THIS MANUAL IS PART OF THE PRODUCT. READ IT CAREFULLY IN ORDER TO USE AND MAINTAIN THE EQUIPMENT CORRECTLY.
IT IS IMPORTANT TO KEEP IT FOR FUTURE TROUBLESHOOTING AND REFERENCE.

WARNING

This machine is intended for use in domestic and similar applications such as kitchen areas for staff in stores, offices and other work environments, rural accommodation and hotels, motels and other residential-type environments, bed and breakfast environments, catering services and similar non-retail applications.

The installation of this equipment should be done by the Technical Assistance Service department.

The socket should always be placed on an accessible location.

When positioning the appliance, ensure that the power cable is not trapped or damaged.

Do not place multiple portable socket outlets or portable power sources in the rear of the appliance

ALWAYS disconnect the power supply from the machine BEFORE any cleaning or maintenance service.

Any change needed on the electrical installation for the appropriate connection of the machine, should be exclusively performed by qualified and certified professional personnel only.

Any use by the ice maker not intended to produce ice, using drinking water, is considered inappropriate.

It is extremely dangerous to modify or intend to modify this machine and shall make any type warranty void.

This device is not intended for use by persons (including children) whose physical, sensory or mental capacities are limited, or who lack sufficient experience or knowledge, unless they are acting under the supervision of or have received instruction regarding proper use of the device from a person responsible for their safety. Children should be supervised to ensure they do not play with the device.

Children should be monitored to assure that they should not play near the equipment.

This machine is not intended to be used outdoors nor exposed to the rain.

Connect the equipment to the drinking water network. See section 3 of this manual.

The machine should be connected using the power cable supplied with the equipment. The connection is not intended for fixed cabling.

This appliance uses flammable refrigerant (propane), stored in the unit's refrigeration circuit.
For this reason, the following precautions should be followed:

- Maintain without obstruction the openings intended for ventilation of the enclosure of the appliance or of the recess.
- Do not use mechanical devices or other means to accelerate defrosting, using only those recommended by the manufacturer.
- Do not damage the refrigeration circuit.
- Do not use electrical devices inside the food compartments unless they have been approved by the manufacturer.
- Explosive substances, such as aerosols with flammable propellant, should not be stored in this machine.

In case of refrigerant leakage:

- Do not generate any flame in the vicinity of the appliance.
- Do not operate on/off switches or plug/unplug power cables in the vicinity of the appliance.
- Do not use a direct flame.
- Ventilate the area around the appliance immediately by opening doors and windows.
- Notify an authorized service technician.

IT IS MANDATORY TO GROUND THE EQUIPMENT
To avoid possible discharges on individuals or damages to the equipment, the machine should be grounded pursuant local and/or national regulations as the case may be.
THE MANUFACTURER SHALL BE HELD HARMLESS IN CASE OF DAMAGES ARISING DUE TO THE LACK OF THE GROUND INSTALLATION.
SEE SECTION 4 OF THIS MANUAL

In order to assure the proper operation and efficiency of this equipment, it is of paramount importance to follow the recommendations of the manufacturer, SPECIALLY THOSE RELATED TO CLEANING AND MAINTENANCE OPERATIONS, which should be performed mostly by qualified personnel only.

CAUTION:

Do not try to perform repairs. The intervention of non-qualified personnel, besides of being dangerous, could result in serious malfunctioning. In case of damages, contact your distributor. We recommend to always use original replacement and spare parts.
Perform all discharge and recovery of materials or waste according the national regulations in force.

RECEPTION OF THE MACHINE

Inspect the outside packing. In case of damages, MAKE THE CORRESPONDING CLAIM TO THE CARRIER.
To confirm the existence of damages, UNPACK THE MACHINE IN THE PRESENCE OF THE CARRIER and state any damage on the equipment on the reception document, or on a separate instrument. As from May 1, 1998 complies with the European regulations on management of packing and packing waste, inserting the "*Green Dot Label*" on all their packages.
Always state the machine number and model. This number is printed on three locations:

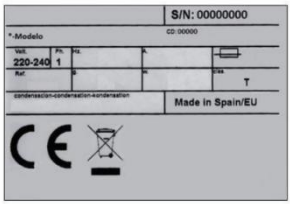
Packing

On the outside, it contains a label with the manufacturing number.



