

*ELECTRIC OVENS WITH  
ELECTROMECHANICAL CONTROL*

*INSTRUCTIONS FOR INSTALLATION,  
OPERATION AND MAINTENANCE*



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# 1.

# INSTALLATION

## 1.1 IMPORTANT NOTICE



Read this manual carefully, since it contains important information concerning safe installation, operation and maintenance of the appliance. Keep this manual in a safe place for future reference. If the appliance is transferred to a new user, enclose this manual (if necessary, request your local authorized dealer or the manufacturer to supply a new copy).

- Installation, special maintenance and repairs must be carried out by a qualified technician in compliance with the manufacturer's instructions.
- The appliance must be used only by persons trained in its operation.
- Disconnect the appliance from the mains in case of malfunction. If repairs should be necessary, contact an authorized service centre and insist on the use of original spare parts.
- These conditions are applicable only for the country indicated on the serial number plate affixed to the appliance.
- Failure to comply with these indications may affect the safety of the appliance.
- When the appliance is in operation, remember that certain areas of the external surface will reach high temperatures.

This appliance is in compliance with the essential requirements laid down by Low-Voltage Directives 73/23/EEC and 93/68/EEC.

It is also in full compliance with the following electrical standards:

- EN 60335-1 and subsequent modifications
- EN 60335-2-42 and subsequent modifications
- EN 60335-2-46 and subsequent modifications
- EN 60335-2-13 and subsequent modifications

The appliance is in compliance with the essential requirements laid down by Electromagnetic Compatibility Directive 89/336/EEC.

## 1.2 POSITIONING

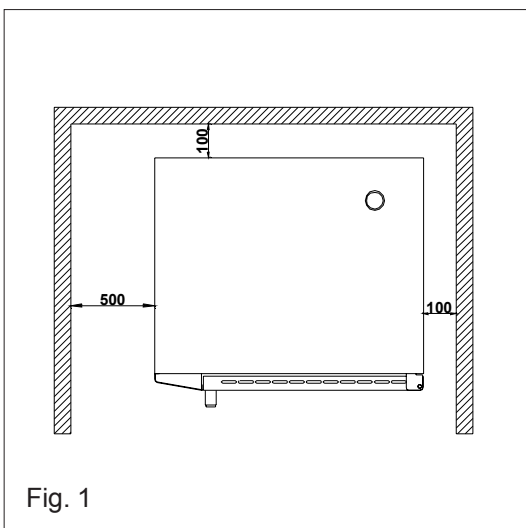
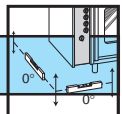


Fig. 1

These appliances are designed for indoor use, and must not be used in the open. Never expose the appliance to the elements (rain etc.).

Remove the appliance from its carton and check for damage. Place the appliance in the preferred position. Avoid installation against a wall or partition, kitchen cabinets or near inflammable materials. The oven must always be installed on the special stand.

Leave a gap of **at least 100mm** between all sides of the appliance and surrounding walls or other appliances. It is advisable to leave a gap of 500mm between the left side of the appliance and the wall (see Fig. 1).

The room in which the appliance is installed should be adequately ventilated.

All materials used for packaging are environmentally friendly. These materials may be stored without risk or incinerated in a suitable refuse incinerator.

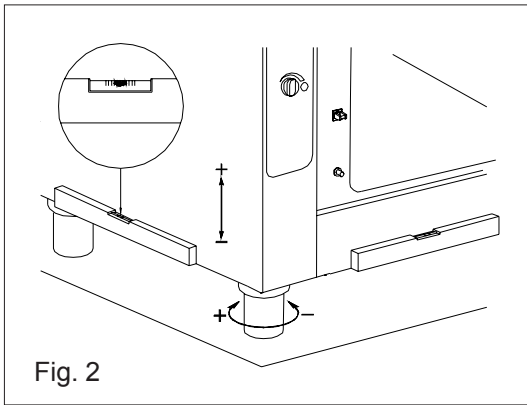


Fig. 2

Adjust the feet as shown in Fig. 2 in order to level the appliance and to adjust the height as desired.

