

# 4 MAGIC PRO 100 i-Green

 **Made in Italy**

EN INSTRUCTION BOOK

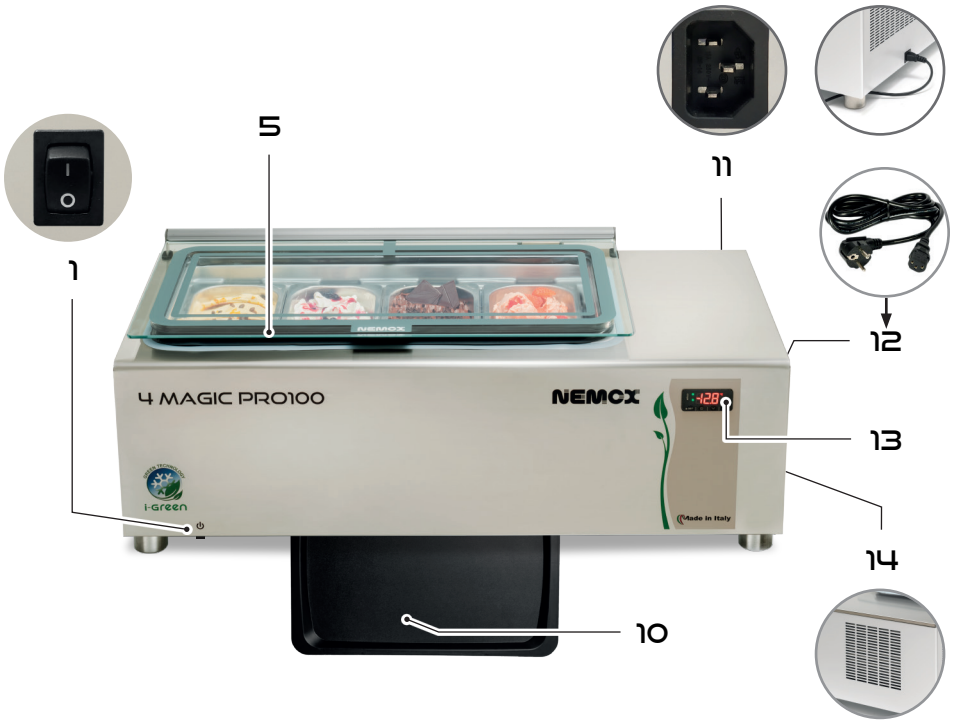


[www.nemox.com](http://www.nemox.com)

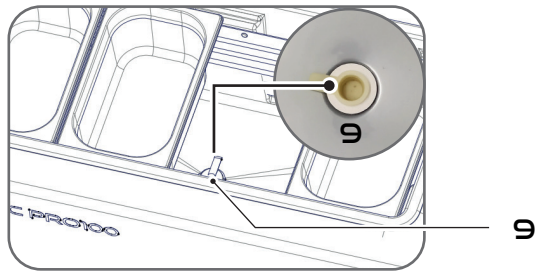
**NEMOX**<sup>®</sup>  
PROFESSIONAL CLASS



# 4 MAGIC PRO 100 i-GREEN



X4



## English

The environment thank you for choosing this new generation ecological ice cream storage unit produced in ITALY by Nemox International.

We are very proud of this new creation that adopts the best solutions for the environment. It reduces considerably the electricity consumption and at the same time it improves the operation efficiency.

Your machine uses refrigerant fluids such as propane (R290) which, compared to traditional gases, reduce the impact on greenhouse gas emissions by up to 99.95%!

Components manufactured with low energy consumption technology and materials recyclable at the end of their life are mainly used.

We thank you for your confidence in our company and people. We will do everything we can to make you fully satisfied with your choice.

### IMPORTANT:

Please keep the packaging of your machine. Should you need to return it for any reason, please provide to pack it preferably in its original packaging.

If the machine is delivered in a packaging that is not suitable for shipment, all repair costs will be charged to the shipper, even if the machine is under warranty.

If the machine returned proves not to be defective it will be returned to the sender and charged for control and shipping costs.


