

Operating Instructions

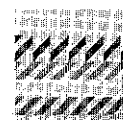
VIESSMANN

Eurola

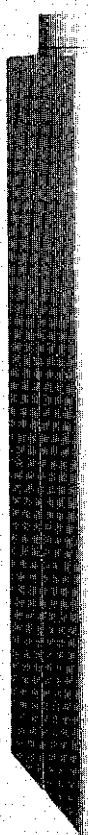
Wall-mounted, gas-fired condensing boiler

with Eurolamatik-RC for operation at constant temperature

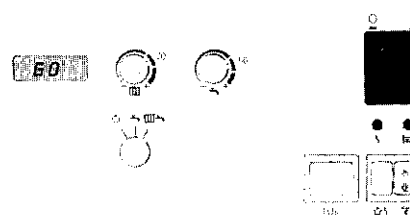
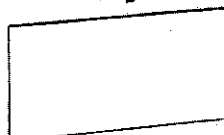
Natural gas and LPG version



Eurola



VIESSMANN Eurola



Eurolamatik-RC

Eurola

Safety instructions



This hazard symbol precedes all important notes on safety.

Please follow these safety instructions closely to prevent possible risk of injury to persons and damage to property.

Operation

Please read these operating instructions carefully. Your heating engineer will be pleased to explain to you how the system works and show you how to operate it.

Please note:

Any damage due to failure to observe the operating instructions is not covered by our warranty.

In emergencies

- Immediately switch off the mains voltage, e.g. at the separate fuse (unless there is a smell of gas) and
- close the gas shut-off valve.
- Use suitable extinguishers in the event of fire.

Also, if you smell gas

- Don't smoke! Don't use naked flames or cause sparks (e.g. by switching lights or electrical appliances on and off)
- Open windows and doors (also if you smell fumes)
- Inform your heating engineers/ service contractors from outside the building
- Observe the safety regulations of your gas supply company (see gas meter) and those of your heating engineers (see start-up or instruction report).

Work on the equipment

Installation, initial start-up, maintenance and repairs **must** be carried out by a **competent person** (heating engineer/service contractor) (GB: registered with C.O.R.G.I.).

- Before work is undertaken on the equipment/heating system, switch off the mains voltage and take steps to prevent it from being switched on again.
- Close the gas shut-off valve and make secure to prevent unauthorized use.

Boiler room conditions

- Do not use a room in which the air is polluted by halogenated hydrocarbons (e.g. as contained in aerosols, paints, solvents and cleaning agents)
- Do not use a room subject to high levels of dust
- Do not use a room subject to permanently high humidity
- The room should be frost-protected
- Max. ambient temperature 35 °C
- Provide good ventilation and do not close or obstruct vents (if installed)

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Introductory information

Your Eurola

Please ask your heating contractor to put an X in the appropriate box (☒).

☐ **Eurola without domestic hot water cylinder**

The control unit switches on the boiler and supplies the central heating system with heat.

☐ **Eurola with domestic hot water cylinder**

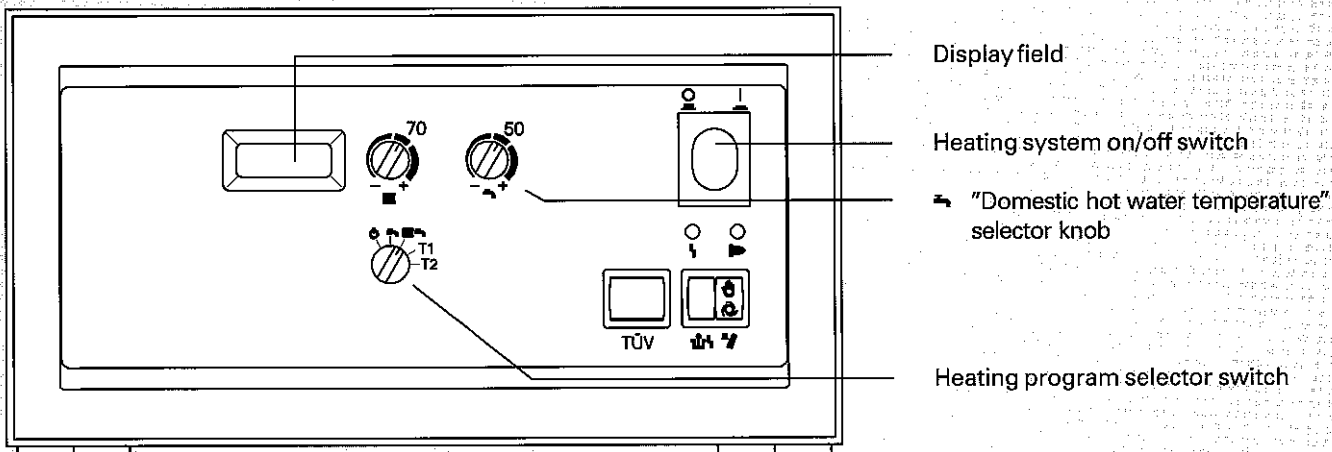
Domestic hot water heating has priority over central heating. The control unit switches automatically to central heating when the preset domestic hot water temperature is reached.