Exterior of the equipment

On the back of the equipment, there appears a label with the same characteristics as the previous one.



Nameplate

On the back of the machine.
Check that in interior of the machine the installation kit is complete and comprises:
Ice scraper, ¾ gas pipe, 22 mm (0.86 inches) discharge hose, two filters and manual.

CAUTION: *ALL PACKING ELEMENTS (plastic bags, carton boxes and wood pallets) SHOULD BE KEPT OUTSIDE THE REACH OF CHILDREN, AS THEY ARE A SOURCE OF POTENTIAL HAZARD.*

INSTALLATION

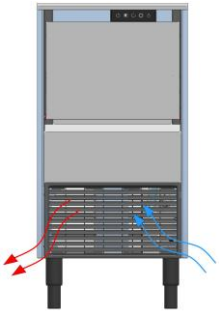
THIS ICE MAKER IS NOT DESIGNED FOR OUTDOOR OPERATION.
An incorrect installation of the equipment may cause damages to individuals, animals or other materials, being the manufacturer not responsible for such damages.

To avoid danger due to instability of the appliance, it must be fixed in accordance with the instructions.

ATTENTION: The machines are intended to operate with ambient temperatures between 10ºC (41ºF) and 43ºC (109.40ºF), and with water inlet temperatures between 5ºC (41ºF) and 35ºC (95ºF).

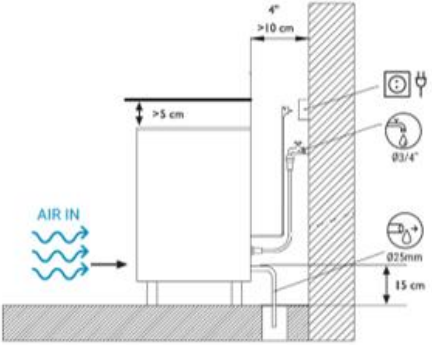
Below the minimum temperatures the gear motor will be overstressed. Above maximum temperatures the life of the compressor will be shortened and production will be considerably reduced.
Do not place anything on top of the maker or in front of the front grille.
In case the front louver is not enough, the exit is either total or partially obstructed or due to its placement it will receive hot air from another device, we recommend, in case it is not

possible to change the location of the machine, TO INSTALL A WATER COOLED UNIT. IT IS IMPORTANT THAT THE WATER PIPING DO NOT PASS BY OR NEAR SOURCES OF HEAT SO AS NOT TO LOSE ICE PRODUCTION.

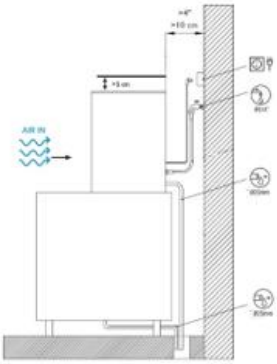


In R290 units under the counter, the passage of air can be in front. The unit can work recessed with a loss of production.

THREAD THE SUPPORT LEGS TO THE BASE OF THE MACHINE ON THE HOUSING SET TO SUCH END AND REGULATE THE HEIGHT AS TO HAVE THE EQUIPMENT PERFECTLY LEVELED.



Undercounter

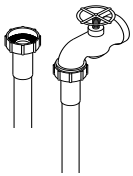


Modular



1. WATER AND DRAINAGE

Water quality has a remarkable influence on the appearance, hardness and flavor of the ice as well as, on the machines condensated by water, on the life of the condenser.