The receiver may as well reject shipment of appliance not properly packed.


**NEMOX**  
PROFESSIONAL CLASS

Via E. Mattei, 14 - 25026 - Pontevecchio - Italy  
TYPE: IG3

MODEL: PRO 100 I-GREEN  
220-240V~ 50-60Hz 1.3A

Refrigerant: R290 0.036kg  
Foaming agent : Co2  
Teq CO2: 0.0001  
Climatic class: 4  
RIF.: 003 C100250 Rxx  
S/N: XXXXXXXXXXXXX



**EAC**  **CE**  
MADE IN ITALY

A). Manufacturer address and trademark

B). Technical type and model of the appliance

C). Electrical data.

D). Refrigerant type and quantity

E). Foaming agent gas.

F). GWP (Global Warming Potential) of the gas filled in Tons of CO2

G). Climate class.

H). Reference code.

I). Serial number

# IMPORTANT SAFEGUARDS

When using electrical appliances, basic safety precautions should always be observed, including the following:

- Read all instructions carefully.
- To protect against risk of electric shock, do not put the main body of appliance in water or any other liquid.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

## **FOR EUROPEAN MARKETS ONLY**

- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance.
- Cleaning and user maintenance shall not be made by children without supervision.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similar qualified persons in order to avoid a hazard.
- Unplug from outlet when not in use, before putting on or taking off parts, and before cleaning.
- Avoid contact with moving parts.
- Do not operate any appliance with a damaged cord or plug, or after the appliance malfunctions, or is dropped or damaged in any manner. Return the appliance to an authorized Service Agent for examination, repair or electrical or mechanical adjustment.
- The use of attachments not recommended or sold by the appliance manufacturer may result in fire, electric shock or injury.
- Do not use outdoors.
- This appliance is intended to be used in household and similar applications such as:
  - Staff kitchen areas in shops, offices and other working environments;
  - Farm houses and by clients in hotels, motels and other residential type environments;
  - Bed and breakfast type environments;
  - Catering and similar non-retail applications,
- Do not let cord hang over edge of table or counter, or touch hot surfaces.
- The plug must be accessible after positioning the appliance in the place of installation.
- The plug must be in a position always visible to the operator performing the intervention during maintenance operations.
- An authorized service representative should perform any servicing other than

cleaning and user maintenance. Authorized service personnel only should do repair.

- After removing the appliance from the packaging, check it for damage. If in doubt, do not use the appliance and contact an authorized service agent.
- Plastic bags, polystyrene, nails, etc. must not be left within reach of children as they are potentially dangerous.
- The appliance's manufacturer and vendor reject any responsibility for failure to comply with the instructions provided in this user manual.
- Check that the voltage shown on the rating plate corresponds to the voltage of the mains.
- Never clean with scouring powders or hard implements.
- Do not place or use the appliance on hot surfaces, such as stoves, hotplates, or near open gas flames.
- Do not put any part in the dishwasher.
- Do not unplug the unit by pulling on the cord.
- The appliance must be connected to an electrical system and power supply socket with a minimum capacity of 10A, equipped with an efficient earth contact. The manufacturer is not responsible for damages to things or people in the event that the prescribed safety norms have not been respected.
- Before carrying out any maintenance or cleaning, make sure that the appliance has been disconnected from the electrical mains by removing the plug from the power supply socket.
- This appliance is suitable for use with 32°C max. ambient temperature (climatic class "4").
- The A-weighted emission sound pressure level is below 70 dB(A).
- Never wash the appliance under water jets or place it in water!
- This manual can be downloaded in PDF format at [www.nemox.com/download](http://www.nemox.com/download)

**SAVE THESE INSTRUCTIONS**

## SPECIAL WARNING FOR APPLIANCES CONTAINING R290 GAS.

**WARNING:** Keep clear of obstruction all ventilation openings in the appliance enclosure or in the structure for building-in.

**WARNING:** Do not speed up the defrosting process by using mechanical devices or other means than those recommended by the manufacturer.