The operation of the oven will be affected if it is not level.

Carefully remove the protective film from the external panels in order to avoid leaving traces of adhesive.

Check that the air intake grilles and other apertures are not obstructed.

### 1.3 ADJUSTING THE DOOR

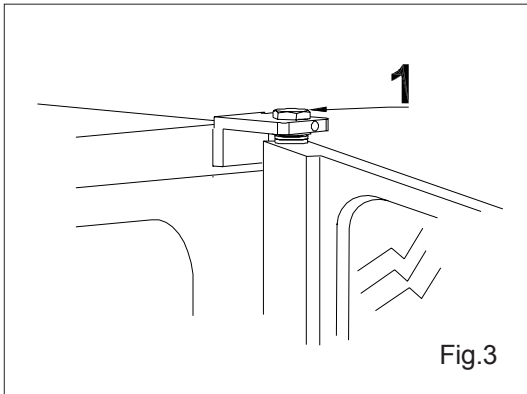


Fig.3

Check that the door closes correctly and that the seal between the door and the oven compartment is correctly positioned. If necessary, adjust the door hinges in order to ensure that the oven is air-tight when in operation.

In order to adjust the closure of the door, proceed as follows: loosen the screw (1, Fig. 3), adjust the door, and then re-tighten the screw. Both hinges (upper and lower) can be adjusted.

### 1.4 CONNECTING TO THE WATER SUPPLY

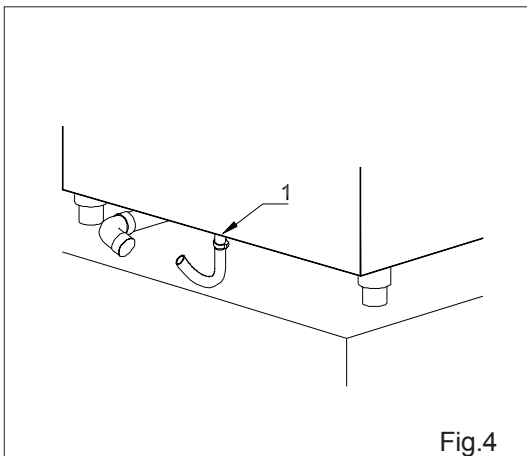


Fig.4

Maximum mains water pressure: (250Kpa) = 2.5 bar.

The manufacturer recommends the installation of a water-softener. 8 - 10°F approx.

**Before connecting the appliance to the water supply, allow a certain quantity of water to run off in order to remove any ferrous residue from the pipes. Check that the filter of the solenoid valve is clean (see paragraph 4.1).**

Connect the water intake coupling marked "Water" to the cold water supply. A cut-off valve should be installed between the water outlet and the intake coupling.

### 1.5 CONNECTING THE DRAIN OUTLET

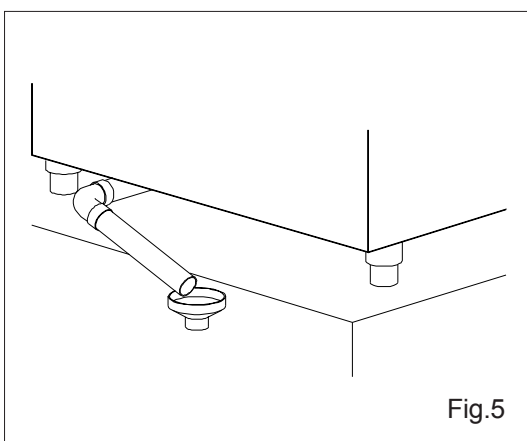
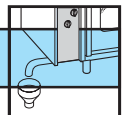


Fig.5

For connection to the drain outlet, install the funnel (supplied with the appliance) in order to ensure that the water drains off freely. The drain tube must always be open in order to avoid problems of pressure in the chamber (Fig. 5).

## 1.6 CONNECTION TO THE POWER SUPPLY



Check that the power socket is efficiently grounded in compliance with current safety legislation. Check that the mains voltage and frequency are correct for the appliance.

