

USER MANUAL



15P NUGGET VEGA

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1. INTRODUCTION

1.1 WARNINGS

- This appliance is intended to be used in household and similar applications such as: staff kitchen areas in shops, offices and other working environments; farmhouses and by clients in hotels, motels and other residential type environments; bed and breakfast type environment; catering 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 of 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 to potable water supply only. See section 3 of this manual.
- This machine must be grounded to prevent possible discharges on persons or damage to the equipment. The machine must be grounded according to local and/or national regulations and regulations in each case. The manufacturer will not be responsible for the damage caused by the lack of grounding of the installation.
- To guarantee the efficiency of this machine and its correct operation, it is essential to adhere to the manufacturer's instructions, especially as regards maintenance and cleaning operations, which must only be carried out by qualified personnel.
- This equipment must be installed with adequate return flow protection to comply with federal, state and local codes that are applicable.

ATTENTION: *The intervention of unskilled people, besides being dangerous, can cause serious damage. In case of a breakdown, contact your distributor. We recommend always using original spare parts.*

The company reserves the right to make changes in specifications and design without prior notice.

REMEMBER THAT MAINTENANCE AND CLEANING OPERATIONS ARE NOT INCLUDED IN THE WARRANTY AND THEREFORE, WILL BE INVOICED BY THE INSTALLER.



This signal indicates "Risk of fire / Flammable materials" because of the use of flammable refrigerant.

For compression-type appliances that use flammable refrigerants should additionally consider the substance of the warnings listed below:

- Keep ventilation openings, in the appliance enclosure or in the built-in structure, clear of obstruction.
- Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.
- Do not damage the refrigerant circuit.

- Do not use electrical appliances inside the food storage compartments of the appliance, unless they are of the type recommended by the manufacturer.
- Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.

In case of refrigerant leakage:

- Do not generate flames close to the appliance.
- Do not switch on/off or plug in/off the appliance.
- To ventilate immediately the area where appliance is located by opening doors and/or windows.
- To call to an authorized technical service.

2. RECEIVING 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:

2.1.- PACKAGING

There is an exterior label with the manufacturing number. (Figure I)

2.2.- EXTERIOR OF THE EQUIPMENT

Located on the back of the unit, the same label as before.



Figure I

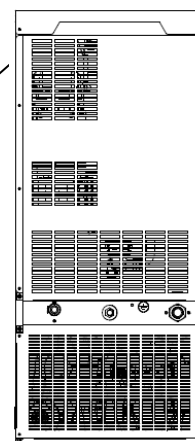
2.3.- DETAILS PLATE

Located on the back of the machine. (Figure II)

Check that the installation kit with the machine includes

- Manual.
- Warranty label indicating serial number.

Figure II



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

3. 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.

3.1.- SITE CONDITIONS

ATTENTION:

The IQN machines are designed to operate at ambient temperatures between 10°C (50°F) and 43°C (109.40°F). Below the minimum temperatures, the gear motor is forced excessively. Above the maximum, compressor life is shortened and production decreases considerably.

Airflow on compact air-cooled machines enters through the front grille, entering the right front, and exiting the left front and rear. In addition, the unit is equipped with a rear ventilation grill. Do not obstruct the front grill with any object.

Do not place anything on the machine or in front of the grille.

For condensed air machines (Figure III), if the front air intake is insufficient, the exit is totally or partially obstructed, or if by its placement it is going to receive hot air from another device, we strongly advise, in case of not being able to change the site of the machine, INSTALL A WATER CONDENSER.

IT IS IMPORTANT THAT THE WATER PIPES DO NOT PASS NEAR HEAT SOURCES SO AS NOT TO LOSE ICE PRODUCTION.

Screw the leveling feet into the bottom of the ice maker as far as they will go. Place the machine in its final position. Adjust each leg as necessary to level the ice maker from front to back and side to side.

The location should allow sufficient clearance for water drainage and electrical connections at the rear of the ice machine.

