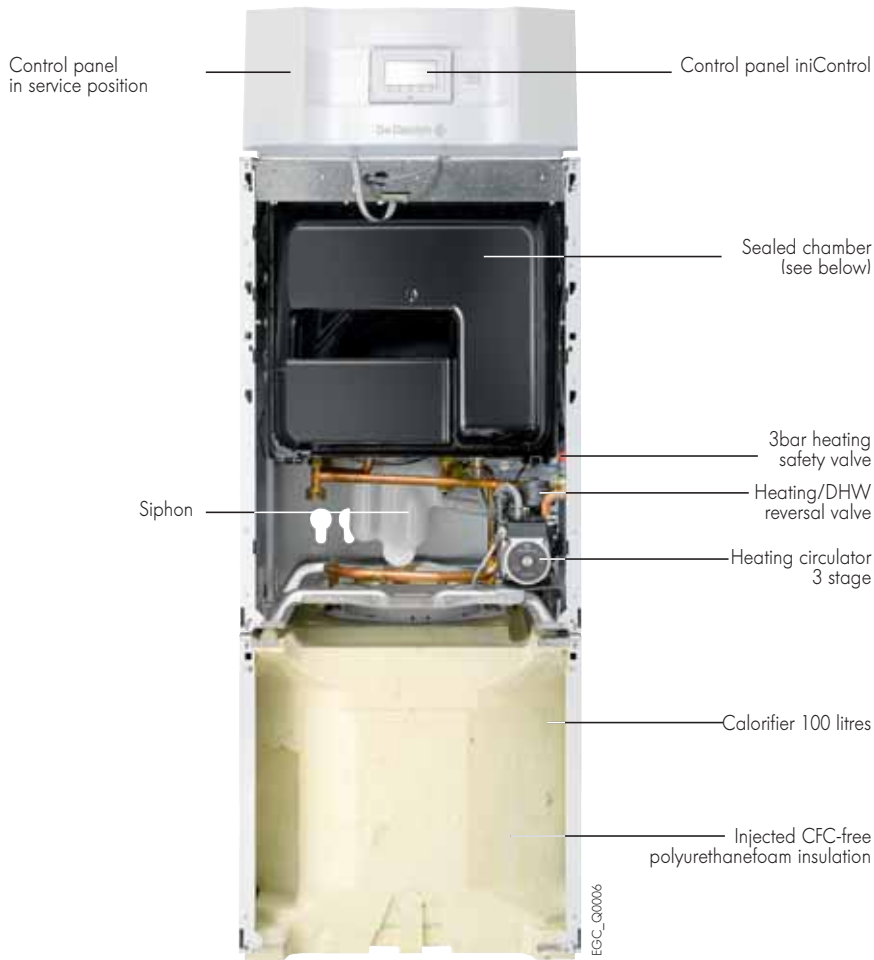
- Compact boilers of modular design with the same aesthetic as the DHW calorifiers with which they can be combined;
- New compact and ultra-responsive exchanger in cast aluminium/silicium alloy.
- Perfect adaptation of boiler output to actual needs thanks to the stainless steel gas burner with complete premixing, modulating from 22 to 100% output, fitted with a silencer on the air intake.
- Electronic ignition and ionisation flame check.
- Fan fitted with a nonreturn valve on the air intake to run with pressurised evacuation systems (3 CEp).
- **iniControl** control panel used for controlling and regulating a direct circuit, a DHW circuit and the 220 SSL solar tank. The position of the control module is adjustable for ease of use regardless of height.

MODELS AVAILABLE

Boiler	Boiler	Tank	Tank connecting-set	Solar expansion vessel	Tank-boiler connecting-set
 <p>EGC 25 For heating only</p>	<p>JA 5</p> 	-	-	-	-
 <p>EGC 25/V 100 SL For heating and domestic hot water by 100 litre calorifier to be placed under the boiler</p>	<p>JA 5</p> 	<p>JA 226</p> 	<p>JA 8</p> 	-	-
 <p>EGC 25/V 200 SSL For heating and domestic hot water by 200 litre solar calorifier to be placed under the boiler</p>	<p>JA 5</p> 	<p>ER 221</p> 	<p>JA 8</p> 	<p>ER 227</p> 	-
 <p>EGC 25/B 200 SSL For heating and domestic hot water by 200 litre solar calorifier to be placed to the right or the left of the boiler</p>	<p>JA 5</p> 	<p>ER 221</p> 	-	<p>ER 227</p> 	<p>ER 228</p> 

TECHNICAL SPECIFICATIONS

DESCRIPTION EGC 25/V 100 SL



Exchanger/burner



Heating body (section view)



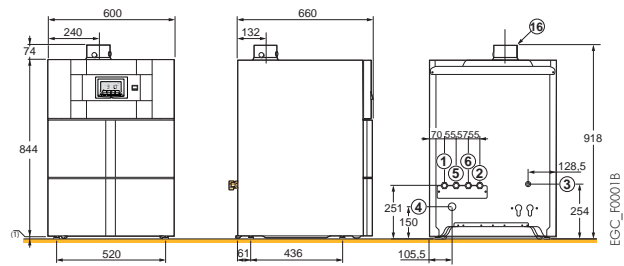
Sealed chamber



TECHNICAL SPECIFICATIONS

MAIN DIMENSIONS (IN MM AND INCHES)