The main controls

You can carry out the main settings on your heating system centrally on the control unit.

The control unit is behind the hinged cover in the front of the Eurola. The hinged cover of the control is opened by applying gentle fingertip pressure at the top and must be closed again after use (splash protection).

Control unit on the Eurola



Room temperature controller

In addition to the control unit on the Eurola, a separate room temperature controller (e.g. F clock thermostat) is installed in one of the living rooms if the heating system is to be controlled in accordance with the desired room temperature. Please consult the corresponding operating instructions when making the settings.

Ready for operation

Your heating system is preset...

The control unit is preset in the factory to a standard operating mode. Your heating system is therefore ready for operation. You can change the factory settings to suit your individual preferences.

Heating program

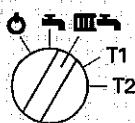
The heating program is set to winter operation, i.e. central heating takes place and domestic hot water is heated (if a DHW cylinder is installed).

Selecting the heating program (winter, summer)

Select one of the heating programs according to your personal requirements.

⚠ Important:

The settings "T1" and "T2" as well as unmarked settings are for maintenance and service purposes only and are provided exclusively for use by the heating contractor.



Winteroperation

- Central heating is started unless domestic hot water is being heated
- Domestic hot water supply (if a DHW cylinder is installed)
- Frost protection of the boiler.

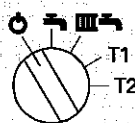
e.g. for the winter and transitional periods.



Summeroperation

- No central heating
- Domestic hot water supply (if a DHW cylinder is installed)
- Frost protection of the boiler.

e.g. for the summer.



Standbyoperation

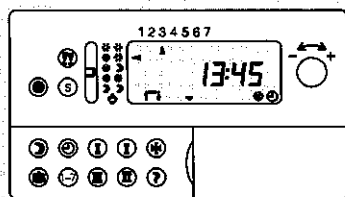
- No central heating
- No domestic hot water supply
- Frost protection of the boiler.

e.g. for the summer holiday period.

Please note:

The connected pumps are switched on for a short time every 24 hours to prevent them from seizing up.

Changing the room temperature



F clock thermostat

The required room temperature is set on the room temperature controller (e.g. F clock thermostat).

Please consult the corresponding operating instructions when making changes.

Initial start-up and re-starting the heating system

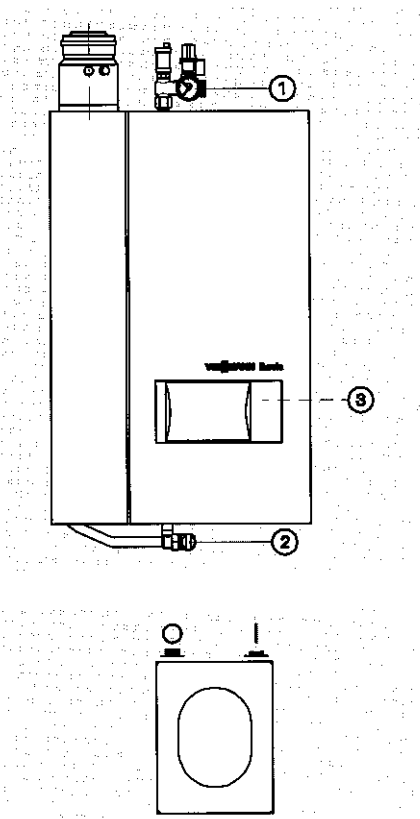
The initial start-up and matching of the control unit to local conditions and the structural characteristics of the building must be carried out by your heating contractor.

We advise you to contact your heating contractor before re-starting the heating system if it has been shut down for a long period.

