



**ICE AND WATER
MACHINE
IMK**

Manual for installation, use and maintenance

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1 SAFETY INSTRUCTIONS AND WARNINGS

This machine complies with the safety regulations currently in force. Incorrect use of the machine may lead to personal injury and damage to objects.

Please read all the instructions carefully before using the machine as they contain important information on safety and the use and maintenance of the machine. This will protect you and prevent damage to the machine.

CORRECT USE

This machine is designed solely to produce ice cubes and dispense chilled water. Other types of use are not permitted and may prove dangerous.

The manufacturer will not be held liable for any damage caused by incorrect use of the machine.

TECHNICAL SAFETY

- Before connecting the machine to the power mains, check carefully to make sure that the voltage and frequency ratings shown on the rating plate correspond to those of the electrical system. These values must absolutely correspond in order to avoid damage to the machine. In case of doubt, contact a qualified electrician.
- The electrical safety of the machine is guaranteed only if it is connected to a standard earth conductor. It is very important to verify this information with the utmost attention, and in case of doubt have the electrical system checked by a qualified electrician. The manufacturer declines all responsibility for any damage caused to people or things due to the lack or malfunction of the earth conductor (for example: risk of electrocution).
- Put the machine into operation only after complete installation in order to avoid contact with the electrical components. Before carrying out assembly, disassembly, or daily maintenance of the machine, always make sure to disconnect the power cable from the electrical outlet.
- The connection of the machine to the power mains must not be made using extension cables, as they do not guarantee the necessary safety of the machine (for example: risk of overheating).

- The machine can also be flush-mounted in a wall unit (special accessory). It is not suitable for outdoor use. Considering the heavy weight of the machine, it is essential for the unit to be adequately secured to the adjacent wall.
- If the power cable is damaged, it must be replaced by the manufacturer, its technical service, or by a qualified electrician, in order to prevent any risk.
- All installation, maintenance, and repair operations must be carried out by qualified personnel only. Incorrect installation, maintenance, and repairs may lead to serious dangers to the user, for which the manufacturer declines all responsibility.
- The machine is disconnected from the power mains only when:
 - the main switch of the electrical system is switched off;
 - the fuse of the home electrical system is completely disconnected;
 - the power plug of the machine is completely removed from the electrical outlet.
- To disconnect the machine from the power mains, grasp the plug and remove; do not pull on the power cable.
- Do not open the machine casing for any reason. Touching the voltage cables or modifying the electrical or mechanical structure may lead to electrocution. This could also cause disturbance in the operation of the machine. The manufacturer declines all responsibility towards persons or things due to failure to observe the instructions above.
- In the event that the machine has to be installed in combination with another appliance, it must be separated from the other appliance by a solid intermediate shelf.

USAGE SAFETY

- The appliance is not to be used by person (including children) with reduced physical, sensorial or mental capacities, or without experience or knowledge, unless they benefit, through a person responsible for their safety, or surveillance or instructions regarding the use of the appliance. Children must be overlooked to ensure they do not play with the appliance.

The manufacturer declines all responsibility for any damage caused by failure to follow the safety instructions and precautions.

Please keep the original packaging for the entire warranty period.

2 TECHNICAL DATA

- Material: stainless steel 304
- Main colour: stainless steel
- Other colours available: on request
- Outside dimensions: H 455 x W 595 x D 397 mm
- **Built in dimensions: H 450 x W 560 x D 560 mm**
- Appliance weight: 29 Kg
- Package dimensions: H 550 x W 700 x D 455 mm
- Gross weight: 33 Kg
- Product volume: 0,18 mc
- Voltage: 220-240 V / 50/60 Hz
- Noise Level: 40 dBA
- Ice production: 18 Kg/24h
- Rated electrical power: 0,06 kW
- Power supply required: 0,3 amps
- Refrigerant gas: R134A

Approvals

- CE - EMC
- This appliance has been designed, constructed and marketed in compliance with safety requirements of EEC Directive 2006/95/EEC (Low voltage) and requirements of EMC Directive 2004/108/EEC.