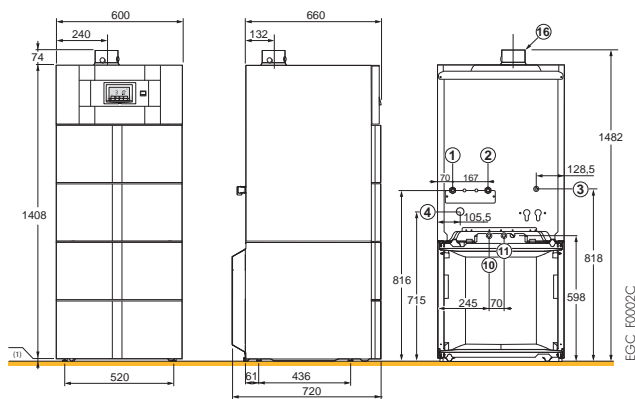
EGC 25



- ① ② Heating flow/return direct circuit G 3/4
- ③ Gas inlet Ø G 1/2
- ④ Condensate drain, siphon provided, PVC pipe Ø 24 x 19mm
- ⑤ ⑥ Primary return/inlet from independent calorifier (with package JA 10 – option) G 3/4
- ⑩ Domestic cold water inlet G 3/4
- ⑪ Domestic hot water outlet G 3/4
- ⑭ Primary inlet from solar coil Cu 18mm
- ⑮ Primary outlet from solar coil Cu 18mm
- ⑯ Evacuation of combustion products and air inlet pipe Ø 60/100mm

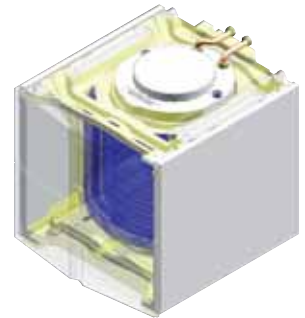
(I) Feet adjustable from 0 to 20mm
G: cylindrical external thread (water tightness by flat gasket)

EGC 25/V 100 SL



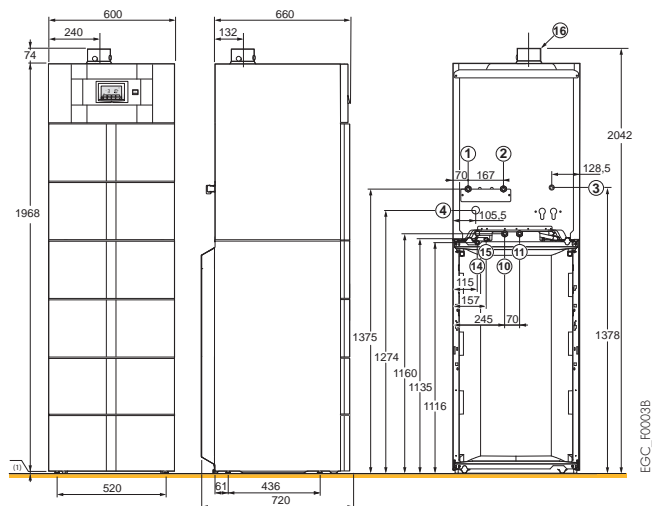
Calorifier 100 SL

Calorifier with coil exchanger equipped with:
- a magnesium anode to protect the enamelled tank
- a domestic hot water sensor



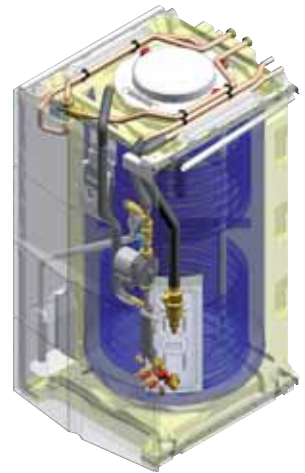
EGC_G0007

EGC 25/V 200 SSL



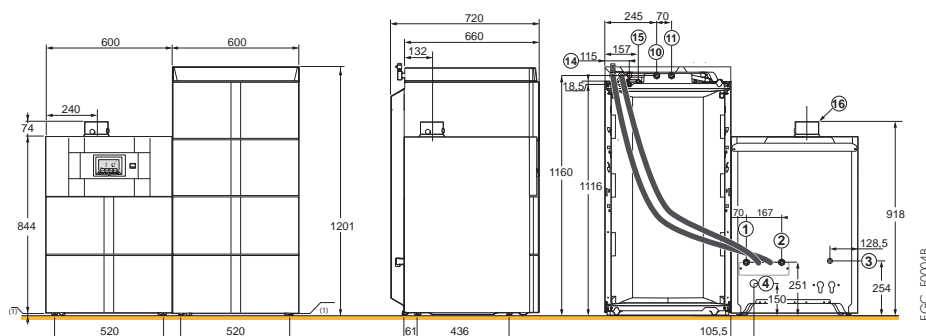
Calorifier 200 SSL

Twin coil solar DHW calorifier equipped with:
- a magnesium anode to protect the enamelled tank
- a domestic hot water sensor
- a solar unit (pump, expansion vessel, safety unit, air vent, glycol tank, solar control system)



