



ELECTRIC OVEN

MODEL

SPM-30, SPM-48, SPE-50, SPE-62

These appliances comply with requirements of E.E.C 73/23/CCE EN60335-1 & EN60335-2-36

SOTIRIOS D. PRODANAS & CO

PROFESSIONAL ELECTRIC & GAS MACHINES FOR RESTAURANTS-PATISseries-SNACK BAR

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ELECTRIC OVEN (PICCOLO LINE)

SPM-30, SPM-48, SPE-50, SPE-62

SPECIFICATIONS

The tables below refer to the specifications of PICCOLO LINE.

MODEL	EXTREternal DIMENSIONS	CHAMBER'S DIMENSIONS	DEC	TYPE
	LxWxH (mm)	LxWxH (mm)		
SPM-30	590 x 590 x 250	360 x 360 x 075	1	Manual
SPM-48	590 x 590 x 405	360 x 360 x 075 x 2	2	Manual
SPE-50	590 x 590 x 250	360 x 360 x 075	1	Electronic
SPE-62	590 x 590 x 405	360 x 360 x 075 x 2	2	Electronic
CAPA-3	590 x 600 x 100	-----		

Electrical Supply

230V AC 50Hz

IP Grating

IP 20

Appliance's Safety

Complies to **EN 60335-1** requirements.

Power

MODEL

SPM-30

SPM-45

SPE-50

SPE-62

CAPA-3

POWER IN TOTAL

2.000 Watt

3.000 Watt

2.000 Watt

3.000 Watt

14 Watt

Main Parts

- AISI 430 stainless steel body.
- Heat insulating door handle.
- Fire resistant grill plate.

Electricla Components

- Wire heating elements 1.000 Watt.
- Manual operation thermostats 400°C for SPM-30 & SPM-48.
- Electronic operation thermostat 450°C for SPE-50, SPE-62
- General operation switch
- Dielectric switch of one fo heating element (bottom)
- Manual operation timer (SPM-30 & SPM-48)
- Electronic operation timer 15min (SPE-50 & SPE-62)
- Switch to restart time (SPE-50 & SPE-62)
- Indicating lamp for thermostat (SPM-30 & SPM-48)
- Indicating lamp of timer (SPM-30 & SPM-48)
- Time bipper (SPM-30 & SPM-48)
- Terminal's fasteners
- Gland for supply cord.
- Earth terminal.
- Potential equivalent terminal, marked P.A.
- Connector strip polyamide for supply cord.

1. GENERAL INFORMATION

- ⇒ This technical manual includes instructions for the installation, operation, care and maintenance of ovens PICCOLO Line manufactured by **NORTH**. Please, read carefully and keep it for future reference. This manual should be referred to both by installing or service technicians and the operators of the equipment.
- ⇒ After you remove the packing make sure that no damage was caused during shipping. If in doubt, we recommend that an authorized technician examine the appliance before you proceed with the installation.
- ⇒ The appliance requires electrical connection. Before proceeding, make sure that main voltage meet the requirements of the appliance. This information is available on a label, on the right side of the appliance, as you face it. **In case of incongruence or if in doubt, do not connect the apparatus. Ask for the equipment to be checked by specialized personnel.**
- ⇒ **NORTH** ovens equipment are commercial grade appliances and should, therefor, be used by personnel who are specially trained in their use.
- ⇒ Exclusively specialized technicians according to specifications valid in the country where installation is taking place must carry out all procedures concerning installation and connection of the appliance.
- ⇒ Before any routine cleaning, disconnect from electricity mains. The same procedure must be followed in case of malfunction of the appliance, while waiting for the service technician.
- ⇒ Authorized personnel using original spare parts only must exclusively carry out any repairs.
- ⇒ The manufacturer cannot be held responsible for damage caused to persons, animals or property due to misuse, tampering, unauthorized modification, or uses other than ones mentioned and / or considered in this manual.

2. TECHNICAL INSTRUCTIONS

INSTALLATION AND SERVICE INSTRUCTIONS

NORTH OVENS ARE PROFESSIONAL EQUIPMENT.
ALL ASSEMBLY AND CONNECTION PROCEDURES,
TESTING AND REQUIRED REPAIRS
MUST BE CARRIED OUT
BY SPECIALIZED AND AUTHORIZED PERSONNEL ONLY.