When connecting the appliance to the power supply, it is necessary to install a safety switch of suitable capacity on all poles of the power supply. The safety switch must be installed between the appliance and the mains, and must be easily accessible to the user. The contact apertures of the safety switch must be at least 3mm.

Set the main switch on the power socket to which the plug on the power cable will be connected to position 0 (zero).

Have a qualified technician check that the power socket is suitable for the power absorption of the appliance.

Remove the screws which secure the left-hand panel in position, remove the panel and dismantle the cable protection.

Remove the wiring diagram, which is contained in an envelope on the wiring support.

Ensure that the cable is of sufficient dimensions for the power absorption.

Pass the power cable through the cable clamp fitted to the frame, and then through the cable clamp on the wiring bar. Ensure that the distance between the cable clamp on the wiring bar and the cable clamp on the frame is at least 60cm.

Connect the cable to the terminal block. The terminals are marked as follows:

L1 L2  $\perp$  for single-phase versions (**ensure that the polarity is correct**)

L1 L2 L3 N  $\perp$  for three-phase versions

Tighten the cable clamps to secure the power cable.

When the appliance is in operation, the power supply voltage must not differ from the rated voltage for the appliance by more than  $\pm 10\%$ .

The appliance must be connected to an equipotential circuit whose efficiency must be checked as required by current safety legislation. The terminal for connection to the equipotential circuit is positioned on the frame and marked "Equipotential".

Replace the wiring diagram in its envelope on the wiring support for future reference, replace the protective casing and re-fit the side panel.

## 2.

# OPERATING INSTRUCTIONS

This appliance must be used exclusively for the purposes for which it is specifically designed. Any other utilization is considered improper.

Always supervise the appliance when in operation.

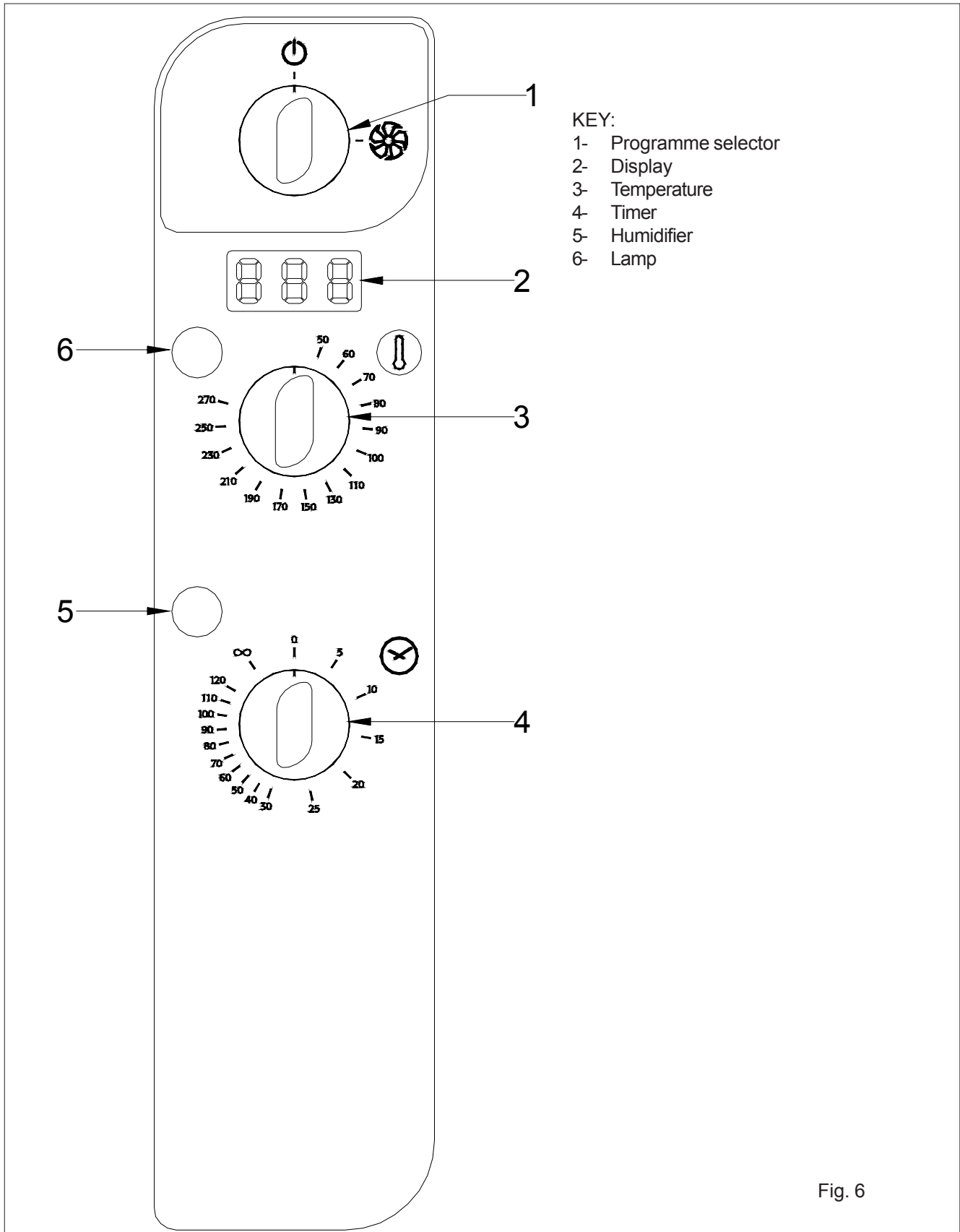
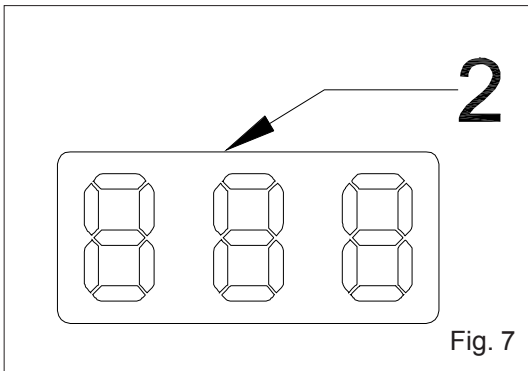