EGC_G0008A

EGC 25/B 200 SSL



TECHNICAL SPECIFICATIONS

TECHNICAL SPECIFICATIONS

Type generator:

- EGC 25: heating only
- EGC 25/V...: heating + DHW with calorifier placed under the boiler
- EGC 25/B...: heating + DHW with calorifier placed to the right or the left of the boiler

Boiler type: condensing

- Burner: modulating with complete premixing
- Energy used: natural gas or propane
- Combustion evacuation: chimney or forced flue
- Min. flow temperature: 20°C
- Min. return temperature: 20°C
- Ref. CE certificate: CE-0085CM0178

Boiler specifications

Boiler type	EGC...	25, 25/V..., 25/B...
Useful output at 50/30°C Pn in heating mode (min.-max.)	kW	5.6-25.5
Efficiency	100 % Pn, at average temp. 70°C	%
at... % output	100 % Pn, at return temp. 30°C	%
and... °C water temp.	30 % Pn, at return temp. 30°C	%
Nominal water flow at Pn, Δt = 20K	m ³ /h	1.04
Stand-by losses at Δt = 30K	W	78
Auxiliary electrical power at Pmin./Pn (without circul. pump)	W	18/46
Power heating pump at Pmin./Pn	W	95/95
Useful output at 80/60°C (min.-max.)	kW	5.0-24.1
Manometric height available heating circuit	mbar	295
Gas flow at Pn	gas H	m ³ /h
(15°C-1 013mbar)	propane	m ³ /h
Flue gas temperature (min.-max.)	°C	30-80
Min.-max. flue gas mass flow rate	kg/h	8.9-42.1
CO ₂ content on natural gas H (min.-max.)	%	8.4-8.8
Pressure available at the boiler outlet	Pa	130
Water capacity	l	1.9
Net weight EGC 25	kg	66

Specifications domestic hot water

Boiler type	EGC...	25/V 100 SL	25/V 200 SSL	25/B 200 SSL
DHW calorifier capacity	l	95	200	200
Exchanged power	kW	24	24	24
Exchanger capacity	l	6.4	6.4	6.4
Exchange surface	m ²	0.96	0.96	0.96
Flow over 10 min at Δt = 30K	l/ 10 min	180	180	180
Flow per hour at Δt = 35K	l/h	590	590	590
Spec. flow at Δt = 30K (compliance with EN 13203-1)	l/min	18	18	18
Auxiliary electrical power in DHW mode	W	95	95	95
DHW losses through the outer casing at Δt = 45K	W	62	117	117
Cooling constant	Wh/24h.l.K	0.34	0.28	0.28
Net weight	kg	116	208	208

Domestic performance at room temp. 20°C, cold water temp. 10°C, hot water temp. at Pn 45°C, primary hot water temp. 80°C, stockage temp. 60°C

Solar component data

Boiler type	EGC...	/V 200 SSL and /B 200 SSL
Solar volume/back-up volume	l	110/90
Solar exchanger capacity	l	6.7
Solar exchange surface	m ²	1.0

CONTROL PANEL iniControl

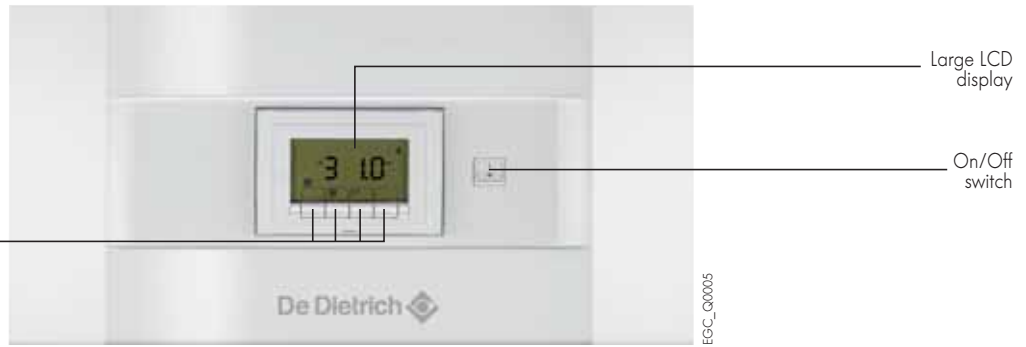
CONTROL PANEL iniControl

The iniControl control panel is used to manage a direct circuit and DHW production (without programming). Burner modulation according to the outside temperature is activated by connecting the outside temperature sensor (package FM 46 – to be ordered separately).

The display of the boiler temperature, the pressure in the heating network, and the operating status of the generator using symbols

and alphanumeric codes is handled by the large display, which also incorporates a flashing alarm function.

To monitor the installation, optional readout of error history and hour run meters. The iniControl control panel also enables boiler management through a parameterisable 0-10V signal. In the case of a cascade installation, the iniControl panel will be fitted to the secondary boilers linked in series to the master boiler fitted with the iSystem control panel using the BUS cable (optional).



