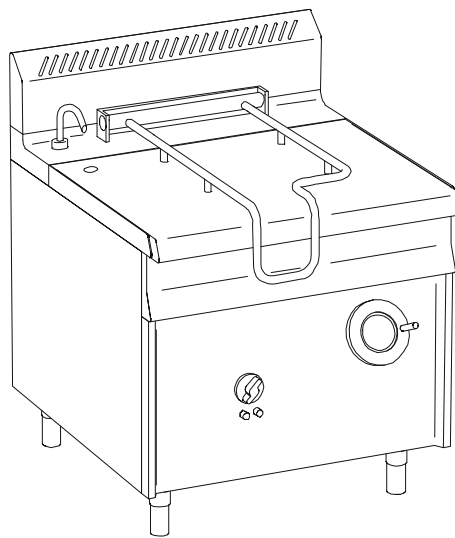



**ELECTRIC TILTING BRAT PANS**  
**SERIE 909**

<b>GB</b>	<b>INSTRUCTIONS FOR INSTALLATION, USE AND MAINTENANCE</b>	<b>INDEX</b>	1 - Installation .....	3
			2 - Connections .....	4
			3 - User information .....	4
			4 - Preparation for use .....	5
			5 - Possible problems and remedies .....	5
			6 - Part replacement .....	5
			7 - User indications .....	6
			8 - Instructions for use .....	6
			9 - Maintenance .....	6
			10 - Spare parts .....	7
			11 - Hook-up diagrams .....	8
			12 - Wiring diagram .....	9



MODEL	DESCRIPTION
SE94IRM	Pan made of stainless steel with steel bottom
SE94CRM	Pan made of stainless steel with "Compound" bimetal bottom

<b>02</b>	Sostituzione codici	30/08/01	Tormen	Deola
<b>01</b>	Revisione grafica	10/10/00	Tormen	Zambon
<b>00</b>	Prima emissione	16/10/98	Sara	Deola
<b>REV.</b>	<b>MODIFICHE</b>	<b>DATA</b>	<b>FIRMA</b>	<b>VISTO</b>
	<b>CODICE</b>	<b>XLI30912-GB</b>		

Copia controllata nr. \_\_\_\_

Copia non controllata

## 1 - INSTALLATION

### 1.1 DATA CONCERNING OUR ELECTRIC TILTING BRAT PANS

This installation manual concerns our electric tilting brat pans for catering with **CE** mark as indicated on the front page. The application point for the data plate is indicated on the following pages for each model.

The following data are indicated:

Manufacturer :  
 Model : (see front page)  
 Serial number :  
 Year of production :  
 Electric connection : (see table 1)

**TABLE 1** ✦ **ELECTRIC CHARACTERISTICS**

Model	External dimensions cm	Electric Volt	Electric cable Nr. x mm <sup>2</sup>	Total power rating kW
<b>SE94IRM</b>	90 x 90 x 90	3/N/PE AC 400V*	5 x 2.5	9.1
<b>SE94CRM</b>	90 x 90 x 90	3/N/PE AC 400V*	5 x 2.5	9.1

\* Convertible to 3/PE AC 230V with electric cable sec. 4 x 4 mm<sup>2</sup>.

**TABLE 2** ✦ **COOKING PANS CHARACTERISTICS**

Model	Dimensions cm	Pan capacity (max. level) litres	Rotation angle of the pan	Minimum width of the outlet cm
<b>SE94IRM</b>	59 x 76 x 22.5	60	80°	13.5
<b>SE94CRM</b>	59 x 76 x 22.5	60	80°	13.5

### 1.2 CONSTRUCTION FEATURES

- Robust steel structure on 4 adjustable feet. Exterior and top finish entirely made of stainless steel 18/10.
- Stainless steel pan with steel bottom in model SE94IRM.
- Stainless steel pan with bimetal bottom in model SE94CRM.
- Stainless steel lid with rear hinge and spring balance in all open position.
- Hand tilting of the pan.
- Heating of the pan by means of six heating elements (1650W 240V each), fitted to the bottom of the pan.
- Temperature regulation is possible between 45° and 295°C by means of a thermostat fitted to the switch.
- A safety thermostat cuts off power supply automatically in case of failure (e.g. breaking of thermostat).

- A green signal lamp lights when the appliance is on.
- An orange signal lamp lights when one of the heating elements is on.
- Filling of the pan by means of a water inlet solenoid valve.