To start up the system

1. Check the pressure of the heating system on the manometer ①.
Minimum system pressure 1.2 bar.
If the needle of the manometer is below 1.2 bar, the system pressure is too low, in which case please contact your heating contractor.
2. Open flued operation only:
Check that the ventilation facilities in the boiler room are open and are not obstructed.
3. Open the gas shut-off valve ②.
4. Switch on the mains voltage (e.g. at the separate fuse).
5. Switch on the heating system on/off switch ③.

Your heating system and, if connected, the F clock thermostat are now ready for operation.



Shutting down the heating system

If you do not want to use your heating system temporarily e.g. during your summer holidays, switch to standby operation (see "Selecting the heating program", page 6).

If you do not want to use your heating system for a long period (several months), you should shut down the system.

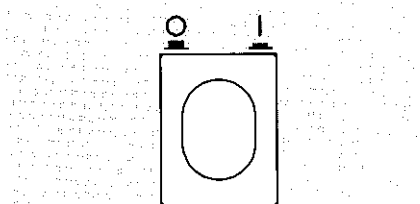
We advise you to contact your heating contractor before shutting down the heating system for long periods.

Your heating contractor will take any necessary action, e.g. for frost protection of the system or to safeguard the heat exchange surfaces.

To shut down the heating system

1. Switch off the heating system on/off switch.
2. Close the gas shut-off valve and make secure to prevent unauthorized opening.
3. Switch off the mains voltage (e.g. at the separate fuse).

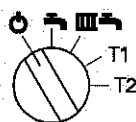
The power supply to the system is now switched off. There is no frost protection.



When you go on holiday...

Setting the energy saving mode for the holiday period

When you go away on holiday and want to set your heating system to the minimum energy consumption, choose the following heating program.



Standbyoperation

- No central heating
- No domestic hot water heating
- Frost protection of the heating system.

e.g. for the summer holiday period.

Please note:

The connected pumps are switched on for a short time every 24 hours to prevent them from seizing up.

Changing the heating water temperature

If the setting on the room temperature controller is not sufficient to achieve the desired room temperature (e.g. in a very cold winter), the heating water temperature can also be changed.

*If an F clock thermostat is connected:
The desired room temperature is set on the F clock thermostat. Please refer to the separate operating instructions.*



Set the desired heating water temperature on the "III" selector knob. Setting range: approx. 20 to 75 °C. While the setting is being made, the desired heating water temperature and the "III" symbol flash in the display window.

Changing the domestic hot water temperature

Set the domestic hot water temperature to suit your personal preference (e.g. for showering).



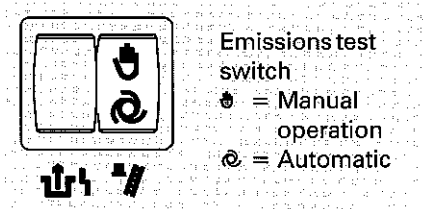
Set the desired domestic hot water temperature on the "IV" selector knob. Setting range: approx. 10 to 60 °C. While the setting is being made, the desired domestic hot water temperature and the "IV" symbol flash in the display window.

Please note:

If the "IV" selector knob is turned fully counter-clockwise, only the frost protection function is active.

Emissions test switch

This information is provided for emissions inspection purposes.



For flue gas measurements with constant boiler water temperature for a short time:

1. Open the hinged cover on the front panel of the Eurola.
2. Turn the emissions test switch "flame" from "circular arrow" to "flame".
3. Activate the heat emitters (e.g. by opening the thermostatic valves).
4. After completing the measurement, turn the emissions test switch "flame" back to "circular arrow".
5. Close the cover.

Please note:

The following functions are triggered (with manual operation):

- The boiler water temperature is limited by the limit thermostat,
- the circulation pump is switched on (heating mode),
- the burner is switched on.

Diagnosis and remedy

Fault ...	Cause	Remedy
Heating system does not start up	Heating system switch turned to OFF on the control unit	Switch on
	Heating program selector switch incorrectly set	Set to "❏" or "III" heating program
	Fuse in the domestic power circuit or in the control unit has blown or tripped	Inform heating contractor
	Low water, water pressure switch has operated	Inform heating contractor
Burner does not switch on or only erratically	No gas	Open gas shut-off valve
	Fault on control unit	Inform heating contractor
Burner does not start; red burner fault lamp "I" is lit on the control unit	Faulty start	Press burner fault reset button "⏏" – if this attempt also fails, contact your heating contractor
Burner is switched off even though the rooms have not reached the desired temperature	Fault in ventilation air supply or flue gas ducting	Inform heating contractor
	Heating water temperature or desired room temperature set too low	Increase the heating water temperature on the "III" selector knob (see page 9) or increase the desired room temperature (see operating instructions for F clock thermostat)
The rooms are cold although the burner is operating	Domestic hot water supply has priority	Wait until the domestic hot water cylinder has heated up
	Fault on F clock thermostat	Inform heating contractor
Flashing error code appears in the display	Fault on heating system	Make a note of the error code and inform heating contractor