This appliance has been manufactured to the strictest standards and complies with all applicable legislation, including Electrical safety (LVD) and Electromagnetic interference compatibility (EMC). Parts intended to come into contact with food conform to EEC/89/109.4

CO2 BOTTLE (optional for the CO2 version)

Easily found online or at specialty stores.

- Capacity: 600 gr. (0.6 kg)
- Autonomy: can gassed about 50/60 liters of water (depending on the degree of carbonation)
- Carbon dioxide (CO2) Food E290
- Size: 31 cm (h) x 7 (d)
- Full bottle weight: about 2 kg
- Pressure: 36 bar to 0 °
- Thread M11x1
- Is not rechargeable
- The empty container must be disposed of ferrous materials

The machine is set for the use of large CO2 bottles too.



3 INSTALLATION

IMPORTANT NOTE

The installation of the appliance must be carried out exclusively by qualified personnel in compliance with the regulations in force. Considering the heavy weight of the machine, it is essential that the furniture unit be suitably secured to the wall.

- Check to make sure that the opening for housing the machine has the correct dimensions (Fig.1).

- The machine should be placed horizontally on a level surface. Do not install the machine near an oven, radiator, or any other heat source.

- **To ensure a good ventilation for the furniture. Please remove the bottom of the furniture and set ventilation grids above and below the furniture.**

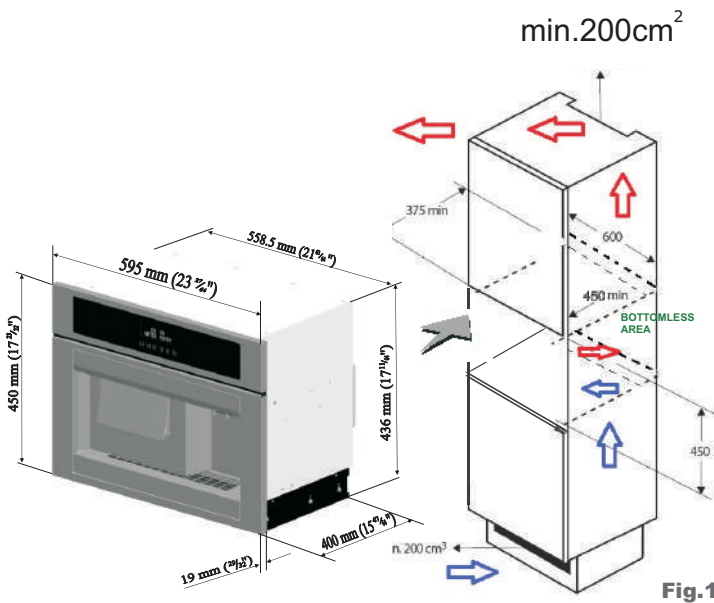
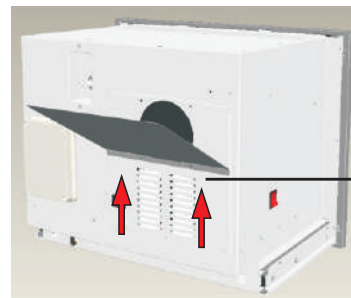