**WARNING:** Do not use electrical appliances inside the food / ice storage compartments of the appliance, unless they are of the type recommended by the manufacturer.

**WARNING:** Do not damage the refrigerating circuit.

Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.

This appliance contains a small quantity of R290 refrigerant gas which is flammable. The refrigerant quantity contained in this appliance is marked on the rating plate of the appliance.

Do not allow any sharp objects to come into contact with the refrigeration system.

During transportation and installation, ensure that the piping of the refrigerant circuit is not damaged: leaking refrigerant can ignite and may damage the eyes.

In case of damages to the refrigerant circuit, do not use electric items or fire equipment nearby, and open the windows to ventilate the room. Contact the Authorized Service Center.

In the event any damage does occur, avoid exposure to open fires and any device which creates a spark and disconnect the appliance from the mains power. Thoroughly ventilate the room in which the appliance is located for several minutes.

### CAUTION: Risk of fire



R 290

## **IMPORTANT INFORMATION FOR CORRECT DISPOSAL OF THE PRODUCT IN ACCORDANCE WITH EC DIRECTIVE 2012/19/EC.**

This product may contain substances that can be hazardous to the environment or to human health if not disposed of properly. We therefore provide you with the following information to prevent releases of these substances and to improve the use of natural resources. Electrical and electronic equipment should never be disposed of in the usual municipal waste but must be separately collected for their proper treatment.

The crossed-out bin symbol, placed on the product and in this page, remind you of the need to dispose of properly the product at the end of its life. In this way it is possible to prevent that a not specific treatment of the substances contained in these products, or their improper use, or improper use of their parts may be hazardous to the environment or to human health. Furthermore this helps to recover, recycle and reuse many of the materials used in these products. For this purpose the electrical and electronic equipment producers and distributors set up proper collection and treatment systems for these products.

At the end of life your product contact your distributor to have information on the collection arrangements.

When buying this new product your distributor will also inform you of the possibility to return free of charge another end of life equipment as long as it is of equivalent type and has fulfilled the same functions as the supplied equipment. A disposal of the product different from what described above will be liable to the penalties prescribed by the national provisions in the country where the product is disposed of. We also recommend you to adopt more measures for environment protection: recycling of the internal and external packaging of the product and disposing properly used batteries (if contained in the product). With your help it is possible to reduce the amount of natural resources used to produce electrical and electronic equipment, to minimize the use of landfills for the disposal of the products and to improve the quality of life by preventing that potentially hazardous substances are released in the environment



## English

- |                               |  |                                 |
|-------------------------------|--|---------------------------------|
| 1). Master switch.            | 6). SET button.                              | 10). Water tray                 |
| 2). Compressor on light.      | 7). On / off switch                          | 11). Power socket.              |
| 3). Lower temperature button. | 8). Internal ventilation operation indicator | 12). Power cord                 |
| 4). Raise temperature button. | 9). Water drain cap.                         | 13). Electronic thermoregulator |
| 5). Cover.                    |  | 14). Ventilation grille         |

**IMPORTANT:** This machine contains its own refrigerant which must be allowed to settle after transport. Leave the machine on a horizontal surface for at least 12 hours after purchase or after any move which might have stored the machine the wrong way up.

Leave at least 20 cm on each side of the machine to allow free air circulation. Make sure the vent slots are free and unobstructed.

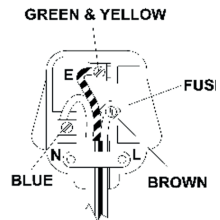
### UK USERS ONLY

#### HOW TO CONNECT THE CORD TO A U.K. PLUG: IMPORTANT

The wires in the mains lead are coloured in accordance with the following code:

- |                     |         |
|---------------------|---------|
| • Green and yellow: | Earth   |
| • Blue:             | Neutral |
| • Brown:            | Live    |

Please, read the instructions given below before connecting the cord to a plug. If in doubt, please, consult a qualified electrician. As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows: the wire that is coloured Green and Yellow must be connected to the terminal in the plug which is marked with the letter E or the Earth symbol (G), or coloured Green or Green and Yellow. The wire that is coloured Brown must be connected to the terminal which is marked with the letter L or coloured Red. The wire that is coloured Blue must be connected to the terminal which is marked with the letter N or coloured Black.