Fig. 6

## 2.1 STARTING THE APPLIANCE

Before operating the appliance for the first time, it is essential to remove all packaging material and replace any components previously removed for installation.

To start the appliance, close the main switch and open the cut-off valves on the water intake upstream of the appliance.



### DISPLAY

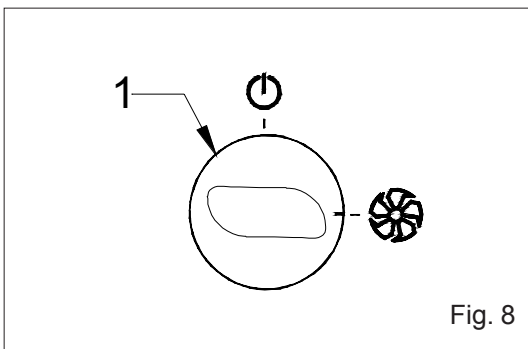
The oven features a single control display panel (2, Fig. 7) which lights when the programme selector is rotated.

The display shows the temperature inside the oven compartment.

## 2.2 SETTING

BEFORE COOKING, IT IS ADVISABLE TO PRE-HEAT THE OVEN TO A TEMPERATURE OF APPROXIMATELY +30°C/+40°C HIGHER THAN THE DESIRED COOKING TEMPERATURE.

If the oven is switched on (by turning the change-over switch) with the timer set to zero, a buzzer will be heard for 10 seconds.

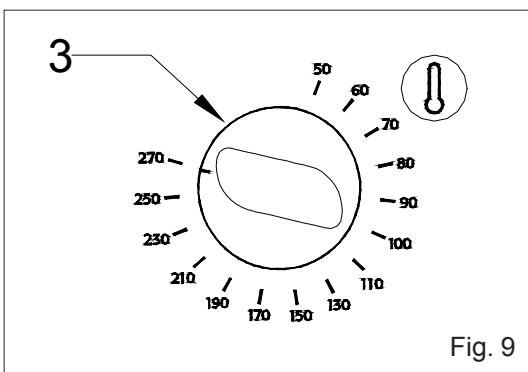


### CONVECTION COOKING

Turn the cooking cycle selector knob to the position shown in Fig. 8.