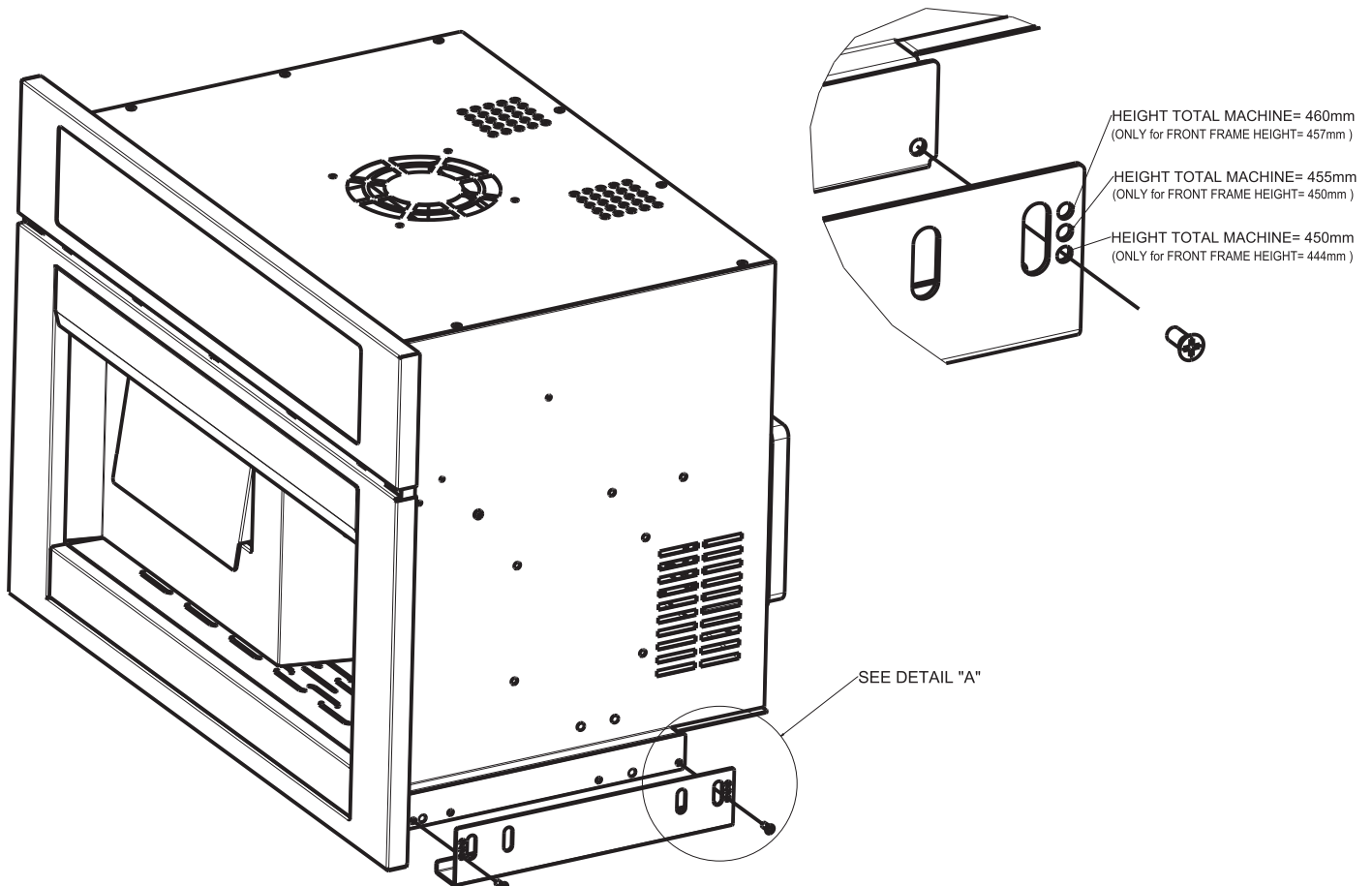
Fig.1

AIR FLOW SEPARATOR



**FOR THE FIXING
USE THE TWO SCREWS
PROVIDED
(UNDER THE FAN)**

STAINLESS STEEL THICKNESSES INSTALLATION



INSTALLATION (optional)

IMPORTANT NOTE

The installation of the appliance must be carried out exclusively by qualified personnel in compliance with the regulations in force. Considering the heavy weight of the machine, it is essential that the furniture unit be suitably secured to the wall.