Key
- to access the various menus or parameters,
- setting and manual reset, which vary as selections are made

iniControl control panel options



Outside sensor - Package FM 46

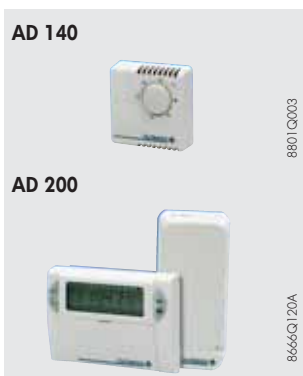
Allows the management of the circuit heating by measuring of the outside temperature.



Domestic hot water sensor - Package AD 212

This is used for regulating the DHW temperature as a priority and programming of domestic hot water

production with an independent calorifier.



Programmable room thermostat (wire) - Package AD 137

Programmable room thermostat (wireless) - Package AD 200

Non-programmable room thermostat - Package AD 140

These thermostats handle the regulation and weekly programming of the heating by activating the burner and in accordance with the following 3 modes of operation:

AUTOMATIC: according (4 programs to choose from) automatically commutes the installation into «comfort» or «low» mode. The comfort and low temperatures can be adjusted between 5 and 30°C.

PERMANENT: maintains the set temperature all the time (between 5 and 30°C).

VACATION: intended for absences of long duration, maintains the desired temperature (between 5 and 30°C) for a predetermined duration (1 to 99 days).



Programmable room thermostat modulating "OpenTherm" (wire) - Package AD 265

Programmable room thermostat modulating "OpenTherm" (wireless) - Package AD 266

These thermostats handle the regulation and programming of the heating and of DHW. The regulator adapts the power boiler to the needs, 3 modes of operating are possible:

AUTOMATIC: according the weekly programming used: for each programmed period, we can indicate the set temperature.

PERMANENT: maintains the set temperature chosen for the day, night or antifreeze.

VACATION: intended for absences of long duration. Allows to bring in the dates of beginning and end of the vacation as well as the desired

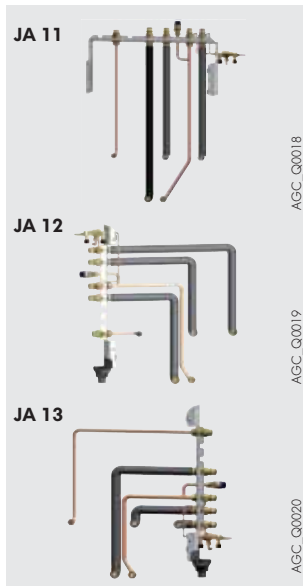
temperature. For operation according to the outside temperature, a outside sensor (package FM 46) can be added.

The wireless version is delivered with a transmitter box to install on the wall close to the boiler.

BOILER OPTIONS

HYDRAULIC CONNECTING KITS

⇒ For EGC 25, EGC 25/V 100 SL, and V 200 SSL



Central connection kit - Package JA 11
Left connection kit - Package JA 12
Right connection kit - Package JA 13

Connection kits with prefitted water and gas stop cocks, integrated disconnecter and DHW safety unit and boiler connecting pipes in the middle

(Package JA 11), to the right (Package JA 13) or to the left (Package JA 12).

⇒ For EGC 25, EGC 25/B 200 SSL



Solo connection kit - Package JA 34

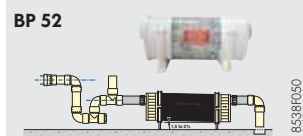
This board is delivered with the water and gas valves prefitted. It is attached to the back of

the boiler and is used to carry the gas inlet, the heating return and the heating flow to the top.

OTHER OPTIONS



Condensates neutralisation system with pump - Package DU 13
Condensates neutralisation system without pump - Package BP 52
Neutralisation granules (10kg) - Ref. 94225601



Condensate neutralisation tank - Package HC 33
Wall bracket for neutralisation tank - Package HC 34
Granule refill for neutralisation tank (2kg) - Package HC 35

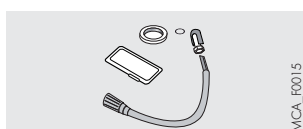
The materials used for the condensates flow pipes must be appropriate; otherwise the condensates must be neutralised.

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



Flue gas thermostat - Package JA 38

This thermostat cut the boiler when the flue gas temperature exceeds 110°C.



Cleaning tool boiler body - Package HR 45

Connects to a classic vacuum cleaner and allows an easy boiler body cleaning.

Propane conversion kit - Package JA 40

BOILER OPTIONS

STOVE FITTING ACCESSORIES SPECIFIC TO BOILERS EGC



Adapter Ø 80/125mm - Package HR 38
Is fitted instead and in the place of the Ø 60/100mm fitting delivered mounted on the

boiler. It enables the direct connection of a vertical forced flue Ø 80/125 mm.

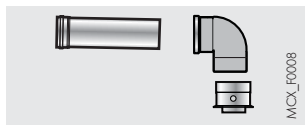


Adapter bi-flow Ø 60/100mm to 2 x Ø 80mm - Package DY 868



Reduction elbow - Package JA 43
When, for reasons of space, the horizontal forced flue with its elbow cannot be installed, this elbow is mounted instead and in place of the fitting

(Ø 60/100mm) on the boiler and thus allows a height saving of 70mm.