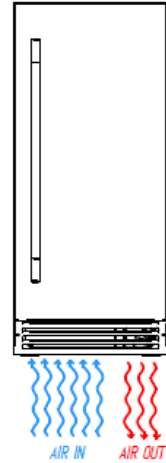
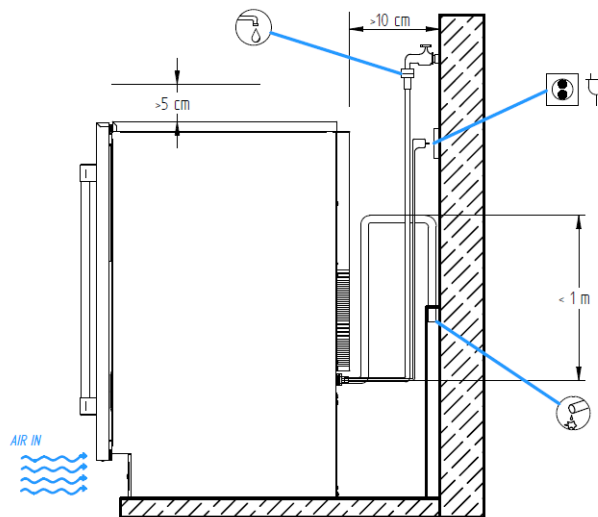


Figure III



3.2.- CONNECTIONS TO THE WATER NETWORK

The water quality has a significant effect on the appearance, density and taste of the ice, and will affect the life expectancy of a water condenser, if used.

Use the 3/8 FPT connection. The water connection needs to be dedicated (only piece of equipment hooked to the water line). Water line from the water valve to the ice machine needs to be 1/4" nominal ID tubing.

The pressure must be between 0.1MPa and 0.6MPa (1 and 6 bar). If the pressure exceeds these values, install a pressure regulator.

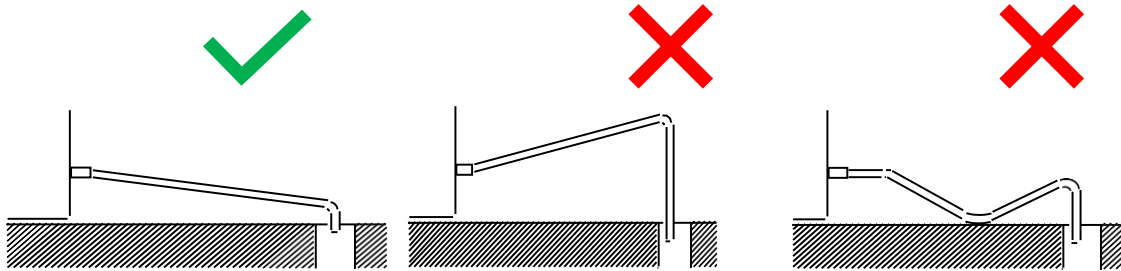
In order to comply with the federal, state and local regulations the machine must be connected with a proper backflow protection.

3.3.- CONNECTION TO DRAINAGE

Use the 3/4 FPT connection.

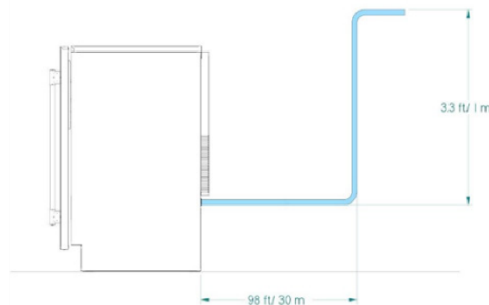
Drainage should be located lower to the machine level, at 150 mm (5.91 inches) minimum.

It is convenient that the drainage pipe is of 25 mm (1.") of interior diameter and with a minimum gradient of 3 cm (1.18 in) per meter (see figure).