- Check to make sure that the opening for housing the machine has the correct dimensions (Fig.1).
- The machine should be placed horizontally on a level surface. Do not install the machine near an oven, radiator, or any other heat source.
- **To ensure a good ventilation for the furniture. Please remove the bottom of the furniture and set ventilation grids above and below the furniture.**

The manufacturer declines any responsibility towards persons or objects, as well as for the proper operation of the machine, due to failure to follow the instructions given.

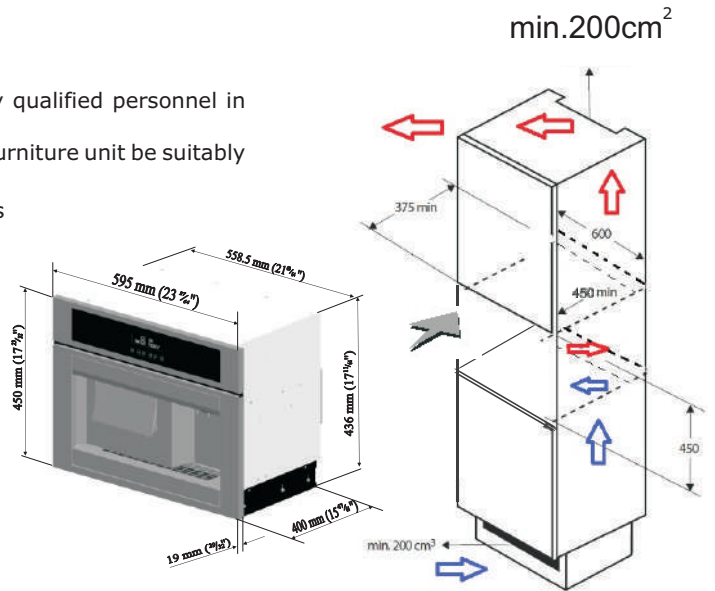
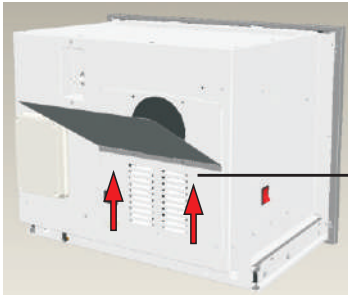


Fig.1

AIR FLOW SEPARATOR



FOR THE FIXING USE THE TWO SCREWS PROVIDED (UNDER THE FAN)



- Connect the plug to the power outlet following the safety regulations in force. *Important:* The power outlet must be accessible after the machine has been installed.
- Tighten the electric cable to the basement with the available cable tie as showed in the picture until being able to stretch the machine completely forward.



1) Put the base on the case, left and right side in contact by the panel



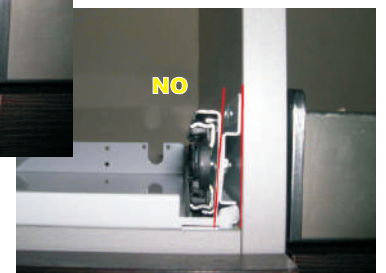
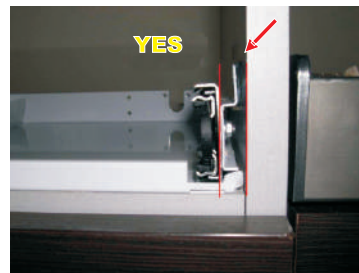
2) Screw the base on the case (using the x6 screws provided)



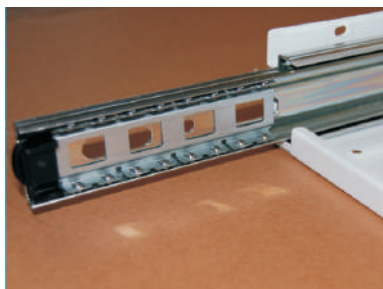
3) Screw the base to the sides (using the x4 screws provided)
Note: if the sides of the base are not flush with the sides of the unit, fold the flaps to the outside.