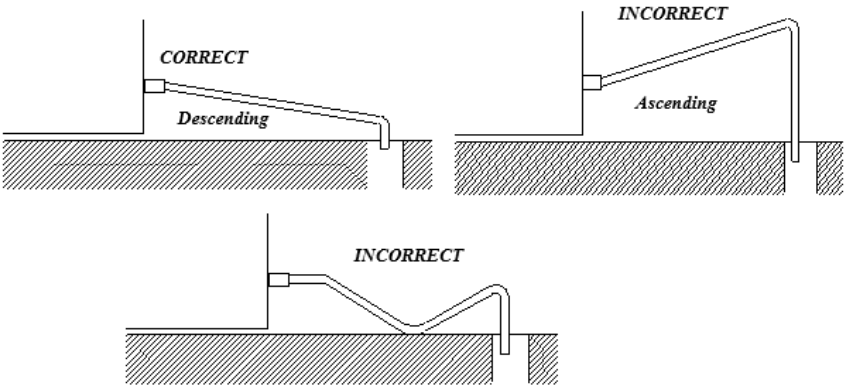


2. CONNECTIONS TO THE WATER NETWORK

Use a flexible pipe (1.3 m – 4.27 feet length) with the two filter joints supplied with the machine. Arrange the necessary appliances according to regulations or current norms to prevent water return to the network. Pressure should be established between 0.1 MPa and 0.6 MPa (1-6 BAR). If pressures overpass such values, install the necessary corrective devices.

3. CONNECTION TO DRAINAGE

Drainage should be located lower to the machine level, at 150 mm (5.91 inches) minimum. It is convenient that the drainage pipe is of 30 mm (1.18 in) of interior diameter and with a minimum gradient of 3 cm (1.18 in) per meter (see figure).



4. ELECTRICAL CONNECTION

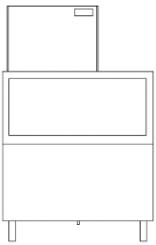
IT IS MANDATORY TO GROUND THE EQUIPMENT
To avoid possible discharges on individuals or damages to the equipment, the machine should be grounded pursuant local and/or national regulations as the case may be.
THE MANUFACTURER SHALL BE HELD HARMLESS IN CASE OF DAMAGES ARISING DUE TO THE LACK OF THE GROUND INSTALLATION.

- The positioning of the device must ensure that the power connection is not damaged or pinched.
- Do not install multiple portable power outlet strips or other portable power supplies in back of the device.
- The machine is supplied with a 1.5 m (4.92 feet) cable of length. In case the supply cable

is damaged, it should be replaced by a cable of special assembly to be furnished by the manufacturer or post-sale service. Such replacement should be performed by qualified technical service only.
The machine should be places in such a way as to allow a minimum space between the back and the wall to allow an easy access and without risks to the cable jack.
Safeguard the base of the jack.
It is advisable to install a power switch and the appropriate electrical safety devices in accordance with local and/or national regulations in each case.

Voltage and tension are indicated in the nameplate and on the technical specifications of this manual. Variation on voltage above the 10% stated on the nameplate could result on damages or prevent the machine start-up.

5. INSTALLATION OF MODULAR EQUIPMENT ON TANKS OR SILOS.



Modular machines must be installed on tanks or silos, following the instructions in this manual.
The strength and stability of the container-machine/s assembly must be checked, as well as the fixing of the elements.

6. GENERAL ON/OFF SWITCH

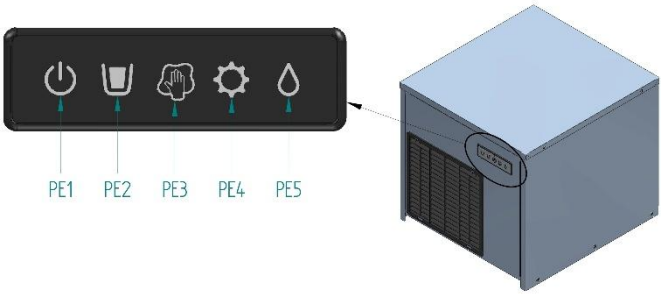


The machines shall have an on/off switch.
In the modular machines it is located at the rear, whereas in the undercounter machines it can be found on the inside of the stock tank.
We can manipulate the switch by opening the door and with the hand accessing the upper left part of the inside of the machine.

Before manipulating inside the machine, it is necessary to disconnect it from the mains.

7. CONTROL PANEL

The external panel is located on the front of the machine, in the upper left corner, and has 5 buttons.



7.1 PE1.- ON/OFF BUTTON

When turning on the machine from the switch, PE1 will be lit red, which means, that the machine will be in standby state. When the PE1 button is pressed, it will switch to the timer status and the LED will flash blue. After the timer period has elapsed, the LED will remain solid blue and the machine will start operating. If an alarm is detected in the machine, pressing and holding the button for more than 3 seconds restarts the machine.