Servicing instructions for your heating system

Regular servicing of the heating system will ensure troublefree, energy-saving and environmentally friendly heating. We strongly advise you to arrange a service contract with your heating contractor.

Eurola

All boilers have to be cleaned at certain intervals as the flue gas temperature and therefore the energy loss rise as the level of contamination increases.

Notes on operation:

- *Keep the boiler room and the boiler clean.*
- *Regularly check the pressure of the heating system on the manometer: If the needle of the manometer is below 1.2 bar, the system pressure is too low, in which case please contact your heating contractor.*

Domestic hot water cylinder

Current regulations state that the domestic hot water cylinder must be serviced or cleaned two years after start-up at the latest and at regular intervals thereafter.

Cleaning of the inside surfaces of the domestic hot water cylinder including the domestic hot water connections may only be undertaken by an approved heating contractor.

Please note:

If the cold water supply to the hot water cylinder incorporates a water treatment device (e.g. a sluice or inoculation unit), the filling must be renewed promptly. The same applies if a dirt trap or a filter is fitted in the cold water supply. These must be flushed out and serviced at regular intervals.

CeraCell:

We recommend that a functional inspection is carried out annually by the heating contractor to check the sacrificial anode. This can be done without interrupting the operation of the system. The heating contractor measures the protective current with an anode testing instrument.

Safety valve (DHW cylinder)

The user or the heating contractor should check the function of the safety valve through venting at six-monthly intervals.

Please note:

There is a risk of dirt collecting at the valve seat (see valve manufacturer's instructions).

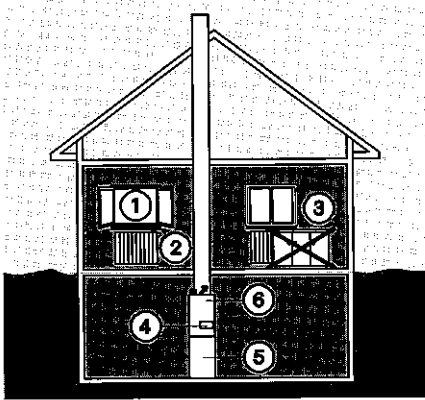
Drinking water filter (if installed)

For hygienic reasons

- replace the filter element every 6 months on filters which cannot be flushed back (and make a visual inspection every 2 months),
- flush back reversible flow filters every 2 months.

How to save energy

...by heating correctly



Apart from using the benefits offered by a modern heating system, there's a lot you can do yourself to make additional fuel savings. For instance:

- **Proper ventilation:**
Fully open the window ① for a short time with the thermostatic valves ② closed
- **Don't overheat:**
Aim at a room temperature of 20 °C .
Every degree less in the room temperature will reduce your heating bills by up to 6%
- **Close window shutters (if fitted) at dusk**
- **Operate thermostatic valves ② correctly**
- **Don't obstruct radiators ③ and thermostatic valves ②**
- **Make use of the adjustment facilities of the control unit ④:**
Set the domestic hot water temperature of the DHW cylinder ⑤ to suit your individual requirements
- **Control your consumption of hot water:**
A shower generally consumes less energy than a bath.

...by regular maintenance

Regular maintenance of your heating system ⑥ by a service contractor will ensure energy-saving, environmentally friendly and safe operation.