ATTENTION

Install the base so that the guide rails are perfectly vertical



4) Before mounting the unit to the sliding rails, ensure that the bars with the sliding ball bearings are positioned at the front of the rail as shown in the image below. Failure to do this may result in damage to the sliding rails.



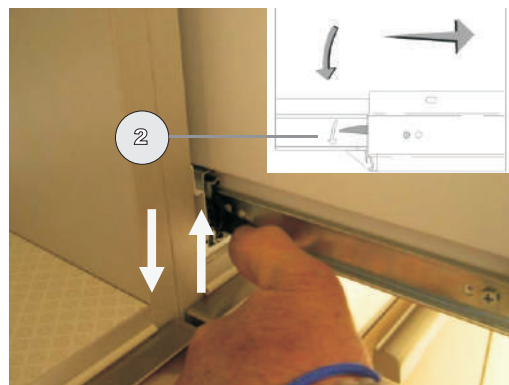
5) Mounting the machine to the base.

The machine has to fit correctly to the sliding rails otherwise damage may occur to the sliding rails and force out the ball bearings.

- Due to the weight of the machine it is recommended that this operation is carried out by two people.
- Position the unit to the sliding rails and slide back inside the kitchen cabinet housing. If any restriction is felt or it moves more easily on one side pull the machine out and ensure the sliding rails fit correctly.
- Once fitted correctly to the rails the machine will slide back smoothly and a "click" will be heard as the machine locks correctly to the sliding rails.
- Leave sufficient space to access and insert the power cord.
- Turn the power switch on the side of the unit to the ON position.
- Push the machine all the way back on its sliding rails to locate it fully within the cabinet housing.

6) If you have to pull out the machine, lift the drawer and pull out.

- If you have to remove the machine from the base unhook it from the lateral guides using the levers, raising the lever of the right-hand guide and lowering the lever of the left-hand guide (2).



CONNECTION TO THE WATER MAINS

To connect the water mains to the electrovalve of the ice maker, please use the hose provided.

- The installation of the appliance must be carried out exclusively by qualified personnel.



NATURAL WATER VERSION



TANK VERSION

NOTE:

Pressure of the water mains should not overcome **4 bars** (if necessary please fit a pressure reducer).

Prevent the risk of clogging or damage: if the water pipe is new or has been inactive for a long time, before proceeding with the water connection, make sure that the water is clear and free of impurities to prevent damage to the appliance. For connection to the water supply, use only new pipes; old or used pipes should not be re-used.

IT IS ABSOLUTELY NECESSARY therefore that, before connecting the silicone tube to the Ice maker & water dispenser, the first jet of water that comes out of the tap of your home water network is drained into a container (basin or other) as long as the absence of limescale, rust or other sediments is not evident in the water.

DO NOT REMOVE THE ORIGINAL CONNECTION TO WATER MAINS! IT CONTAINS THE FLOW RESTRICTOR!

CO2 BOTTLE CONNECTION - CO2 MACHINE VERSION



- turn the knob counterclockwise until the end (pressure gauge closed);
- screw the pressure gauge quickly on the cylinder to the end so as to avoid slight gas leaks;
- connect the hose (from the machine to the pressure gauge connection);
- turn the knob clockwise (open pressure gauge);

