

**GAVINA 20 GT, 20 GT-F, 30 GT  
& 30 GT-F Confort  
20 GTI, 20 GTI-F, 30 GTI & 30 GTI-F Confort  
26 GTA & 26 GTA-F Confort**

**ROCA**  
BAXI GROUP

ES

## Grupos Térmicos

Instrucciones de Funcionamiento,  
Limpieza y Mantenimiento  
para el **USUARIO**

GB

## Heating Units

Operation, Cleaning and  
Maintenance Instructions  
for the **USER**

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## Groupes Thermiques

Instructions de Fonctionnement,  
Nettoyage et Maintenance  
pour l'**USAGER**

DE

## Heizkessel

Betriebs-,  
Reinigungs- und Wartungsanleitung  
für den **BENUTZER**

IT

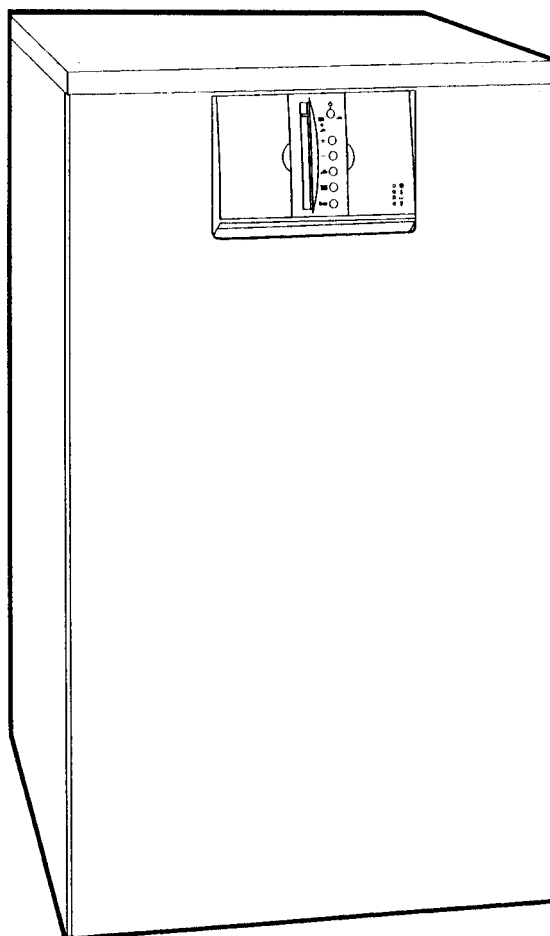
## Gruppi Termici

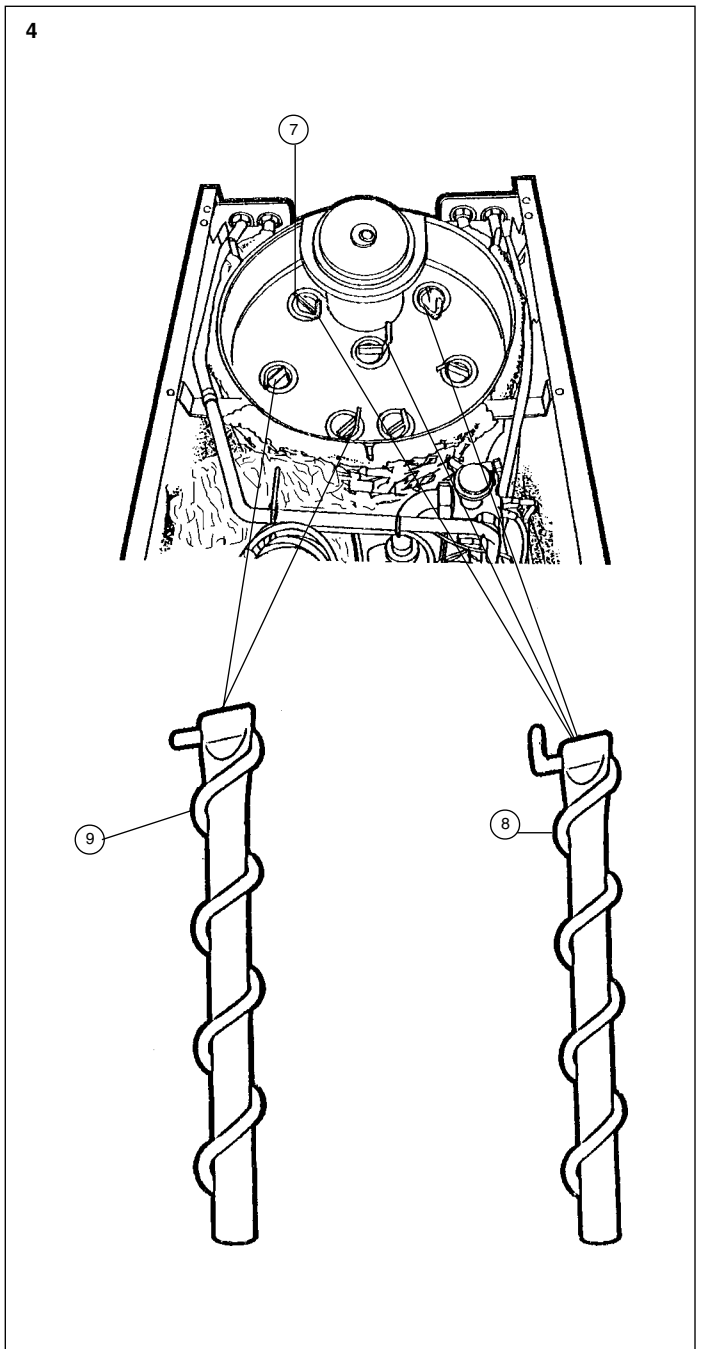
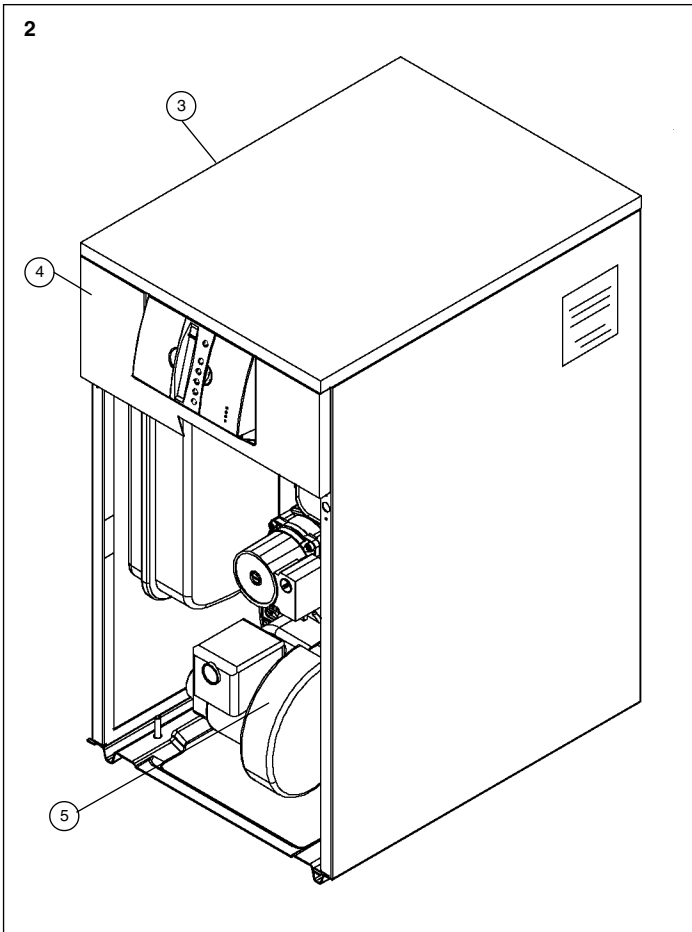
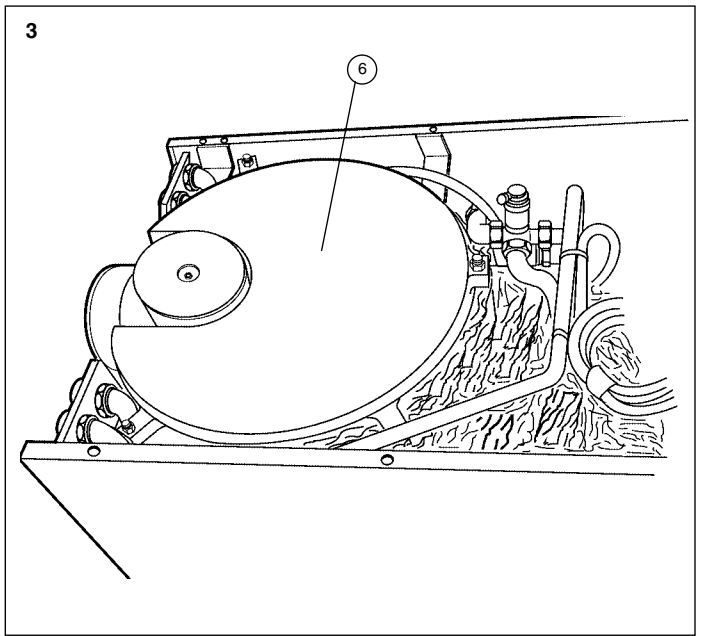
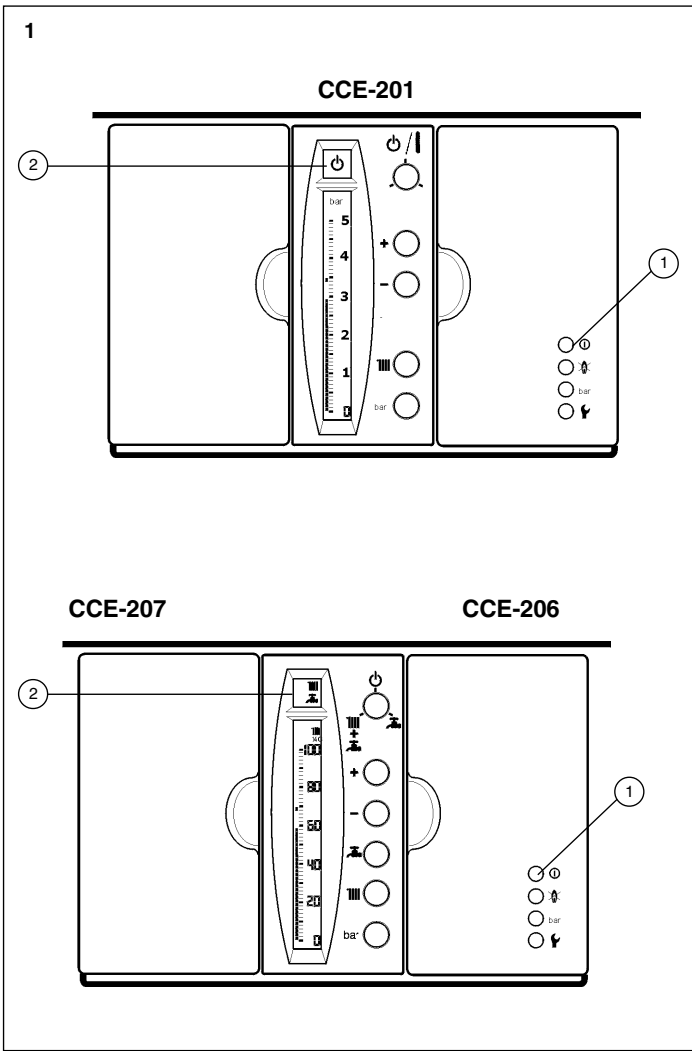
Istruzioni per il Funzionamento,  
la Pulizia e la Manutenzione  
per l'**UTENTE**