#### SAFETY POINTS FOR REWIRABLE OR MOULDED PLUG

The mains lead of this appliance may be already fitted with a BS1363 13A plug.

- If your socket outlet is not suitable for the plug, then the plug must be removed (cut off if it is a moulded on plug), the flexible cord insulation should be stripped back as appropriate and a suitable 3 pin plug fitted.

**WARNING: Dispose of a plug that has been cut from the power supply cord, as such a plug is hazardous if inserted in a live 13A socket outlet elsewhere in the house.**

- Should the fuse need to be replaced an ASTA marked fuse, approved to BS 1362, of the same rating must be used.
- Always replace the fuse cover after fitting a fuse. The plug must NOT be used if the cover is omitted or lost until a replacement is obtained. Make certain that only the correct fuse cover is used and fitted.
- For plugs with detachable fuse cover, the replacement must be the same as the colour insert in the base of the plug, or as directed by the embossed wording on the base of the plug.
- If the detachable fuse cover is lost a replacement may be purchased from a Service Centre.
- Information for supply may also be obtained from the plug manufacturer.



### PRODUCT DESCRIPTION

Countertop: appliance to store at negative temperature, fresh ice creams, sorbets and foods suitable to be stored at the temperature granted by this machine.

The storage temperature is regulated by an electronic programmer. The storage is supplied with four stainless steel pans with a capacity of 2.5 l each (1/4 Gastronom) or 3 pans of 3.4l + 1 of 2.5l.

Technical data is reported on the plate on the back of the device.

### INSTALLATION

- Remove device from packaging. The packaging materials must be disposed selectively on the basis of their composition.
- Place the device on a flat surface, away from heat and sunlight. Ensure that the ventilation grill at the base of the device is not obstructed. Leave a minimum distance of 20 cm from walls or other surrounding objects.
- Clean the device inside with lukewarm water and neutral soap, using a non-abrasive sponge, and dry with a soft cloth.
- For a proper sanitization carefully follow the provisions of hygiene standards applicable in your country (HACCP or equivalent).
- Clean the device outside with a damp cloth and detergent suitable for cleaning surfaces, dry with a soft cloth.

### USE

- Connect the power cable (12) to the socket (11). Insert the plug into the appropriate electrical socket and press the main switch (1).
- The electronic thermoregulator (13) will show the temperature in the tank.
- The compressor cooling system starts operating after 5 minutes. The light (2) will flash for 5 minutes, until the compressor starts, and then become fixed. At the same time, the light (8) will turn on, indicating that the ventilation inside the tank is on.
- The temperature gradually decreases. Once the set temperature is reached, the compressor stops and the lights (2) and (8) will turn off. Wait for the appliance to reach the set operating temperature before introducing the product.
- The compressor will turn on again when the temperature measured in the tank differs by 2°C more than the set one.
- By pressing the on/off button (7) for 2 seconds, the storage can be turned off or on, making sure that the main switch (1) is in the ON position

### SETTING UP THE TEMPERATURE

Countertop temperature is selected by the manufacture at -12°C.

How to change countertop temperature:

- press the "SET" button (6) for 3 seconds, the display will show the message "UnL", briefly press the "SET" button (6) again and the set storage temperature will appear on the display. Now you can change the storage temperature.

**NOTE:** if the device remains inactive for more than 30 ", the display will automatically block the functions by showing the message « LoC » for a few seconds.

- Repeat the procedure to unlock the display and access the operating temperature setting.
- Press the button (6): the light (2) will start flashing.
- Press button (3) to decrease and button (4) to increase the temperature. Variations can be made within a limited adjustment range, between -10°C and -16°C.
- Press the button (6) once or wait 15 seconds; the led (2) will stop, the new parameter will be memorized and the electronic programmer will return to indicate the temperature of the tank. In 15 "the device will automatically lock the display.