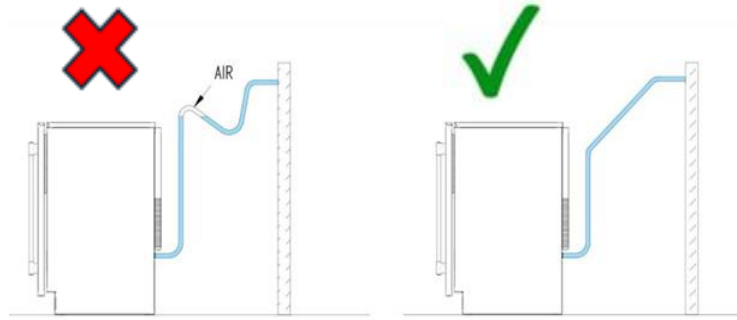


DRAIN CONNECTION BY PUMP

The pump drain version allows a machine installation in which the drain can be located 30 meters horizontally and 1.5 meters high from the machine's water outlet.



If the drain pipe runs incorrectly, the pump may not be able to evacuate the water, since the pump flow rate may be influenced by the existence of air stored within the circuit.



3.4.-

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

At the back of the machine there is a junction box for electrical service connexion.

The machine should be placed 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 junction box.

It is advisable to install a power switch and the appropriate electrical safety devices in accordance with local, state and/or national regulations in each case.

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

ATTENTION: The appliance requires an independent power supply of proper capacity. See the nameplate for electrical specifications. Failure to use an independent power supply of proper capacity can result in a tripped breaker, blown fuse, damage to existing wiring, or component failure. This could lead to heat generation or fire.

4. CONTROL PANEL

The outer panel is located at the front of the machine, in the upper right corner and has 5 buttons

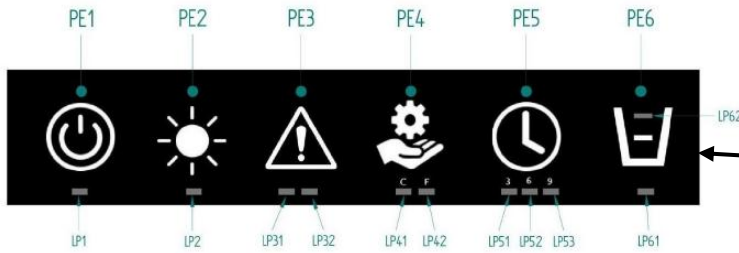


Figure V

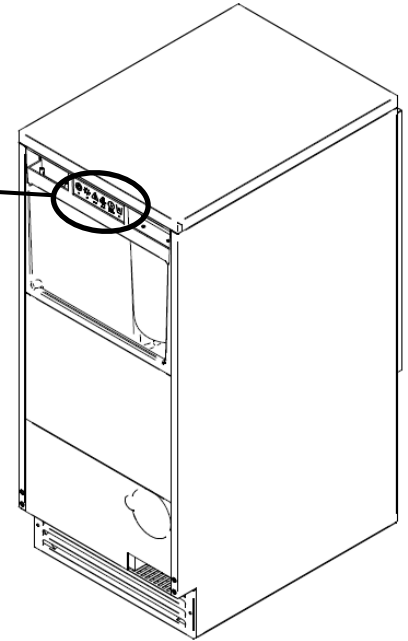


Figure VI

4.1. PE1.- ON/OFF BUTTON

When plug the machine into the power supply, PE1 will be red, which means that the machine will be in the stand by mode. Pressing the PE1 button will enter the timing state and the LED will light up with a flashing blue. After the time period elapses, the LED will remain steady blue and the machine will start to work. If an alarm is detected in the machine, press the button for more than 3 seconds and the machine will restart.

4.2. PE2.- ON/OFF INTERNAL LIGHT

This LED indicates the status of the interior light when the door is opened. White LED ON indicates the light turns on when open the door. White LED OFF indicates the interior light remains off when open the door.

4.3. PE3.- ALARMS

This red LED will remain on when an internal fault has occurred in the machine, or a blockage has occurred in the outlet. With this alarm, the machine will remain stopped.