PT

## Grupos Térmicos

Instruções de Funcionamento  
Limpeza e Manutenção  
para o **UTENTE**





The GAVINA Confort Heating Unit that you have purchased will provide you with Central Heating (20 and 30 GT, 20 and 30 GT-F models) and Domestic Hot Water production (20 and 30 GTI, 20 and 30 GTI-F) and 26 GTA and 26 GTA-F models.

The information contained in this document includes the main features of the Heating Unit and the operations which are necessary for its correct performance and maintenance.

## Main features

Model GAVINA	Heat Output		DHW Production L/min. $\Delta t$ 30 °C
	Mcal/h	kW	
20 GT Confort	20	23,2	-
20 GT-F Confort			
20 GTI Confort	20	23,2	11,1
20 GTI-F Confort			
26 GTA Confort	26	30,2	12,7
26 GTA-F Confort	26	30,2	12,7
30 GT Confort	29	33,7	--
30 GT-F Confort			
30 GTI Confort	29	33,7	16,1
30 GTI-F Confort			

Max. operating temperature: 100 °C  
Max. heating circuit pressure: 3 bar  
Max. Domestic Hot Water pressure: 7 bar

GAVINA Model	Control Panel
20 GT Confort 20 GT-F Confort 30 GT Confort 30 GT-F Confort	CCE-201
20 GTI Confort 20 GTI-F Confort 30 GTI Confort 30 GTI-F Confort	CCE-207
26 GTA Confort 26 GTA-F Confort	CEE-206

## Operation

Checks and operations to follow during the operation of the Heating Unit and at the beginning and end of every heating season.