### 1.3 ELECTRICAL COMPONENTS AND ACCESSOIRES

#### 1.3.1 COOKING PAN

- The pan consists of following parts:
- Thermostat for desired temperature regulation.
  - Safety thermostat.
  - Heating elements.
  - Signal lamp.
  - Control knob.
  - Water inlet solenoid valve.

## 2 - CONNECTIONS

### 2.1 INSTALLATION PREMISES

Before beginning installation, remove all packing from the appliance. Some parts are protected with a plastic film which should be carefully removed. If some residuals of glue remains on the surfaces take care to clean it using suitable substances, like benzene. Under no circumstances should abrasive substances be used. If necessary, adjust the feet so that the appliance stands perfectly level.

We recommend installing the machine under a hood so that all fumes are removed as quickly as possible.

The appliance can be used individually or placed in line with other equipment.

If the appliance is to be installed near walls, diving walls, kitchen equipment or decorative panelling, these should be in non – inflammable material or to provide a suitable heat insulation.

**Follow the fire prevention prescriptions very carefully!**

### 2.2 LAWS, TECHNICAL PRESCRIPTIONS AND DIRECTIVES

When installing the appliance, it is necessary to follow and comply with the following rules:

- Current CEI standards.
- Local accidents prevention standards.

### 2.3 INSTALLATION

#### 2.3.1 WATER CONNECTION

Water inlet pressure must be between 50 and 300 kPa, otherwise a pressure regulator must be installed before the appliance.

A water stop tap is fitted before the appliance.

Water connection must be in conformity with current standards.

#### 2.3.2 INSTALLATION, ELECTRICAL CONNECTION

<b>A</b>	<b>IMPORTANT!</b>
	<b><i>Installation, electrical connection and maintenance operations on electrical appliances must be performed by qualified electrical technicians, according to regulations of electricity board and to these instructions.</i></b>

Features of connection cable:

The appliances are designed for a fixed connection and the power cable is not supplied with the appliance. The cable must be in conformity with CEI standards, according to the characteristics described in table 1.

The electric cable of the appliance must have characteristics not lower than type H07RN-F and must not be exposed to environment temperatures above 50°C.

**NOTE:** The appliance can be designed to work with a power supply of 3/N/PE AC 400V or 3/PE AC 230V (see Table 1). The connection must be performed according to the voltage indicated on the data plate.

Before connecting the appliance to mains it is necessary to check the following:

- The voltage of the mains must be equivalent to the data plate indications.
- The earthing system must be efficient.
- The power cable must be guaranteed for the rated absorbed power.

An onnipolar cut-off device with a minimum opening between contacts of 3 mm. must be installed before the appliances; automatic switches can be used for this purpose.


Then install a differential switch with characteristics suitable for voltage of the appliance (1,00 mA/kW).

Proceed as follows to reach the power supply terminal board:

- *Disconnect the appliance using the switch placed before the appliance.*
- Remove the front panel, unloosing the fixing screws. The power cable must be protected against unintentional pulling using the cable press installed on the appliance.

<b>A</b>	<b>WARNING!</b>
	<b><i>The appliance can be started only with the earth lead connected.</i></b>

#### 2.3.3 EQUIPOTENTIAL

The appliance must be included in an equipotential system. The terminal used for connection is placed on the front part of the appliance, near the right and left foot and is marked with symbol .

## 3 - INFORMATION FOR USER

- The user must be informed (using the instruction manual) and trained about operation and use of the appliance
- Advise to apply for a maintenance contract.

<b>A</b>	<b>WARNING!</b>
	<b><i>The manufacturer shall not be held responsible for any damage to people and/or objects caused by an improper installation or use of the appliance.</i></b>

## 4 - PREPARATION FOR USE

### 4.1 PREPARATION TO ACTION

<b>A</b>	<p><b>WARNING!</b></p> <p><i>If the electric tilting bratt pan is installed near other electric appliances, it necessary to check that they do not disturb each other. The electric connections must be independent one to the other. Before starting one of the heating elements check that all the parts of the packing and all the protective films have been taken off.</i></p> <p><i>Disconnect the appliance before every type of intervention.</i></p>
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## 5 - OPERATION PROBLEMS AND THEIR ELIMINATION

Even a normal use of the appliance may cause operation inconveniences and failures.

The most common problems are the following:

### 5.1 PAN DOES NOT REACH SET TEMPERATURE

Possible causes:

- Check connections to the switch.
- Check connection to the working thermostat.
- Check connection to electromagnetic switch.
- Heating elements are burned.