Enter the parameters for the cooking cycle, following the instructions shown in paragraph 2.3.

The cycle will start automatically after a few seconds.

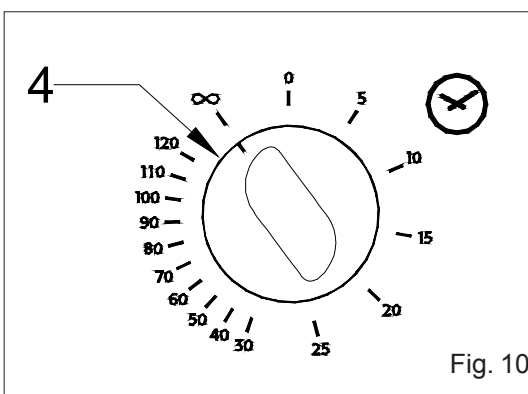


### TEMPERATURE

Turn the knob (4) clockwise in order to select the desired cooking temperature (up to a maximum of 270°C).

While the oven is in operation, the display will show the temperature inside the oven.

The temperature setting may be modified at any time during the cooking cycle simply by turning the knob to the desired temperature.



### TIME

All cooking cycles can be performed with or without timer control of the duration of the cooking cycle.

Turn the timer knob (5) to the desired cooking time (from 1 to 120 minutes).

When the selected cooking time has elapsed, the oven switches off automatically and the buzzer sounds.

To set the oven to manual cooking (i.e. without timer control), turn the knob (5) to the position shown in the figure opposite.

## 2.4 SUPPLEMENTARY FUNCTIONS

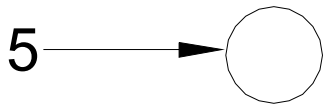


Fig. 11

### USE OF HUMIDIFIER

To increase the amount of moisture in the cooking chamber, press humidifier push-button (5), which nebulises water into the cooking chamber.

**CAUTION:** as regards confectionery, this device is to be used only when baking bread.

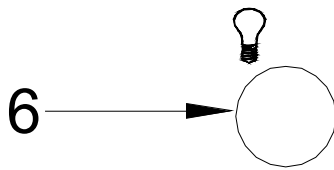


Fig. 12

### OVEN LIGHT

The oven light is switched on and off using the button on the panel (6, fig. 15).

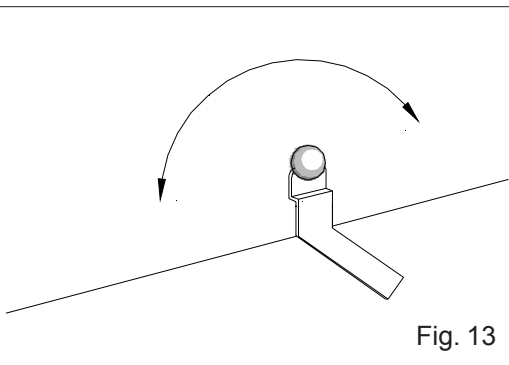


Fig. 13

### STEAM DISCHARGE LEVER

The steam discharge function expels the steam produced during cooking from the oven.

Turn the lever (Fig. 16) to open the steam discharge valve.

Even if the discharge valve is completely closed, there is no risk of excessive pressure in the oven, since the discharge outlet acts as a safety valve.

## 2.5 SWITCHING OFF THE OVEN

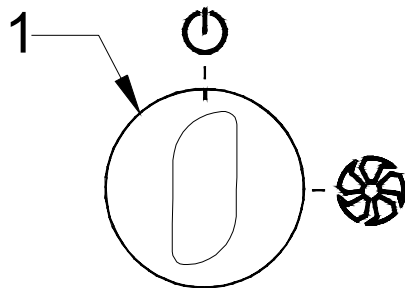


Fig. 14

At the end of the cooking cycle, turn the selector knob to the position shown in Fig. 17.

Close the water and gas cut-off valves installed upstream of the oven.