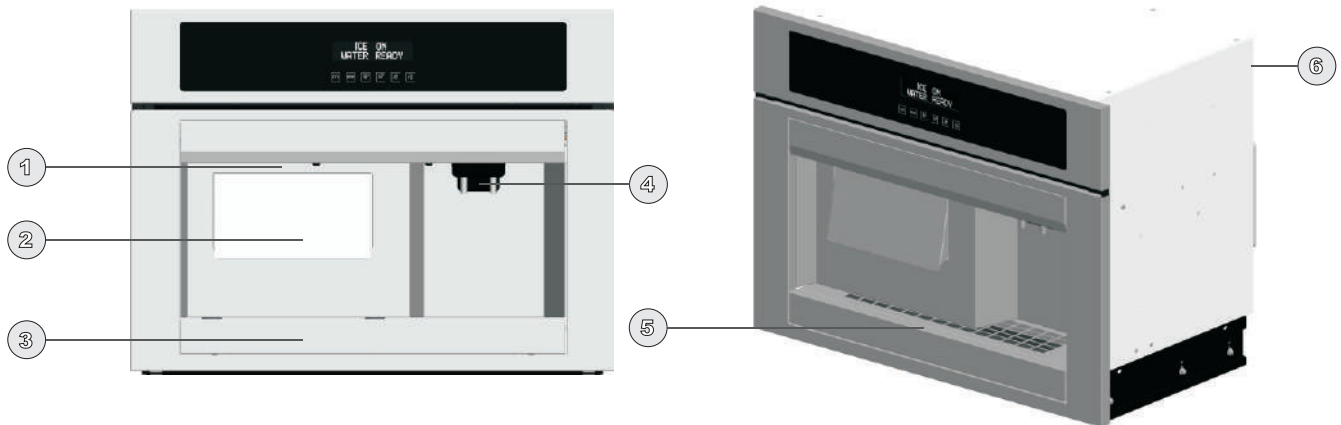
4 DESCRIPTION AND OPERATION

The machine is intended for domestic use.

The machine supplies ice cubes and glasses of natural or natural and sparkling water.

Other usage is not allowed and may result dangerous. The manufacturer declines any responsibility coming from misuse.

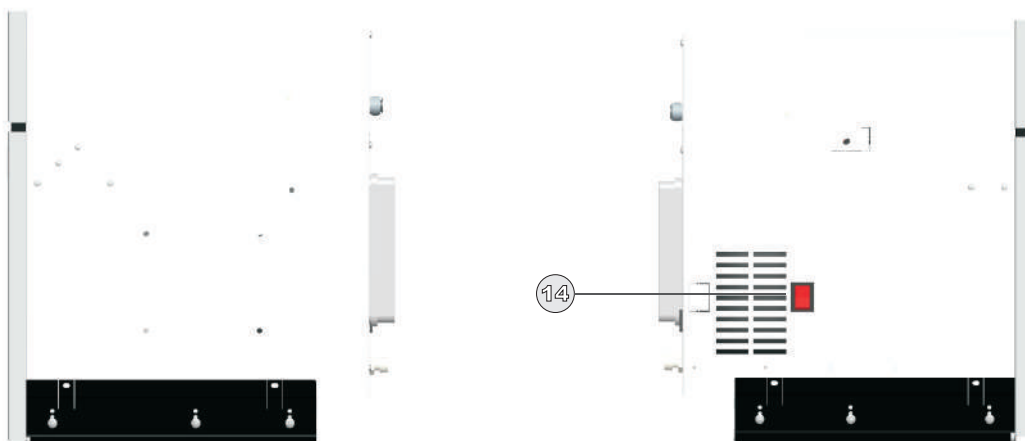
FRONT AND OVERALL VIEW



- 01. Lighting
- 02. Ice drawer
- 03. Drawer
- 04. Water nozzles
- 05. Drip tray
- 06. Water mains connection
- 07. On button
- 08. Off button

- 09. Water glass or Sparkling water glass (Co2 version)
- 10. Water jug or Natural water glass (Co2 version)
- 11. Manual setting
- 12. Selection button
- 13. Display
- 14. Main switch

CONTROL BUTTONS AND DISPLAY PANEL



5 OPERATION AND USE

Instructions which must be read prior to using the machine. The manufacturer declines all responsibility for damage caused by improper or incorrect use and failure to follow the instructions provided in the instruction booklet and given here below.

NOTE

Before starting up, wait at least two hours, giving way to the oil to flow into the compressor.