### 5.2 SIGNAL LAMPS DO NOT LIGHT UP

- Check the connection to the switch.
- Signal lamp is faulty.

### 5.3 THE BRATT PAN WORKS WITH DISCONNECTED THERMOSTAT

- Electromagnetic switch contacts are cut off.

### 5.4 LOW EFFICIENCY OF THE PAN

- Check the heating elements.

## 6 - REPLACEMENT OF COMPONENTS

<b>A</b>	<p><b>WARNING!</b></p> <p><i>Maintenance operations and repairs must be performed only by specialists!</i></p>
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- Disconnect the appliance.
- After having removed the control knob, remove the control panel, the handle of water inlet tap and the handwheel for tilting of pan.

### 6.1 REPLACEMENT OF HEATING ELEMENTS

- Disconnect the electric cables to heating elements.
- Rotate the pan in the max. opening.
- Remove the insulation protection, unloosing the fixing screws to the pan.
- Remove the protection panel of heating elements.
- Remove the heating element support plate from damaged heating element.
- Fit the new heating element operating in the opposite order.

### 6.2 REPLACEMENT OF SIGNAL LAMP

- Disconnect the power cables.
- Remove the signal lamp, unscrewing the fixed to the control pane .
- Fit the new signal lamp in the reverse order of operation.

### 6.3 REPLACEMENT OF WORKING OR SAFETY THERMOSTAT

- Disconnect power cables, after having removed the front panel.
- Remove the insulation protection, unloosing the fixing screws to the pan.
- Remove the protection panel of heating elements.
- Remove the fixing bulb boss.
- Replacing the new thermostat be careful about tightening of the boss on the bulbs.
- If the bulbs would be squeezed, this would cause the damage of thermostat.

### 6.4 REPLACEMENT OF THE SWITCH

- Disconnect the power cables, after having removed the front panel.
- Replace the switch loosing the fixing screws to the support , after having taken off the coaxial working thermostat.
- Fit the new switch in the reverse order of operation.

## 7 - INFORMATION FOR THE USER

This manual contains all the instructions required for our electric tilting brat pans to be used in a safe and economical way.

These appliances are for catering use, hence they must be used exclusively by qualified staff.

All the installation and connection operations, as well as conversion to other voltage must be performed only by

installer duly registered as qualified installers.

Install the appliance in a well-aired room, if possible under a hood.

The appliance must not be wetted for any reason whatsoever with pressurised or direct jets of water.

The appliance must always be kept under control during use.

## 8 - INSTRUCTIONS FOR USE

### 8.1 STARTING

#### 8.1.1 GENERAL INDICATIONS

Before starting the appliance clean the pan carefully. If some dispersions should occur, disconnect the appliance and apply to a service centre.

<b>A</b>	<b>WARNING!</b> <i>Not use this appliances as a fryer!</i>
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#### 8.2 FILLING OF THE PAN

To fill the cooking pan, press the solenoid valve button located on the front panel. Fill the pan to 40 mm. under the overflow edge, respecting the max. level marking, including the food to be cooked.

### 8.3 IGNITION

Activate the main switch, placed before the appliance. Starting from position "0" turn the thermostat knob to desired temperature between 45° and 295°C: the signal lamps will light, the green one indicates that the appliance is on and the orange one indicates that heating elements are on; when the desired temperature is reached this signal lamp will go out.

### 8.4 TILTING OF THE PAN

The tilting of the pan is made by means of an handwheel placed on the RH side of the front panel. Turning the handwheel anti-clockwise the pan goes up, turning it clockwise the pan goes down.

## 9 - MAINTENANCE

The correct operation of the appliance is guaranteed only if these instructions are followed very carefully. Any repairs or maintenance operation must be performed only by qualified technicians.

We recommend to have the appliance controlled at least once a year; for this purpose it is advisable to apply for a service contract.

### 9.1 CLEANING THE APPLIANCE

<b>A</b>	<b>WARNING</b> <i>Unplug the appliance before cleaning it and performing the following operations.</i>
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Do not use aggressive substances or abrasive detergents to clean stainless steel components. Avoid using iron wool on the steel parts as they may cause rust. For the same reason avoid any contact with iron material. Sand or abrasive paper should not be used for cleaning, however, in particularly cases pumice powder may be used. In case of particularly resistant dirt, it is advisable to use abrasive pads such as Schotch-Brite. Clean the pan with water and a detergent, rinse and dry with a soft cloth. Clean only once the appliance has cooled down.