Open the wall-mounted multi-pole safety switch.



## 2.8 CLEANING

At the end of the working day, the appliance must be cleaned in order to ensure perfect hygiene and to prevent possible malfunctions.

Never clean the appliance using direct or high-pressure water jets. Never use steel wool pads, brushes or normal steel scrapers. If necessary, use stainless steel wire wool, brushing in the direction of the satin finish.

Lift the grille support slightly to remove.

Remove any loose residue by hand. Place the filter and all removable parts in a dishwasher.

When cleaning the inside of the oven, use warm soapy water and then rinse thoroughly to remove all traces of detergent.

Use a soft cloth and a mild detergent to clean the exterior of the appliance.

## 3.

## MAINTENANCE

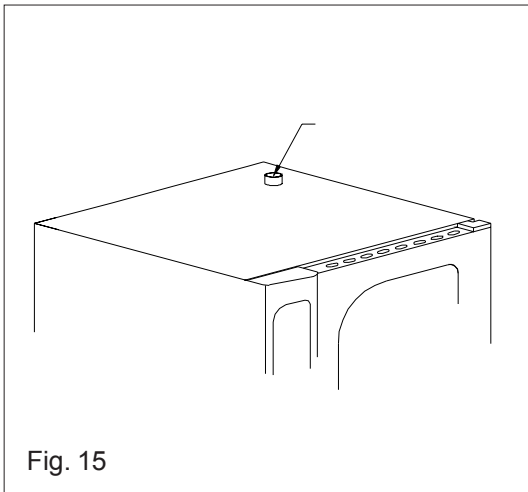


Fig. 15

### STEAM DISCHARGE

This function expels the steam produced during cooking from the inside of the oven.

Check that the steam discharge outlet is always clean and unobstructed.

### CLEANING THE GLASS PANEL

In order to clean both sides of the glass panel fitted to the door, remove the screws which hold it in position, remove the glass panel and clean using a suitable detergent.

Replace the glass panel and re-tighten the screws.

## **3.1 SAFETY AND MONITORING COMPONENTS**

### **SOLENOID VALVE**

The solenoid valves are devices for supplying water at set times in set ways.

### **DOOR MICROSWITCH**

The door's microswitch disconnects heating and fan operation when the oven door is opened. When the door is closed, normal operations resume.

Do not use this device in manual mode when the oven door is open.

### **MOTOR THERMAL OVERLOAD PROTECTION**

The fan motor has a built-in thermal overload protection device that stops fan operations if it overheats. Operations resume automatically as soon as the motor temperature has fallen sufficiently to allow operations to resume.

### **SAFETY THERMOSTAT**

If the oven temperature reaches 350°C, the thermostat will disconnect the power supply to the resistances. This safety device must be reset only by an after-sales technician because further checks are re required.

## 4.

## WHAT TO DO IF

If a fault occurs it is **vitaly important** to switch off the appliance at the master switch and to shut off the water stopcocks upstream of the appliance.

### **THE OVEN DOES NOT START**

Check that the master switch is in the ON position.

Check that the oven door is closed properly.

Check that the settings are correct.

If the oven still does work after these operations, contact the after-sales service.

### **THE FAN STOPS DURING OPERATION**

Switch off the oven and wait for the motor to restart automatically.

Make sure that the cooling vents are not obstructed.

If the problem recurs, contact the after-sales service.

### **THE OVEN LAMP DOES NOT LIGHT**

Proceed as follows to replace the bulb of the oven lamp:

- Remove the screws which secure the inner glass panel to the door.
- Remove the glass protective panels from the lamp.
- Replace the bulb.