Before the machine is installed into the cabinet turn the main red switch on the left side ON (14)

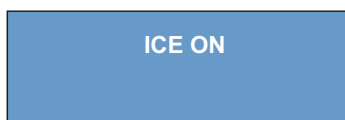
WATER HARDNESS


IMPORTANT: Use only cold potable water with hardness less than 5 dh (9°f)- USE THE TEST STICK PROVIDED -The customer must indicate within 7 days of installation the water hardness value, obtained with the kit supplied, by writing to: info@diademaitaly.com

FOR BEST PERFORMANCE, AMBIENT ROOM TEMPERATURE SHOULD BE NOT OVER 30°C.

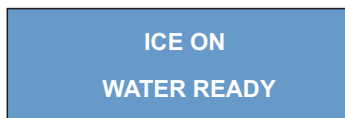
– Now you are ready to START it through the front button 

The display will show:





• The machine is now ready for use. If a failure is signalled, ICE FAULT, turn the icemaker off  and press also the main switch (14) on the side and after turn it on again.

Once the machine has reached optimum water cooling, the display will show:



DISPLAY LANGUAGE

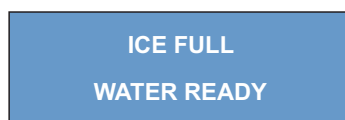
Press the key  and then the key  the display panel shows:



press and hold the key ; with the key  select the desired language.

ICE DISPENSING

For the first three cycles, the ice may be small and irregular size. When the ice drawer is full, the display shows:



Open and use the scoop provided to remove the ice as required.

To ensure the ice is fresh, we recommended you empty the ice drawer every 6 - 8 hours.


Please turn off the machine if it is not used for a long time or if you are away from home.



If you decide to turn the machine off even for a while (OFF button) first empty the drawer containing the ice bullets.



FIRST USE

The machine is made for domestic use. The machine makes ice cubes and supplies natural water or natural and light sparkling cold water.

WATER DISPENSING


To decide the quantity of water to pour into a glass or a pitcher, please press the button  until you reach the desired quantity of water.

After press  and  the quantity of water for a glass has been memorized.

Same procedure for the water pitcher press  and  to have the desired quantity of water for a pitcher. In normal use you can stop the flow of water before reaching the quantity you want by pressing one of the followings buttons:




The water nozzle is height adjustable for ease of use.



NOTE: for the **WATER TANK VERSION**, please keep press the  till the internal pumps refill the circuits and water starts to come out from the nozzle.

Co2 VERSION



- 1. Before supplying water, please make sure that the ice drawer is full.**
- 2. Slowly adjust the CO2 bottle until reach of MAX 5 atm on gauge meter.**
- 3. Supply at least 3/4 sparkling water glasses to let CO2 reach the inside container.**
- 4. After first use the machine performances will improve in terms of cooling and sparkling water.**
- 5. In case the machine is left idle for some time please supply a couple of glasses in order to restore the container temperature.**
- 6. CO2 could change the taste of water.**

NATURAL WATER SUPPLY

Please press  in order to take one glass of natural water (preset quantity 150 ml.)

To memorise the quantity of natural water preferred keep pressed button  and press once the button  to start the natural water supply.


It will stop when the button  will be released.



To memorise the quantity of water just supplied press the button  and  at the same time.

On the display it will appear "MEMO OK".



Please add ice cubes inside the glass to have cold natural water.

SPARKLING WATER SUPPLY

Press  to supply a glass of sparkling water (preset quantity 150 ml.)

To memorise the quantity of water preferred to supply in a glass keep pressed the button  and press once the button  to start supplying sparkling water.

It will stop when the button  will be released.

To memorise the quantity of water just supplied press  and the button  at the same time.

On the display it will appear: "MEMO OK".

6 CARE AND CLEANING

CLEANING THE MACHINE




IMPORTANT: The container must be emptied regularly to prevent the formation of mould and bacteria.


- Open the drawer.
- Remove the grille
- Extract and empty the plastic tank in the drip tray
- Place the container and the grille back in their seats.
- Close the drawer.
- Now the machine is ready for use again.