7.2 PE2.- BIN FULL

This LED will light up when the machine has stopped when the magazine is full.

7.3 PE3.- MAINTENANCE ALARM

This LED will light up when the machine needs to perform a cleaning cycle.

7.4 PE4.- INTERNAL FAULT ALARM

This LED will remain lit when an internal fault has occurred in the machine.

7.5 PE4.- WATER SUPPLY FAILURE ALARM

This LED indicates that there is no water supply and therefore the machine is stopped as it is unable to make ice. Once the supply is re-established the machine will start working again.

START-UP

Previous Checkup

a) Is the machine leveled?
b) Voltage and frequency are the same as those on the nameplate?
c) Are the discharges connected and operating?
d) ** If air condensed: Is the air circulation and its temperature appropriate?

	ROOM	WATER
MAXIMUM	43ºC (109.40ºF)	35ºC (95ºF)
MINIMUM	5ºC (43ºF)	5ºC (35ºF)

** Is water pressure appropriate?

MINIMUM	0.1 MPa (1 Bar)
MAXIMUM	0.6 MPa (6 Bar)

NOTE: In case input water pressure is higher that 0,6 MPa (6 Bar) install a pressure reducer.
THE FAUCETCONNECTION PRESSURE SHOULD NEVER BE REDUCED.

START-UP

Once the installation instructions have been followed (ventilation, room conditions, temperatures, water quality, etc.), proceed as follows:

1. Connect to the mains water supply. Open the water tap and check that there are no leaks.
2. Connect the machine to the mains. Turn the switch "ON".
3. The button on the control panel, PE1,  must be lit red, when pressed, it will flash blue for 10 minutes. 4. After the 10 minutes timer has elapsed, the machine will start and PE1 will remain with a steady blue light.
5. Check that nothing is rubbing or vibrating.
6. Check that it produces ice correctly. *It is normal for a little water to fall instead of ice in the first few moments.
7. Check that there is no alarm on the control panel. If so, restart the machine. If the problem persists, call the technical service.

CAUTION:
INSTRUCT THE USER ABOUT MAINTENANCE, INFORMING THAT
MAINTENANCE AND CLEANING OPERATION AS WELL AS DAMAGES DUE TO THE LACK OF SUCH OPERATIONS: *ARE NOT INCLUDED ON THE WARRANTY.*

MAINTENANCE AND CLEANING INSTRUCTIONS

CAUTION: Maintenance and cleaning operations and damages as the lack of those activities: Are not included on the warranty.
If a good maintenance is performed, the machine will continue producing a good quality ice and will be free of damages.
Maintenance and cleaning intervals will depend on the conditions of the location and water quality.

CAUTION: At least, one revision and cleaning should be performed every six months.
On dusty environments, it might be necessary to clean the condenser on a monthly basis.

MAINTENANCE AND CLEANING PROCEDURES

NOTE: For cleaning and maintenance: ensure that the machine is disconnected from electrical supply, except when cleaning the production bin.

1. Water condenser

To be carried out by a qualified technician. Included in the technical manual.

2. Air Condenser

1) Disconnect the machine.
2) Disconnect the water inlet or close the faucet.
3) Clean the louvered area with the help of an aspirator with a brush, non-metallic brush or low-pressure air.

3. Cleaning the ice bin and exterior.

1) Disconnect the machine, switch off the water supply and empty the ice bin.
2) Clean with a soft kitchen cloth, plenty of water and a mild detergent.

4. Collectors and Nozzles cleaning

To be carried out by a qualified technician. Included in the technical manual.

5. Cleaning of the Inlet filters

They are easily obstructed during the first days of operation, MAINLY WITH NEW PIPING INSTALLATIONS.
Loose the hose and clean it under water.

6. Water Leak Control

When working on the machine, always check the water connections, status of the clamps and hoses with the purpose of avoiding leakages and prevent damages or floods. Loosen the hose and clean under running water.

WATER QUALITY & WARRANTY

In areas with water hardness outside the range of 15ºF to 40ºF, water filters or descaling systems are required to protect the ice machine. The Warranty will cease to exist if the mentioned protective measures haven't been applied where needed.