Connecting kit Ø 80/125mm on collective flue system duct - Package DY 887

If connected to a collective flue system duct, the adapter Ø 60/100mm delivered with the boiler should be removed and replaced by

package DY 887, which incorporates the adapter Ø 80/125mm.

FOR DHW PRODUCTION



Domestic hot water sensor - Package AD 212
This is used for regulating the DHW temperature as a priority and programming of domestic hot water production with an independent calorifier.



Kit DHW expansion vessel 8 litre for EGC 25/V 100 SL - Package ER 233




Can be integrated in the boiler, prevents water loss during tank reheating in DHW mode.



Connecting kit for the connection of an independent calorifier - Package JA 10

For EGC 25 (heating only), this kit mounted under the casing of the boiler allows the connection of an independent calorifier.

FLAT COLLECTORS RECOMMENDED WITH BOILER EGC 25/V 200 SSL AND EGC 25/B 200 SSL

Number of people living in the home	Package	from  to 			from 		
		1 x NEO 2,1 ST (1.9m ²) ER 152 (1)	1 x NEO 2,1 IT (1.9m ²) ER 153	1 x NEO 2,1 IT SOUTH (1.9m ²) ER 230	2 x NEO 2,1 ST (3.8m ²) ER 154 (1)	2 x NEO 2,1 IT (3.8m ²) ER 155	2 x NEO 2,1 IT SOUTH (3.8m ²) ER 231
Flat solar collectors or solar collector field («roof» packs) recommended (1):	Package						
Heat carrying fluid type L (premixure 60/40, - 21°C)	Package	EG 101	EG 101	EG 101	EG 101	EG 101	EG 101

(1) Type of anchorage fittings to select depending of the roof type (refer to current catalogue or "INISOL" technical manual).

INFORMATION REQUIRED FOR INSTALLATION

STATUTORY INSTRUCTIONS ON INSTALLATION AND MAINTENANCE

The installation and maintenance of the appliance in both residential buildings and establishments open to the public must

be carried out by a qualified professional in compliance with the statutory texts of the codes of practice in force.

LOCATION

The EGC condensing boilers must be installed in premises protected from frost, which can also be ventilated.

Compliance with a minimum distance between the flue gas evacuation system or the boiler and combustible materials (furniture, for example) is not necessary.

BOILER OPTIONS



In order to avoid damage to boilers, it is necessary to prevent the contamination of combustion air by chloride and/or fluoride compounds, which are particularly corrosive.

These compounds are present, for example, in aerosol spray cans, paints, solvents, cleaning products, washing powders/liquids, detergents, glues, snow clearing salts, etc.

It is therefore necessary:

- To avoid sucking in air discharged from premises using such products: hairdressers, dry cleaners, industrial premises (solvents), premises containing refrigeration systems (risk of leaking refrigeration fluid), etc.
- To avoid the storage of such products close to boilers.

Please note that, if the boiler and/or its peripherals become corroded by chloride and/or fluoride compounds, our contractual warranty cannot be invoked. Please note that, if the boiler and/or its peripherals become corroded by chloride and/or fluoride compounds, our contractual warranty cannot be invoked.

Ventilation

(chimney connection only B_{23p})

The cross-section of the boiler room ventilation (through) with combustive air is taken in must comply with the prevailing standard.

Note:

- For boilers connected to a concentric forced flue (type C_{13x} or C_{33x} connections) ventilation of the installation premises is not necessary, unless the gas supply includes one or more mechanical connections (cf. prevailing standard).
- See also recommendations in the «Flue Systems» booklet.

GAS CONNECTION

Compliance with prevailing instructions and regulations is mandatory. In all cases, a sectional valve is fitted as close as possible to the boiler. This valve is delivered in the hydraulic connection kits available as optional equipment. A gas filter must be fitted to the boiler inlet.

The diameters of the pipes must be defined according to the prevailing regulations.

- 20mbar on natural gas H,
- 37mbar on propane.

Certificate of conformity

The installer is required to draw up a certificate of conformity approved by the ministers responsible for construction and gas safety.

ELECTRICAL CONNECTION

This must comply with the prevailing national or even local instructions and regulations.

The boiler must be powered by an electrical circuit comprising an omnipolar switch with an opening gap > 3mm. Protect the connection to the mains with a 6A fuse.

Note:

- The sensor cables must be separated from the 230V circuits by at least 10cm
- In order to protect the pump antifreeze and cleaning functions, we recommend not switching off the boiler at the mains switch.

HYDRAULIC CONNECTION

Important: The principle of a condensing boiler is to recycle the energy contained in the water vapour in the combustion gases (latent vaporisation heat). Consequently, to achieve an annual operating efficiency in the order of 109%, it is necessary to

size the heating surfaces in such a way as to obtain low return temperatures, below the dew point (e.g. underfloor heating, low temperature radiators, etc.) during the entire heating period.