Do not use any detergent substances containing soda, acids, or chlorides! These substances will ruin the surface of the machine.

Regular cleaning guarantees the efficient operation and long life of your machine. Remove the grille and tray from the machine and clean both the front panel and the inside compartments with a soft sponge dampened with a sanitising detergent solution. Dry with a soft cloth to avoid scratching.

IMPORTANT Co2 VERSION:

To empty the machine press one after the other:   

Push button  to empty the sparkling water tanks. In order to start up again turn off and on by the main switch placed on the side (14)

IMPORTANT:

Steam cleaners must not be used when cleaning this appliance. Ensure that all parts are correctly replaced after cleaning before attempting to use the icemaker.

Please turn off the machine when you are out for a long period and please empty the drawer of ice cubes.

Periodically check, at least every three / 4 months, that the inlet filter to which the silicone tube that brings water from the water network to your ice maker & water dispenser is connected is free from limescale / sediment obstructions.

For this inspection, simply remove the tube and unscrew the gray Guest part, so that the filter will be visible. In case of sediment, remove it and wash it under running water.



7 TROUBLE - SHOOTING

• **The display shows: ICE ON / WATER MISSING ICE OFF / WATER MISSING**

- Check the connection to the water mains
- Add some water inside the cabinet
- Turn off and turn on the machine by the main switch.

• **Water is not sparkling enough**

- to check if there are about 4-5 atm on the gauge meter.
- to change the CO2 bottle

• **the machine produces few and transparent ice cubes**

The room temperature and / or the internal temperature of the cabinet is too high, the machine cannot cool adequately. Make sure that the furniture is properly ventilated as shown in the installation.

• **dripping**

- after dispensing sparkling water, a few drops of water may come out of the dispenser. This is due to the presence of CO2 in the pipes. It is sufficient to let a little natural water flow to stop the spill.
- check for the presence of condensation in the water collection tray and empty it if necessary.

• **water leaking from the front drawer compartment**

- Any impurities could have damaged the solenoid valve that regulates the water inlet. Check and if necessary call a technician to replace it.

CHARCOAL FILTER (optional)

The charcoal filter reduces the content of chemicals harmful to health and keeps the bad tastes and odors such as chlorine.

Filter must be replaced every six months for optimal performance.

NOTE Before fixing the new filter slide at least 3 liters of water inside the filter (follow the flow arrow) in order to remove any residues of coal dust deposited on the internal attachment.

- Turn off the main switch;
- Remove the two fixing blue rings;
- Disconnect hoses, attach the new charcoal filter and replace the two blue rings.

UV STERILIZER

The UV sterilizer clears the water with the help of ultraviolet radiation. The UV radiation kills all forms of life that are directly exposed to the radiation: micro algae, bacteria, protozoa and other parasites.

When the cartridge is not working or is about to expire the machine emits a continuous beep: the UV sterilizer needs replacing; contact customer care.

8 DISPOSAL OF ELECTRICAL APPLIANCES



European Directive 2002/96/CE on electrical waste and electronic equipment (WEEE) requires that electrical appliances not be disposed of as unsorted municipal waste. Used appliances must be collected separately to optimize the reclamation or recycling of the component materials and prevent potential harm to human health and to the environment. The symbol of the cancelled garbage bin is displayed on all these products to remind users of the obligation of separate collection. For further information on the correct disposal of electrical appliances, please contact your local authorities or the retailer.

Please keep the original packaging for the entire warranty period.

For the correct use of the ice maker, in order to prevent future malfunctions, we invite you to scrupulously follow the instructions contained in the installation and use manual. Whenever this does not occur and it emerges, from a subsequent recall intervention at the manufacturer of your appliance, that the malfunction is due precisely to the incorrect application of the installation, use and maintenance procedures, the transport costs inherent in the resolution of the problems will be entirely borne by the customer, also as regards the sending by the parent company of the packaging - if not kept - necessary for the collection of the appliance.