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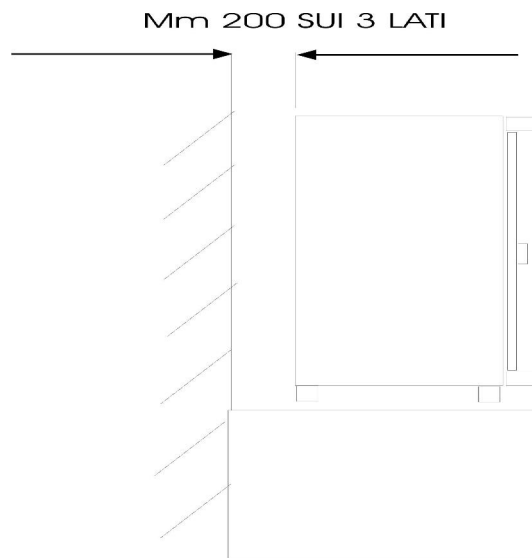
NORTH ENTERPRISES CANNOT BE HELD RESPONSIBLE
FOR ANY NEGATIVE CONSEQUENCES IN CASE OF
INTERVENTIONS BY NON-SPECIALIZED TECHNICAL PERSONNEL
OR DUE TO NONCOMPLIANCE WITH FACTORY INSTRUCTIONS.

2.1 INSTALLATION OF THE APPLIANCE.....

After making sure the appliance is intact, place it in position so that it is stable and there is adequate operating space around it.

Attention ! To avoid accidents, keep all packing materials (cardboard, plastic bags, metal items, etc) away from children.

Important ! Install the oven on a flat non-flammable surface, away from flammable walls.



2.2 ELECTRICAL CONNECTION.....

Connect cord to socket.

Electric fuse board is obligated to have leak relay

IT IS STRONGLY RECOMMENDED TO USE A QUALIFIED ELECTRICIAN FOR ALL ELECTRICAL CONNECTIONS.

THE MANUFACTURER CANNOT BE HELD RESPONSIBLE FOR ACCIDENTS AND DAMAGE CAUSED TO PERSONS, ANIMALS OR PROPERTY DUE TO NONCOMPLIANCE WITH THESE INSTRUCTIONS.

2.3 POSSIBLE PROBLEM.....

Even if the appliance is used correctly, some problems may arise for various reasons. The table that follows mentions some possible problems and some possible causes.

In case of problem, we control first if the electrical supply to the machine is right or not.

POSSIBLE PROBLEM	POSSIBLE CAUSES
Machine is not operating	Check if there is damage to 1) all heating elements 2) the edge of cord connected with the heating element 3) electrical supply
Heating element is not operating	Check if there is damage to 1) the heating element 2) the edge of cord connected with heating element 3) the thermostat

2.4 REPLACEMENT OF ELECTRICAL ELEMENTS.....

To replace the thermostat, indicating lamp, general switch, on/off switch of the heating element upper heating element, timer and bipper unscrew the 2 screws from the front side of the control panel. Pull out the operation knobs and the control panel and we change damaged part. Replace the control panel and the operation knob, screw the screws and start to operate the machine again.

To replace the heating elements unscrew the 4 screws at the back side of the appliance disconnect the heating element from the inside of the oven pull out the heating element and do the replacement.

CUT OFF THE POWER SUPPLY BEFORE COVER REMOVAL.

2.5 TRAINING.....

The personnel who are to install and connect the appliance must train the users appropriately so that they can handle the operation and safety measures of the appliance.

ATTENTION !!!

- Check that main voltage in your working area is suitable for the settings on the label and that the appliance is properly earthed.
- Before any service activity takes place or any parts are replaced on the appliance, make sure that power supply is turned off.