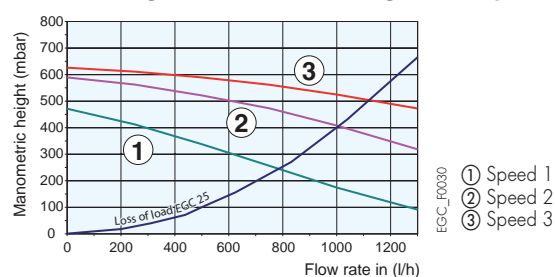
Connection to the heating circuit

EGC boilers must only be used in closed circuit heating installations. The central heating systems must be cleaned to eliminate the debris (copper, strands, brazing flux) linked to the installation of the system and deposits that can cause malfunctions (noise in the system, chemical reaction between metals). More particularly, if fitting a boiler to an existing installation, it is strongly recommended that you clear sludge out of the system before installing the new boiler.

Furthermore, it is important to protect central heating installations against the risk of corrosion, scaling and microbiological growth by using a corrosion inhibitor adapted to all types of systems (steel, cast iron radiators, heated floor, PER).

The water treatment products used must comply with regulations.

Manometric height available for heating circuit - Specifications of the pump



INFORMATION REQUIRED FOR INSTALLATION

Condensates discharge

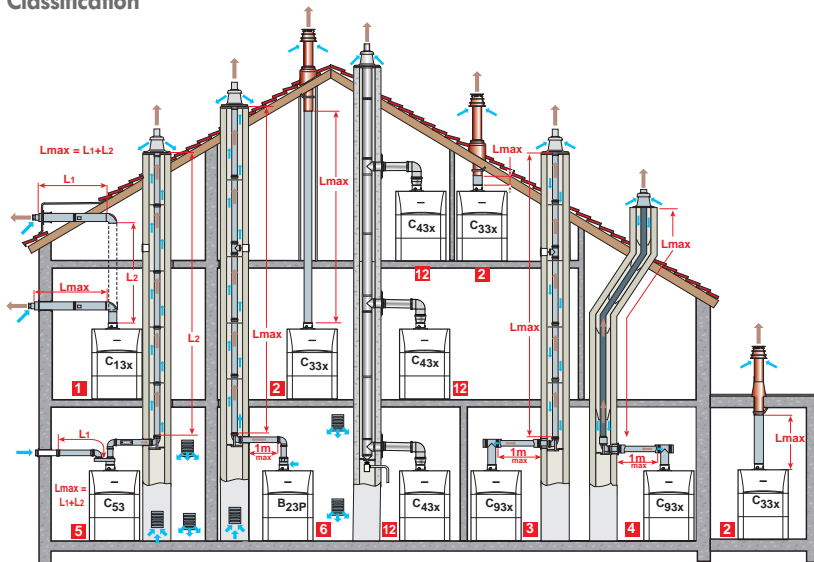
The siphon provided must be connected to the waste water discharge system. The connection must be removable and the flow of condensates visible. The connections and pipes must

be in corrosion-resistant material. An optional condensates neutralisation system is available (package HC 33 see page 7).

AIR/FLUE GAS CONNECTION

For the use of the air/flue gas connection pipes and the rules on installation, see details of the various configurations in the current product catalogue.

Classification



- 1 Configuration C13x:** Air/flue gas connection by means of concentric pipes to a horizontal terminal (so-called forced flue)
- 2 Configuration C33x:** Air/flue gas connection by means of concentric pipes to a vertical terminal (roof outlet)
- or
- 3 Configuration C93x:** Air/flue gas connection using concentric pipes in the boiler room and single pipes in the chimney (combustive air with counter current in the chimney)
- or
- 4** Air/flue gas connection using concentric pipes in the boiler room and single "flex" pipes in the chimney (combustive air with counter current in the chimney)
- 5 Configuration C53:** Separate air and flue gas connection using a bi-flow adapter and single pipes (combustive air taken from outside)
- 6 Configuration B23P:** Connection to a chimney (combustive air taken from the boiler room)
- 12 Configuration C43x:** Connection to a collective flue system conduit

TABLE OF MAXIMUM AIR/FLUE GAS PIPE LENGTHS ADMISSIBLE ACCORDING TO BOILER TYPE

Type of air/flue gas connection		L_{max} of the connecting pipes in m TWINEO EGC 25/...	
Concentric pipes connected to a horizontal terminal (PPS)	C13x	Ø 60/100mm	3.5
		Ø 80/125mm	20
Concentric pipes connected to a vertical terminal (PPS)	C33x	Ø 60/100mm	4.9
		Ø 80/125mm	20
Pipes - concentric in the boiler room, - single in the chimney (combustive air with counter current) (PPS)	C93x C33x	Ø 60/100mm	8.1
		Ø 60mm	
		Ø 60/100mm	20
		Ø 80mm	
Pipes - concentric in the boiler room, - "flex" in the chimney (combustive air with counter current) (PPS)	C93x C33x	Ø 80/125mm	20
		Ø 80mm	
Bi-flow adapter and separate single air/flue gas pipes (combustive air taken from outside) (Alu)	C53	Ø 60/100mm to 2 x Ø 80mm	40
In the chimney rigid or flex, (combustive air taken from the premises) (PPS)	B23P	Ø 80mm (rigid)	40
		Ø 80mm (flex)	40 (I)
Collective flue system conduit for sealed boiler	C43x	To size such a system, contact the supplier of the collective flue system duct	

(1) ⚠ : Max. height in the flue pipe (C93x and B23P configurations) from the support elbow to the outlet mustn't exceed 25m for flex PPS. In case of higher lengths, holding collars must be added by slices of 25m.