**ATTENTION:** the counter for storage is not suitable for freezing products but only serves to keep them frozen. On one side of the tank, under the gelato pans, there is a fan that allows air to circulate to keep the internal temperature uniform. The fan is activated by the thermal regulator light (8) and stops each time the cover (5) is opened.

### MAINTENANCE

- **Cleaning the cabinet:** clean using a damp cloth and detergent suitable for cleaning the surfaces and dry with a soft cloth.
- **Cleaning the tank:** clean the internal tank with warm water and neutral soap using a non-abrasive sponge and dry with a soft cloth. For correct sanitation, strictly follow the hygiene regulations in force in your country (HACCP or equivalent).

### DEFROST:

#### **IMPORTANT: the appliance has manual defrosting.**

When the formation of ice on the walls of the tank exceeds the thickness of 0.5cm, it is necessary to defrost in order not to compromise the thermal efficiency of the storage.

Proceed as follows:

- Remove the plug from the socket.
- Transfer the product stored in the trays to another suitable storage device.
- Place the container (10) under the collector (9) located under the storage case.
- Remove the drain plug (9) and let the internal ice melt and the water flow from the drain (9). Dry thoroughly.
- When the tank is completely dry, put the plug into the socket.
- Wait for the appliance to reach operating temperature before placing trays with gelato.
- Never use a metal or sharp tool to remove ice.

### EFFICIENCY

To maintain the device efficiency operation, clean the condenser regularly. This operation falls outside normal maintenance and should be performed by a qualified technician, who should proceed as follows:

- Switch off the machine by the switch (1) and remove the plug from the electrical socket.
- Clean the condenser with a brush, air jet or suction device to avoid damaging the device.
- Restart the storage unit.

### POSSIBLE PROBLEMS

#### **The countertop is not running, programmer is not light up.**

- The plug (12) has not been connected to power supply socket (11).
- Back button is switched off.

#### **The storage is not working, programmer is light up.**

- The control system waits 5 minutes before restarting the compressor
- The storage was turned off and an attempt was made to restart it immediately.

#### **Compressor stay always switched on, or it switch on and off frequently.**

- The room temperature is above 30 ° C.
- Excessive quantity of gelato has been placed in the storage and the mass is not yet at the correct temperature.
- The ventilation grilles (14) are blocked

#### **Vibrations.**

- Check that the storage is in a horizontal position.

#### **The storage case makes too much noise.**

- The noise may come from the flow of refrigerant gas, this is normal.
- The contraction and expansion of the internal walls can cause creaking.
- The storage is not in level position.

#### **The electronic programmer is not working properly.**

- If an error message other than those described in this manual appears on the display, contact an authorized Service Center.

## Celsius (°C) - Fahrenheit (°F) conversion table

°C	°F	°C	°F	°C	°F
25	77	0	32	-25	-13
24	75,2	-1	30,2	-26	-14,8
23	73,4	-2	28,4	-27	-16,6
22	71,6	-3	26,6	-28	-18,4
21	69,8	-4	24,8	-29	-20,2
20	68	-5	23	-30	-22
19	66,2	-6	21,2	-31	-23,8
18	64,4	-7	19,4	-32	-25,6
17	62,6	-8	17,6	-33	-27,4
16	60,8	-9	15,8	-34	-29,2
15	59	-10	14	-35	-31
14	57,2	-11	12,2	-36	-32,8
13	55,4	-12	10,4	-37	-34,6
12	53,6	-13	8,6	-38	-36,4
11	51,8	-14	6,8	-39	-38,2
10	50	-15	5	-40	-40
9	48,2	-16	3,2	-41	-41,8
8	46,4	-17	1,4	-42	-43,6
7	44,6	-18	-0,4	-43	-45,4
6	42,8	-19	-2,2	-44	-47,2
5	41	-20	-4	-45	-49
4	39,2	-21	-5,8	-46	-50,8
3	37,4	-22	-7,6	-47	-52,6
2	35,6	-23	-9,4	-48	-54,4
1	33,8	-24	-11,2	-49	-56,2



CERTIFIED  
ISO 9001:2015



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