## 4.1 TEST PROCEDURES FOR SERVICE ENGINEERS ONLY

**DISCONNECT THE APPLIANCE FROM THE POWER SUPPLY BEFORE CARRYING OUT ANY ADJUSTMENTS OR REPAIRS**

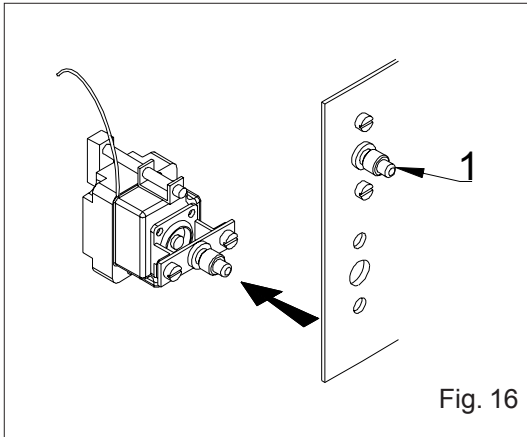


Fig. 16

### RESETTING THE SAFETY THERMOSTAT

Remove the control panel, sliding out along the guides.

The thermostat is located at the far end of the cavity which is revealed when the control panel has been removed:

- Thermostat "1" controls the temperature of the oven compartment.

To reset the thermostat, press the red button until the contacts close (a "click" will be audible).

If the safety thermostat intervenes persistently, this indicates that the appliance is not functioning correctly.

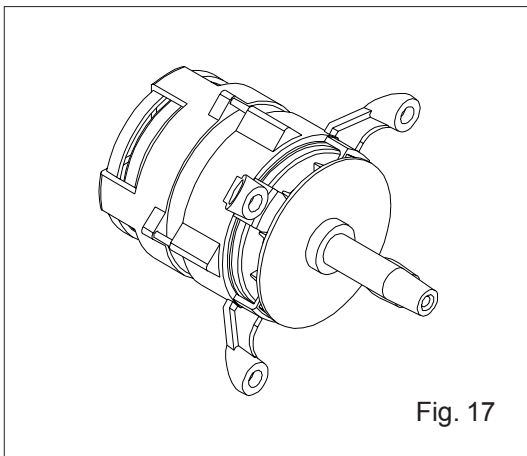


Fig. 17

### MOTOR OVERLOAD CUT-OUT

The motor overload cut-out resets automatically. If this cut-out should intervene, check the ventilation grilles and the cooling devices, and check that there is no friction between moving parts.

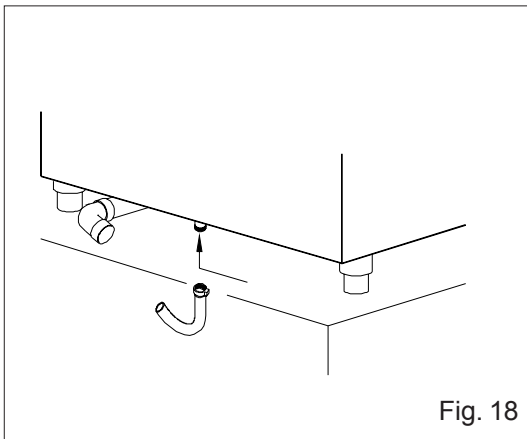


Fig. 18

### WATER FILTERS

If the oven does not receive water, check the intake filter on the solenoid valve, which is located at the rear of the oven. To do so, proceed as follows:

- Close the water tap located upstream of the appliance.
- Detach the intake hose from both intake coupling.
- Use pliers to remove the filter located inside the solenoid valve.
- Clean the filter to remove any residue and replace it correctly in position.
- Re-attach the intake hose.

## 4.2 SPARE PARTS

Spare parts must be installed only by a service engineer from an authorized service centre.

To ascertain the part numbers of the necessary spare parts, contact your nearest service centre, which will identify the parts and forward a written order to the manufacturer quoting the model, serial number, power supply voltage and frequency as well as the code and description of the required spare part.

THE MANUFACTURER ACCEPTS NO LIABILITY FOR DAMAGE OR INJURY ARISING FROM INCORRECT INSTALLATION, TAMPERING WITH THE APPLIANCE, IMPROPER USE, INADEQUATE MAINTENANCE OR FAILURE TO COMPLY WITH CURRENT SAFETY STANDARDS.

THE MANUFACTURER RESERVES THE RIGHT TO MODIFY THE CHARACTERISTICS OF THE APPLIANCE AS DESCRIBED IN THIS MANUAL AT ANY TIME AND WITHOUT PRIOR NOTICE.