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3. OPERATION INSTRUCTIONS

INSTRUCTIONS TO PERSONNEL FOR OPERATION AND CARE OF OVENS PICCOLO

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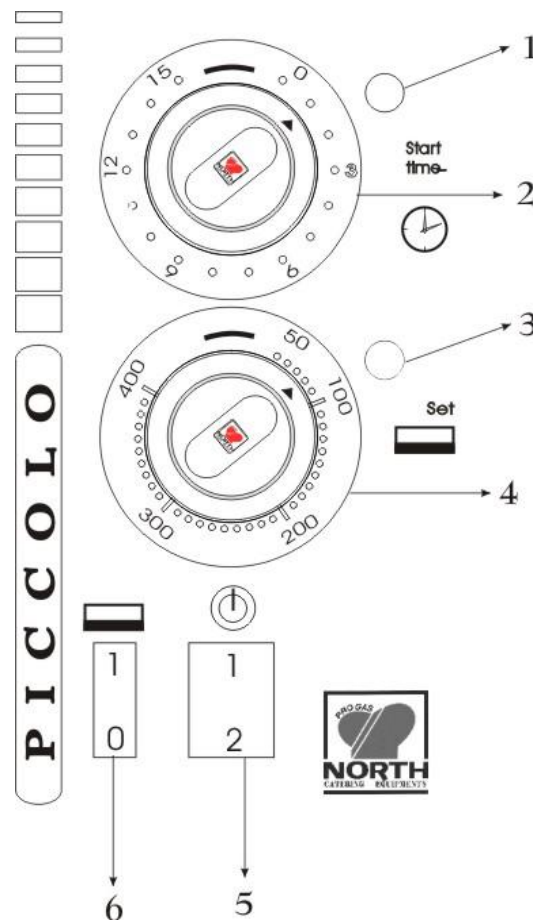
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3.1 TURNING ON THE APPLIANCE

MODEL SPM-30 & SPM-48

After making sure the appliance has been connect correctly, to electricity, you can start using it.

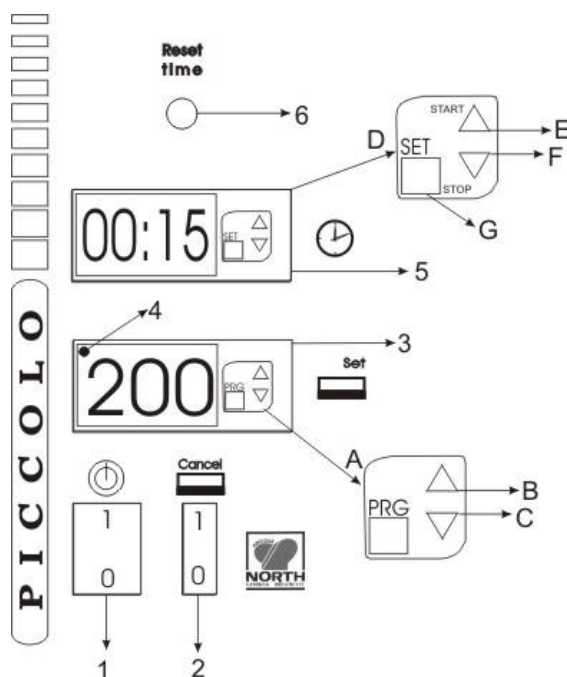
- Switch on the general switch (table 1 – No5)
- The thermostats controls the function of the heating element . Depending on the heating requirements set the thermostat 60-400°C (table 1 – No4).
- During operation, indicating lamp is on. Indicating lamp, switch of as soon as oven has the temperature that we set on thermostat. (table 1 – No3)
- The down on/off switch cuts out the operation of the heating element at the bottom of the appliance. (table 1-No6)
- Set the backing time (table1-No2). Indicating lamp is on and bipper is going to activate, as soon as setting backing time is up. (table 1-No1).
- Timer is not influencing the operation of the appliance.



MODEL SPE-50 & SPE-62

After making sure the appliance has been connect correctly, to electricity, you can start using it.

- Switch on the general switch (table 2 – No1)
- The thermostats, controls the function of the heating element. Depending on the heating requirements set the thermostat 60-450°C. Press the ticks **B** to increase the temperature or press the ticks **C** to decrease the temperature (table 2 – NoA).
- During operation, indicating lamp is on. Indicating lamp, switch of as soon as oven has the temperature that we set on thermostat. (table 2 – No4)
- The down on/off switch cuts out the operation of the heating element at the bottom of the appliance. (table 2-No2)
- Set the backing time (table2-No5). Press the key **SET** (table 2-G) pressing the ticks **F** decrease the backing time (table 2-F) and pressing the ticks **E** increase the backing time (table 2-E). Bipper is going to activate, as soon as setting backing time is up. (table 1-No1).
- Timer is not influencing the operation of the appliance.
- You can restart the backing time by pressing the key **RESET TIME**. (table 2-No6)



3.2 CLEANING AND MAINTENANCE.....

Turn off the heating elements before any cleaning or maintenance procedures. Let the appliance cool and make sure it has been unplugged from the main supply.

Never use running water to clean the appliance.