**PRECAUTIONS!** Do not use coarse salt, because this salt is hard to dissolve and depositing on the bottom of the pan, it could cause rust. It is advisable to dissolve it in water separately.

<b>A</b>	<b>WARNING</b> <i>Do not direct jets of water, with or without pressure, against the appliance to prevent any water entering in the components.</i>
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#### 9.1.1 HOW TO PROCEED IN CASE OF FAILURE OR LONG INACTIVITY

In case of failures or incorrect operation or if the appliance is not used for a long time, disconnect the appliance.

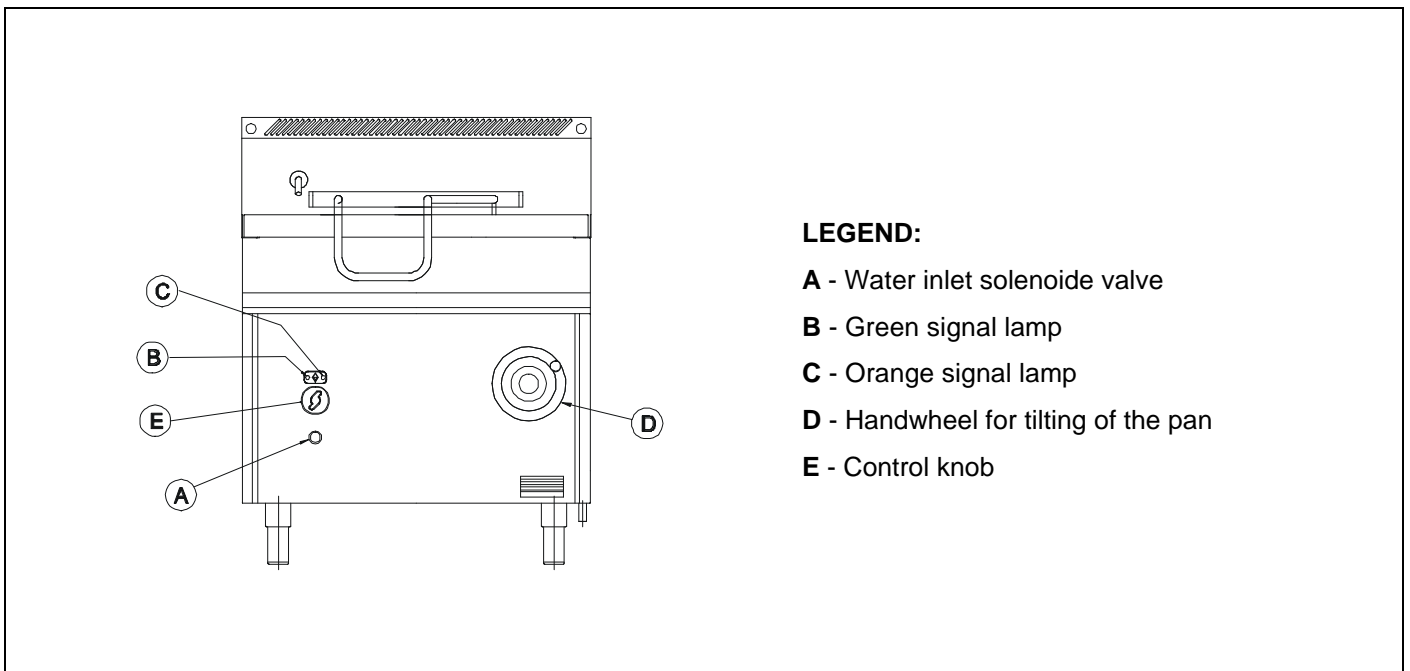
#### 9.1.2 SAFETY THERMOSTAT

If the electric tilting brat pan is not used correctly or there is a thermostat failure, the appliance may overheat. In this case the safety thermostat will cut off immediately the current to the heating elements. This cause the appliance to be unserviceable. Unplug the appliance and apply to the service centre.