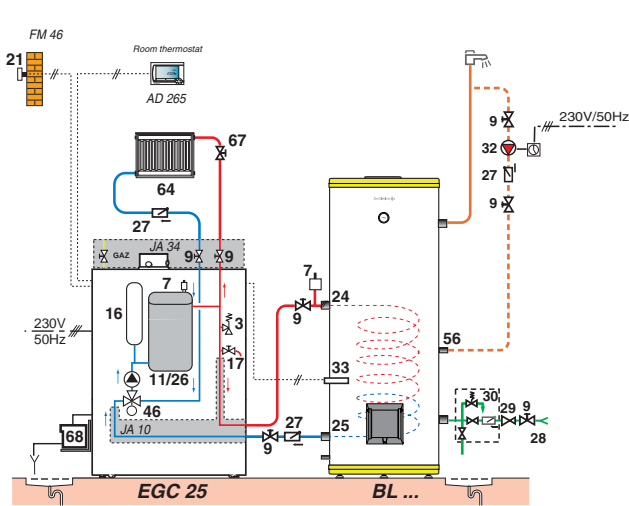
EXAMPLES OF INSTALLATIONS

The examples presented below cannot cover the full range of installation scenarios which may be encountered. Their purpose is to draw the attention to the basic rules to be followed. A certain number of control and safety devices (some of which are already integrated as standard in EGC boilers) are represented but it is ultimately up to installers, experts, consultant engineers and design departments to take the final decision on the safety and control devices to be used in the boiler room according

to its specificities. In all cases, it is necessary to abide by the codes of practice and prevailing regulations.

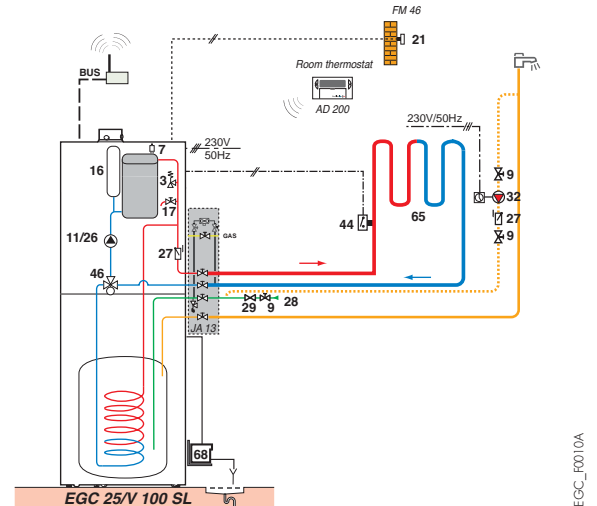
Attention : For the connection of domestic hot water, a sleeve made of steel, cast iron or any other insulating material must be interposed between the hot water outlet and these pipes to prevent any corrosion to the connections, if the distribution pipes are made of copper.

EGC 25 + 1 direct circuit + 1 independent DHW calorifier, one outside sensor, remote control with room sensor



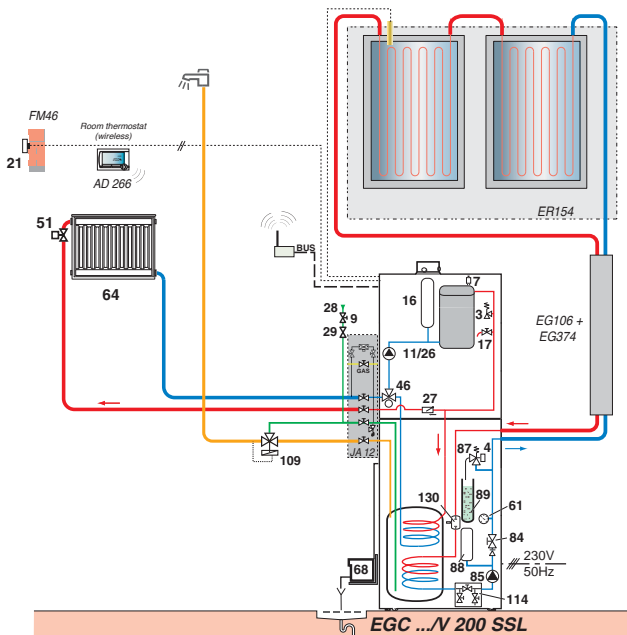
EGC_F0009

EGC 25/V 100 SL + 1 circuit with mixing valve, outside sensor, «radio» remote control



EGC_F0010A

EGC 25/V 200 SSL + direct circuit, outside sensor, «radio» remote control with sensor, 2 flat collectors NEO 2,1