...by effective insulation

If you wish to make use of additional energy-saving measures, check out the thermal insulation:

- of the heating and domestic hot water pipes,
- of the external walls and the roof
- between the heated and the unheated rooms
- the windows

Attestation of conformity and manufacturer's certificate

Attestation of conformity for Eurola

We, Viessmann Werke GmbH & Co, D-35107 Allendorf, bearing sole responsibility, declare that the product

Eurola

conforms to the following standards:

EN 303
EN 676
pr EN 677
EN 297
EN 60 335
DIN VDE 0722/pr EN 50 165
EN50 082-1
EN55 014
EN61 000-3-2
EN61 000-3-3

According to the provisions of the guidelines

90/396/EEC
89/336/EEC
73/ 23/EEC
92/ 42/EEC

this product is designated as follows:

CE-0085

This product conforms to the requirements of the Efficiency Directive (92/42/EEC) for:
Condensing boilers

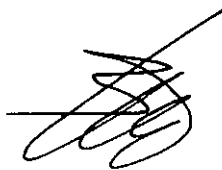
Manufacturer's certificate

We, Viessmann Werke GmbH & Co, D-35107 Allendorf, confirm that the following product satisfies the NO_x emission limits required in accordance with current legislation:

Eurola

Allendorf, 1st August 1997

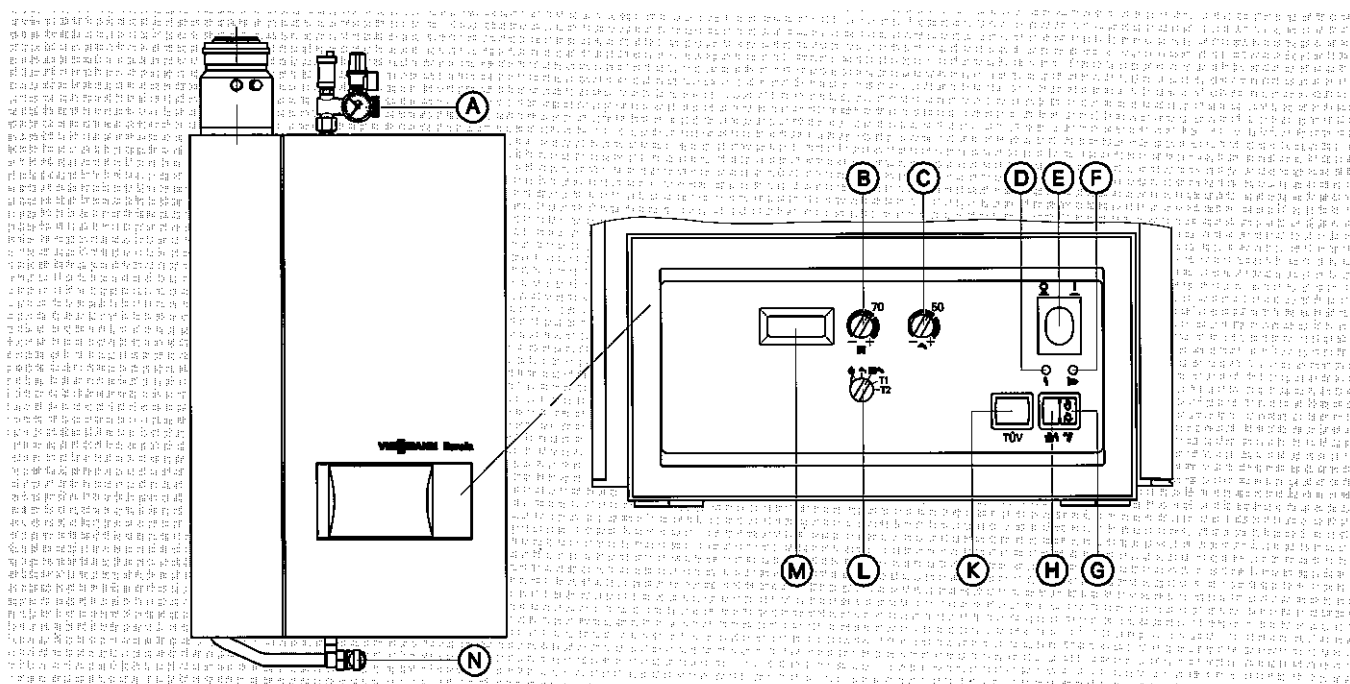
Viessmann Werke GmbH & Co
ppa.



Prof. Dr. Ing. Helmut Burger

Overview of the controls and indicators

- (A) Manometer
- (B) "Heating water temperature" selector knob
- (C) "Domestic hot water temperature" selector knob
- (D) Burner fault display
- (E) Heating system on/off switch
- (F) Burner operation display



- (G) Emissions test switch
- (H) Burner fault reset button
- (K) TEST button (for high limit safety cut-out)
- (L) Heating program selector switch
 - ⏻ Standby mode
 - ☀ Summer operation
 - ❄ Winter operation
- (M) Display window
- (N) Gas shut-off valve

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Subject to technical modifications

5592 247 GB