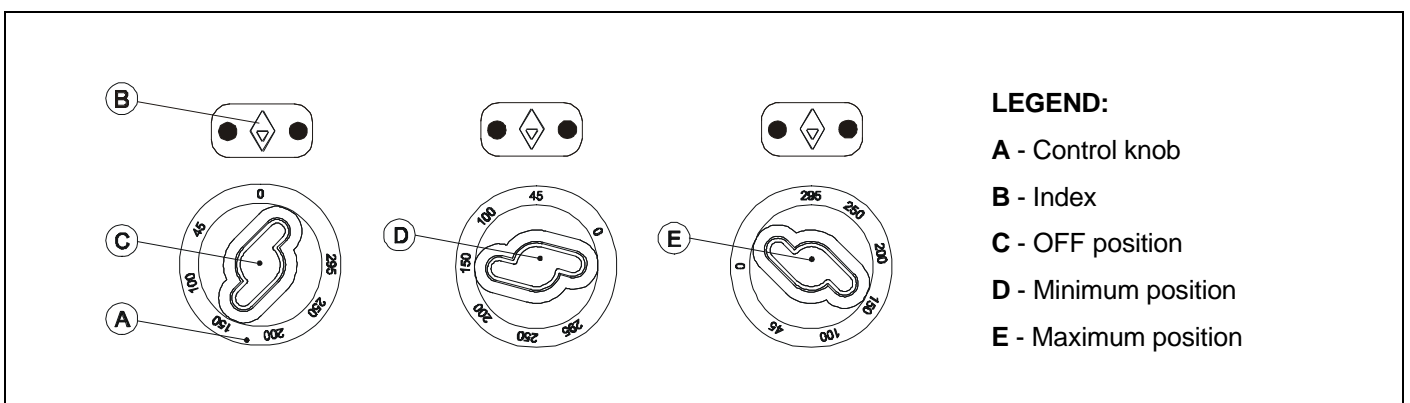
## 10 - SPARE PARTS

Code	Description
0101330	Electromagnetic switch
0101177	Microswitch
0101167	Orange signal lamp
0101169	Green signal lamp
0101380	Changeover switch
0101377	Thermostat
0101375	Safety thermostat
0101527	Heating element 1650 W – 240V
0101799	Thermostat knob 45°-295°C
0101341	Water inlet solenoide valve