4.4. PE4.-MAINTENANCE ALARM

This red LED can indicate three situations:

- LP41 ON/LP42 OFF: cleaning cycle and condenser cleaning.
- LP41 OFF/LP42 ON: filter replacement.
- LP41/LP42 ON: cleaning cycle, condenser cleaning and filter replacement.

4.5. PE5.- PROGRAMING

This white LED indicates machine startup programming. Can be programmed to start making ice three, six, or nine hours after it is turned on.

4.5. PE6.- STOCK

This white LED indicates stock mode. If the LP62 LED does not light up, the machine stops when the stock level reaches 50%. If the LP62 LED lights up, the machine stops when the stock level reaches 100%. To configure the stock level, short press PE6.

5. START UP

5.1. PREVIOUS CHECKUP

- Is the machine leveled?
- Voltage and frequency are the same as those on the nameplate?
- Are the discharges connected and operating?
- Is the air circulation and its temperature appropriate?

	ROOM	WATER
MAXIMUM	43°C / 109.4°F	35°C / 95°F
MINIMUM	10°C / 50° F	5°C / 41°F

** Is water pressure appropriate?

MINIMUM	0.1 MPa (14.5 psig / 1 bar)
MAXIMUM	0.6 MPa (87 psig / 6 bar)

- The conductivity of the water must be at least 10 microSiemens

NOTE: In case input water pressure is higher than 0,6 MPa (87 psig / 6 bar) install a pressure reducer. THE FAUCET CONNECTION PRESSURE SHOULD NEVER BE REDUCED.

5.2. STARTING UP THE MACHINE

- Connect to drinking water network. Open the water stopcock and check that there are no leaks.
- Connect the machine to the electricity network.
- The button on the control panel, PE1 (see Figure VI), must be lit red, when pressed, it will stay with a blue light flashing for 10 min.
- After 10 minutes of the timer, the machine will start up and PE1 will remain with a steady blue light.
- Check that there is no element that rubs or vibrates.
- Check that it produces ice correctly. *It is normal that in the first instants a little water will drop instead of ice*.
- Check that there is no alarm glowing on the control panel. In such case, restart the machine. If the problem persists, call the technical service.

6. MAINTENANCE AND CLEANING INSTRUCTIONS



Warning

You must wear rubber gloves and safety goggles when handling the cleaner or Sanitizer for the ice machine.
 All ice that will be made during this procedure is not suitable for human consumption, so it must be melted or discarded.
 Maintenance procedures described in this manual are not covered by the warranty

6.1. CLEANING THE CONDENSER

Clean the condenser every 30 days for optimal performance.

- If the unit is on, turn off using the power button . The button will light up red.
- Remove the front grill.

3. Using a soft-bristle brush or brush attachment on a vacuum, remove all dust and debris from the condenser.
4. Verify no fins are damaged or bent. Use a condenser comb to correct if any fins are damaged or bent.

6.2 SCALE REMOVING PROCEDURE

Cleaning Solution: Prepare a solution of an appropriate product for the ice machines cleaning. Do not use hydrochloric acid. We recommend the use of ScaleKleen (Everpure). We recommend preparing a previous solution of 2.8 gallons (10 liters) according to the manufacturer's instructions (ScaleKleen) with the total quantity of product / water needed. 1.4 gallons (5 liters) destined to hand wash and 1.4 gallons (5 liters) destined to the water reservoir (D). Make more solution if necessary. *To have the maximum effectiveness of the solution, use it after dilution.*

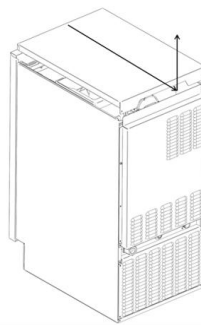
For this procedure, the user will need a screwdriver and a bucket to prepare the descaling solution. When the maintenance button  "C" is on, the machine needs to be cleaned with a descaling solution to remove the accumulated scale.