### Procedure prior to the first lighting

- First check that the system Flow and Return valves (if fitted) are open.
- Check that the control panel is under voltage. The LED of “power on” symbol (1) lights up green. (Fig. 1)
- Read the Instructions for the CCE control panels provided.
- In the relevant scale, check that the fill pressure has been adjusted (by the Installer) to the value for the system head (1 bar = 10 metres).
- In case of malfunction, refer to the “Fault Codes” section in the Instructions for the CCE control panels and proceed accordingly. If necessary, please call **ROCA**'s nearest After-

Sales Service for assistance.

- Check that the boiler, system and associated parameters, such as temperature, service selection, day, time, etc. have been selected and set in accordance with the Instructions for CCE control panels.

## First lighting

### Note:

- Heating Units GAVINA incorporate a burner whose first lighting takes place 6 minutes after receiving voltage.
- Later ignitions are almost instantaneous.
- Check the pump for correct operation and unlock it, if necessary, by pressing a screwdriver into the slot on the shaft-end and at the same time, turn it.
- Check the burner for correct operation.
- Check that there are no flue gas leaks and that radiators reach the required temperature.

## Central Heating Service

### GAVINA GT and GT-F Confort models

During demand for heating:

- The “radiator” symbol flashes slowly.
- The burner runs until the boiler temperature equals the temperature setpoint for heating (factory set at 70 °C).
- The pump runs if the boiler temperature is higher than the programmed Min. Heat. Temp. and does not work when its value is lower than the Min. Heat. Temp. –7 °C.

When demand for heating stops:

- The “radiator” symbol is fixed.
- The burner does not operate.
- The pump runs until the boiler temperature is equal to or lower than the Min. Heat. Temp. or two minutes after burner shut-down.

## Domestic Hot Water Service Only

### GAVINA GTI Confort and GAVINA GTI-F Confort models

The burner runs for the boiler water temperature set-point to reach that set for domestic hot water +15 °C. The 3-way valve it remains closed into heating installation.

During demand (draw-off):

- The “tap” symbol will flash slowly.
- The circulating pump will cycle so that the DHW mean temperature is very close to the set-point for this service.

When demand (draw-off) finishes:

- The “tap” symbol stops flashing.
- The pump will not run.
- The 3-way valve remains closed.

## Domestic Hot Water Service Only

### GAVINA 26 GTA Confort and GAVINA 26 GTA-F Confort models

- The “tap” symbol in the top screen is permanently ON.

1 – With no production of Domestic Hot Water (no “Domestic Hot Water” programme or with the cylinder water hot):

- The “tap” symbol in the screen is permanently ON.
- The burner and pump are not working, except for maintenance purposes.

2 – With Domestic Hot Water production (“Domestic Hot Water” programme or with the cylinder water not hot):

- The “tap” symbol flashes slowly. Production of hot water begins when the cylinder water temperature drops 2 °C below the set-point (the factory setting is 60 °C) and stops when the cylinder water reaches the set-point temperature.

– The boiler water is adjusted to reach 80°C. The pump will only run the first time provided the boiler water temperature is 5 °C higher than that in the DHW cylinder and the boiler temperature > Min. Heat. Temp.

## Combined Central Heating and DHW Service

### GAVINA GTI Confort and GAVINA GTI-F Confort models

When relighting after a long period of non-use, the DHW sensor reveals insufficient heat. No matter which service mode has been selected, the burner will take priority over Domestic Hot Water, the “tap” symbol will flash and the “radiator” symbol will be permanently ON. Following the first stage of operation, and as long as there is demand for domestic hot water, the operating mode will coincide with that mentioned in the previous section, excepting that the “radiator” symbol will also show in the top screen (2). (Fig. 1).

When demand for domestic hot water only stops (but not for Heating):

- The “radiator” symbol will flash slowly and the “tap” symbol will remain permanently ON.
- The burner will run until the boiler temperature reaches the Heating set-point.
- The pump will start running in order to deliver water to the Heating circuit when the 3-way valve is energized and will open when the boiler temperature rises above the Min. Heat. Temp; and it will stop running when the Min. Heat. Temp. drops below –7 °C (the 3-way valve remains open).