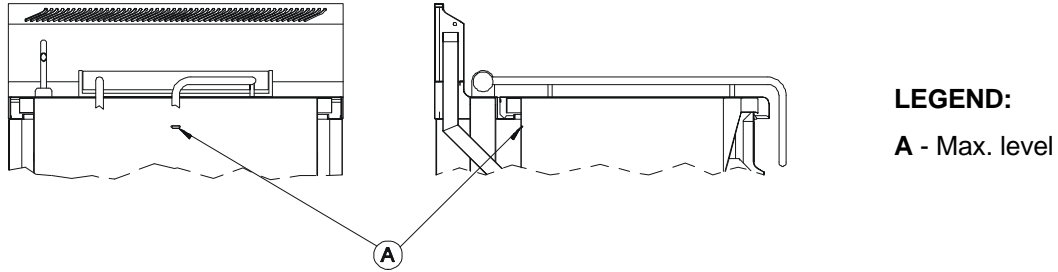
### FIGURA 1 - CONTROLS



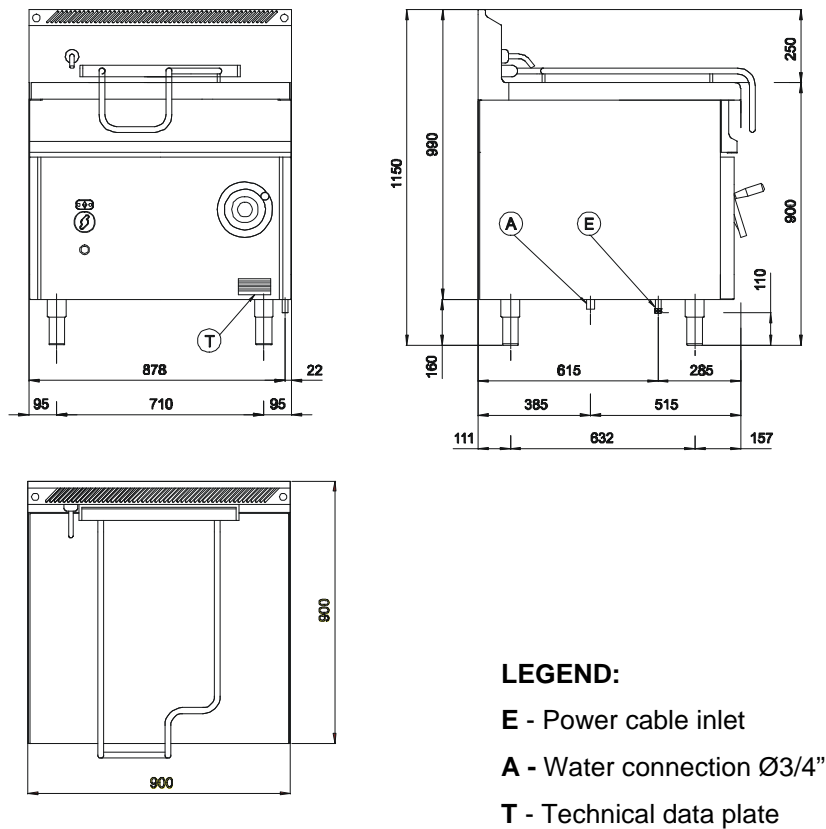
### FIGURE 2 - CONTROL KNOB



## FIGURE 3 - LEVEL INDICATOR



## 11 - HOOK-UP DIAGRAMS

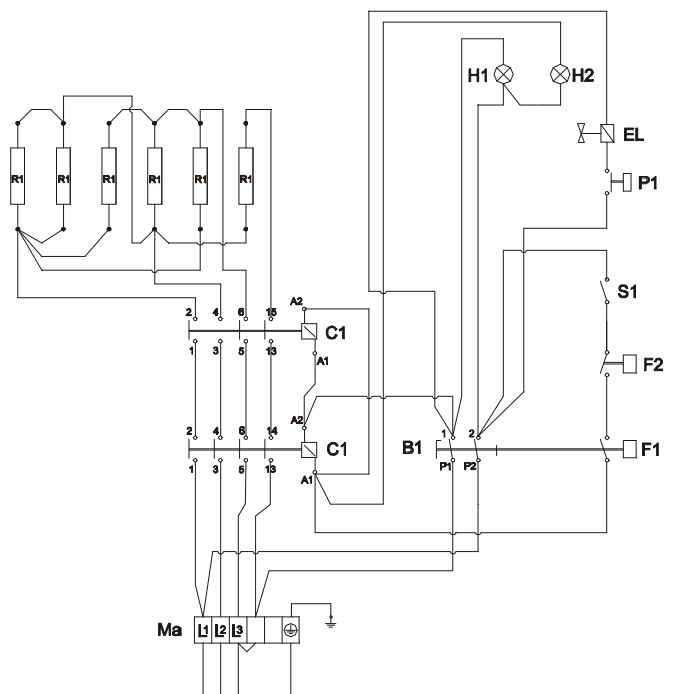
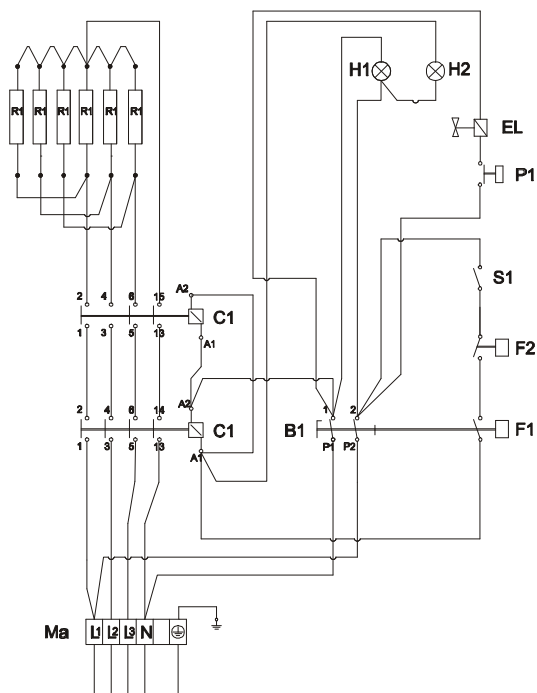


## 12 - WIRING DIAGRAM

### LEGEND:

- B1** General switch
- C1** Electromagnetic switch
- EL** Solenoid valve
- F1** Thermostat
- F2** Safety thermostat
- H1** Green signal lamp
- H2** Orange signal lamp
- Ma** Junction block
- P1** Button for solenoid valve
- R1** Heating element
- S1** Microswitch

**3/N/PE AC400V**  
Power rating 9100W – 400V – 13.1A



**3/PE AC230V**  
Power rating 9100W – 230V – 22.8A