In this mode, the unit is used to clean the hydraulic circuit, where the user manually fills the water tank with a cleaning agent. Both the sensor and the drain pump will remain active throughout the entire procedure below.

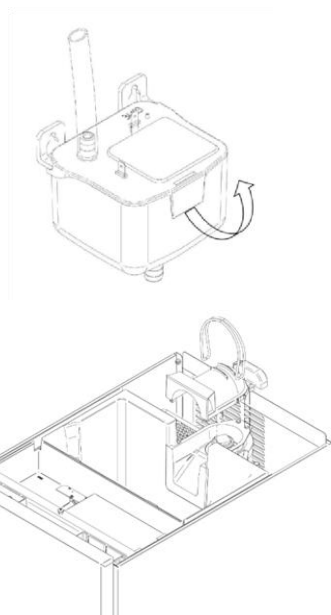
1. If the unit is on, turn it off using the power button . The button will light up red.
2. To active, press and hold the power button and maintenance  buttons on the display for 5 seconds.
3. Wait one minute and remove the water from the unit. Wait one minute and remove the water from the unit.

NOTE: During this time, the maintenance button  will flash.

4. Remove 2 Phillips screws on the back of the unit for the machine cover. Then slide the machine cover slightly back and lift off. See below.



5. During this 30 minute period, the user will fill the water tank with the proper descaling solution. The automatic cleaning of the circuit will then begin. During this time, the water level electrodes in the water tank and the ice outlet safety switch will not operate. This allows the user to remove the ice outlet cover for cleaning and to inspect the amount of accumulated scale. See images below.



6. The six icons on the display panel will light up dynamically from left to right and right to left. The compressor will remain off. During this time, the water inlet valve EW will not be activated. The user must reinstall both the water tank cover and the ice chute cover once the entire cleaning solution has been poured in.
7. After 30 minutes, the gear motor will stop, and automatic rising process will begin. Consequently, the water valve EW will perform three filling cycles until the LW level is detected: drain – fill – drain – fill – drain – fill. The indication will continue with the five dynamic icons.

NOTE: Remove the ice from bin after the cleaning cycle is complete.

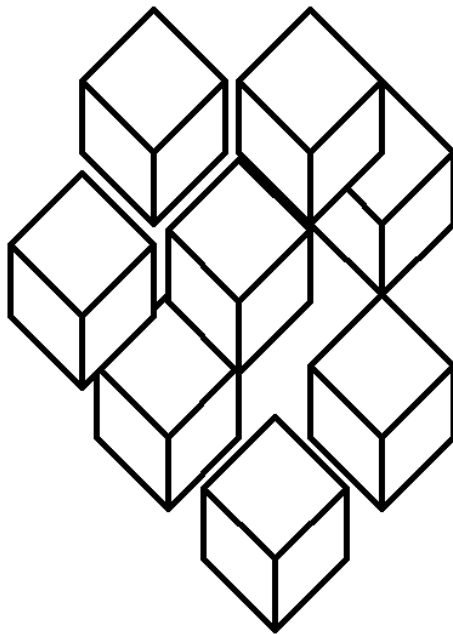
8. To reset the clean timer, press the maintenance button on the display, and it will begin to blink. A short press of the button will switch you from cleaning mode “C” or filter “F”. By pressing the button for 5 seconds, the internal clean counter will reset to 0. If both maintenance alerts are active, both errors will reset automatically.

9. Turn unit on with power button.

NOTE: To manually deactivate the scale removal procedure, press and hold the power button on the display for more than 7 seconds. This will switch the unit into standby mode.

6.3 REMOVING RESIDUES PROCEDURE

1. In order to make sure that there are no residues that could have remained in the machine, rinse the water tank lid (A) and the ice outlet Cover (C) with water and place these items in its respective position.
2. Also, rinse the fallen ice tube (E) with the brush and the inside of the ice storage bin.
3. Place the back panel and the top panel to its original position.
4. Then, allow the machine to operate for 30 minutes in the freeze cycle and melt or discard all the ice that will be made.



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