When demand for Heating ends, the “radiator” and “tap” symbols will stop flashing. The pump will stop running and the 3-way valve will close. The boiler temperature set-point will remain at the temperature set-point selected for Domestic Hot Water +15 °C.

### N.B.

With GAVINA units featuring instantaneous DHW production (GTI models), whenever the power supply to the boiler is to be isolated, proceed as follows:

First, set the boiler on «Stand-by» by pressing .

Second, turn off the power supply.

## Combined Central Heating and DHW Service

### GAVINA 26 GTA Confort and GAVINA 26 GTA-F Confort models

Both the “radiator” and “tap” symbols are displayed.

When the unit starts operating, the water in the boiler is cold. The “tap” symbol flashes and the “radiator” symbol is permanently ON.

During demand for Domestic Hot Water, operation will coincide with that described under “Domestic Hot Water Service Only”.

When demand for Domestic Hot Water only stops (but not for Heating):

- The “radiator” symbol will flash slowly, but not the “tap” symbol.
- The burner will run until the boiler temperature reaches the Heating set-point value.

The pump will start running when the boiler temperature rises above the Min. Heat Temp. and will stop running when the Min. Heat. Temp. drops below –7 °C.

When demand for Heating ends, the “radiator” and “tap” symbols will stop flashing. The burner will stop running, but pump will continue to run for one minute or until the boiler water temperature drops below the Min. Heat. Temp.

## Cleaning

The cleaner the boiler, the lower fuel consumption.

General cleaning should be carried out by a qualified professional whenever necessary, but at least once a year. In this chapter we list the most usual operations.

If it is to be installed in the kitchen embedded in the furniture under the countertop, the assembly should be designed in a way, that this countertop could be easily demountable, for easy access to the smoke exhaust pipes and the chimney, for cleaning of these items.

- Isolate the power supply to the boiler.
- Close the fuel inlet valves to the burner.
- Raise and remove the top casing panel (3) (Fig.2) which is secured to the sides by means of four clips, in order to have access to the lid of the draught hood.
- Pull the door casing panel (4) Fig. 2, which is pressure-fitted to the top of the sides by means of two clips, disengage it from the bottom supports and remove it.
- Remove the burner (5) Fig. 2 by detaching it from the boiler, taking care not to damage the fuel or electrical connections.

- Remove the turbulators (8 and 9) from the flues (7) and clean them. Fig. 4.
- Clean the flue pipes with the brush provided.
- Remove the residue resulting from cleaning the combustion chamber, using a vacuum cleaner; as well as any sediment -through the handhole provided (optional)- which may have settled at the base of the chimney.
- Repeat the operations described, in reverse order. Please take special care when installing back the lid of the draught hood (6) fig. 3, as it has to be perfectly tight against the combustion gases.

### Important:

The smoke turbulators (8) are made of stainless steel and they are located around the boiler outlet flue pipe.

The rest of turbulators are made of carbon steel and they are located in the rest of the boiler outlet smoke holes.

## Maintenance

Maintenance operations must be performed by specialized personnel, in accordance with current regulations. They comprise, at least, the following steps:

- At the end of each heating season or before a long period of non-use, the boiler must be thoroughly cleaned without letting soot harden.
- Carry out, at least once a year, the operations contained in the instructions which come with the burner.
- A “combustion analysis” should be performed once a year, when the boiler is clean. When appropriate, carry out the necessary adjustments to suit current standards and regulations.
- Clean the chimney at least once a year.
- All regulation, control and safety devices must be checked for correct operation at least once a year.
- Any modification and/or replacement of cables and connections, excepting those for the room thermostat, should be performed by **ROCA** Service Technician.

## Important recommendations

- In case of long periods of non-use, the installation must not be emptied.
- Water should be added to the system only

when it is absolutely necessary.

- Frequent adding of water may give rise to lime scale build-up in the boiler, causing serious damage, and at the same time reducing efficiency.

### Note:

Specifications and performance qualities are subject to change without notice.

### CE Marked

The GAVINA Confort Heating Units comply with the European Directives 89/336/EEC on Electromagnetic Compatibility, 73/23/EEC on Low Voltage, 92/42/EEC on Efficiency and 97/23/EEC Pressurized Equipments.

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