EGC_F0011A

Legend

- | | |
|---|--|
| 3 Safety valve 3bar | 64 Radiator circuit (gentle heat radiators, for example) |
| 4 Pressure gauge | 65 Low temperature circuit (underfloor heating, for example) |
| 9 Isolation valve | 67 Manual valve |
| 11 Electronic heating pump | 68 Condensates neutralisation system |
| 16 Expansion tank | 84 Stop valve with release non return valve |
| 17 Draining valve | 85 Solar circuit pump (to connect to the solar control) |
| 18 Device for filling the heating circuit | 87 Safety valve sealed and calibrated to 6bar |
| 21 Outside sensor | 88 Solar expansion tank |
| 24 Primary inlet on the DHW tank exchanger | 89 Receptient for heat transfer fluid |
| 25 Primary outlet on the DHW tank exchanger | 109 Thermostatic mixing valve |
| 26 Domestic water load pump | 114 Solar circuit drainage valve (note: propyleneglycol) |
| 27 Non-return valve | 130 Degasser with manual purge (Airstop) |
| 28 Domestic cold water inlet | |
| 29 Pressure reducer | |
| 30 Sealed safety device calibrated to 7bar | |
| 32 (optional) DHW loop pump | |
| 33 DHW temperature sensor | |
| 44 65°C limiter thermostat with manual reset for underfloor heating | |
| 46 3 way-directional valve with motor reversing | |
| 50 Disconnect | |
| 51 Thermostatic valve | |
| 56 DHW circulation loop return | |
| 61 Thermometer | |

DESCRIPTION

TWINEO EGC...

FLOOR-STANDING GAS CONDENSING BOILER FOR CONNECTION TO A CHIMNEY OR A FORCED FLUE

Brand : De Dietrich

Classification: **** according to the european efficiency directive, NOx classification: 5

Model:

- EGC 25: for heating only
- EGC 25/V 100 SL: for heating and domestic hot water preparation by associated DHW calorifier
- EGC 25/V 200 SSL: for heating and domestic hot water preparation by associated solar-DHW calorifier placed under the boiler
- EGC 25/B 200 SSL: for heating and domestic hot water preparation by associated solar-DHW calorifier placed to the right or the left of the boiler

Homologation : B23P-B33-C13x-C33x-C93x-C53-C43x-C83x

Protection index: IP 21

Power supply: 230V/50Hz

Useful output in heating mode at 50/30°C (max.)

EGC 25: 25.5kW

Specific flow in DHW mode:

- EGC 25/V 100 SL: 18l/min
- EGC 25/V 200 SSL: 18l/min
- EGC 25/B 200 SSL: 18l/min

Max. operating temperature: 90°C

Max. operating pressure: 3bar

Safety thermostat: 110°C

Dimensions: _____ x _____ x _____ mm

Weight empty: _____ kg

DESCRIPTION

Complies with the requirements of European Directives

New compact and ultra-responsive exchanger in cast

Aluminium/Silicium alloy

Stainless steel gas burner with complete premixing, modulating from 22 to 100% output, fitted with a silencer on the air intake

The iniControl control panel is a control panel with new control ergonomics and incorporates a programmable electronic control system as standard. Suitable for managing a direct circuit and a DHW circuit.

New ergonomics and optimisation of management of combined heating systems.

Boiler delivered and prefitted with, a 3 stage pump, 3-bar safety valve, 12-litre expansion tank, heating/DHW reversal valve, automatic air vent, a drain tap.

EGC 25/V 100 SL: with enamelled, insulated 100 litre DHW calorifier placed under the boiler. Boiler/tank connecting pipes, magnesium anode and DHW sensor included.

EGC 25/V 200 SSL and EGC 25/B 200 SSL: with enamelled, insulated 200 litre solar DHW calorifier placed under the boiler (EGC 25/V 200 SSL) or to the right or the left of the boiler (EGC 25/B 200 SSL). Boiler/tank connecting pipes, magnesium anode, DHW sensor included. Pre-fitted with all the components required to connect and control a solar installation: solar station with pump, expansion vessel, safety unit, solar regulation, degasser, glycol recovery tank.

Air/flue gas connection Ø 60/100 mm with measuring point

Control panel options

- Domestic hot water sensor
- Outside sensor
- Programmable room thermostat (wire)
- Programmable room thermostat (wireless)
- Non programmable room thermostat (wire)
- Modulating programmable room thermostat "OpenTherm" (wire)
- Modulating programmable room thermostat "OpenTherm" (wireless)

Boiler options

- Central connection kit
- Left connection kit
- Right connection kit
- Solo connection kit
- Condensates neutralisation system with pump
- Condensates neutralisation system without pump
- Neutralisation granules (10kg)
- Condensate neutralisation tank
- Wall bracket for neutralisation tank
- Granule refill for neutralisation tank (2kg)
- Flue gas thermostat
- Cleaning tool boiler body
- Propane conversion kit
- Adapter Ø 80/125mm
- Adapter bi-flow Ø 60/100mm to 2 x Ø 80mm
- Reducing elbow
- Connecting kit Ø 80/125mm on collective flue system conduit
- Kit DHW expansion vessel 8 litre for EGC 25/V 100 SL
- Connecting kit for the connection of a independent calorifier

DE DIETRICH THERMIQUE

S.A.S. with corporate capital of 22 487 610 €

57, rue de la Gare - 67580 Mertzwiller

Tél. +33 3 88 80 27 00 - Fax +33 3 88 80 27 99

www.dedietrich-heating.com

De Dietrich 

