



ICE AND WATER
MACHINE
TFT DISPLAY

Manual for installation, use and maintenance

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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.

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 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)

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.

min.200cm²

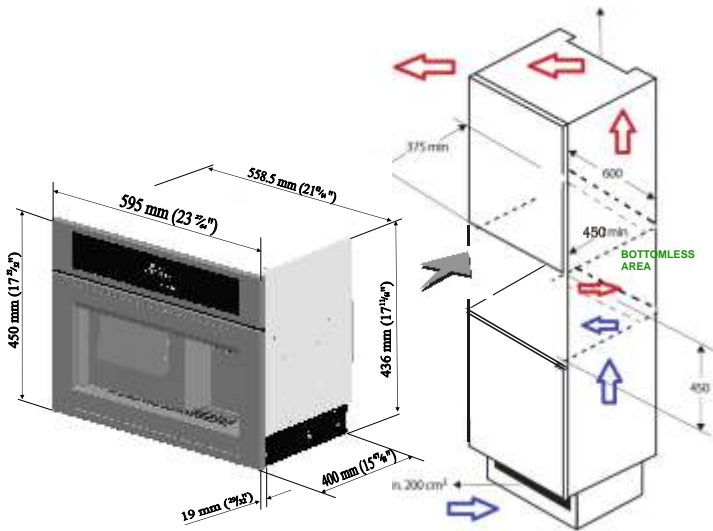
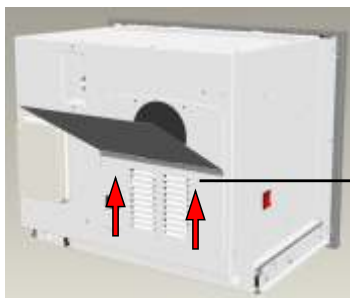


Fig.1

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



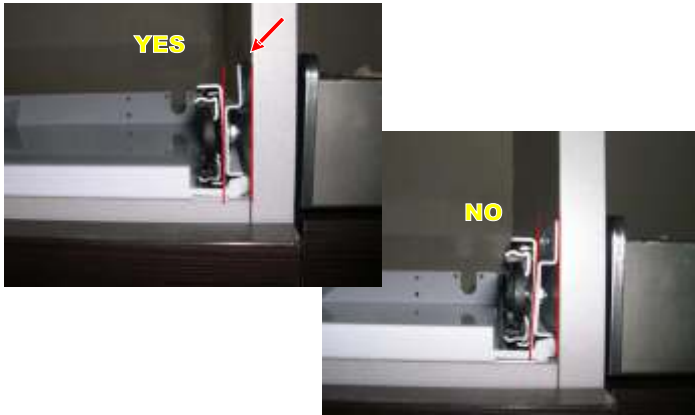
2) Screw the base on the case (using the x6 screws provided)



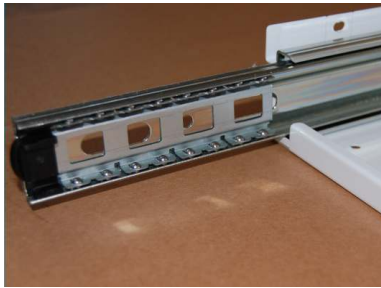
3) Screw the base to the sides (using the x4 screws provided)
Note: if the sides of the base are not flush with the sides of the unit, fold the flaps to the outside.

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.



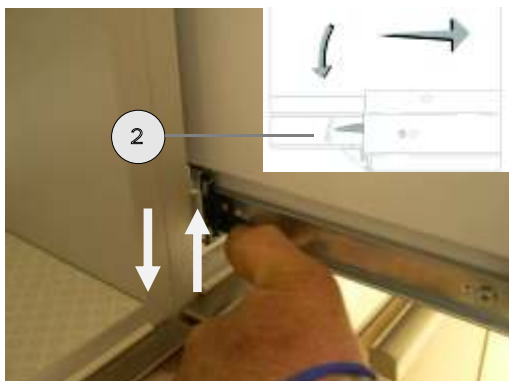
5) Mounting the machine to the base.

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

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

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.

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



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.

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

CO2 BOTTLE CONNECTION



- 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);
- slowly adjust the CO2 bottle until reach of MAX 5 atm on the gauge meter.

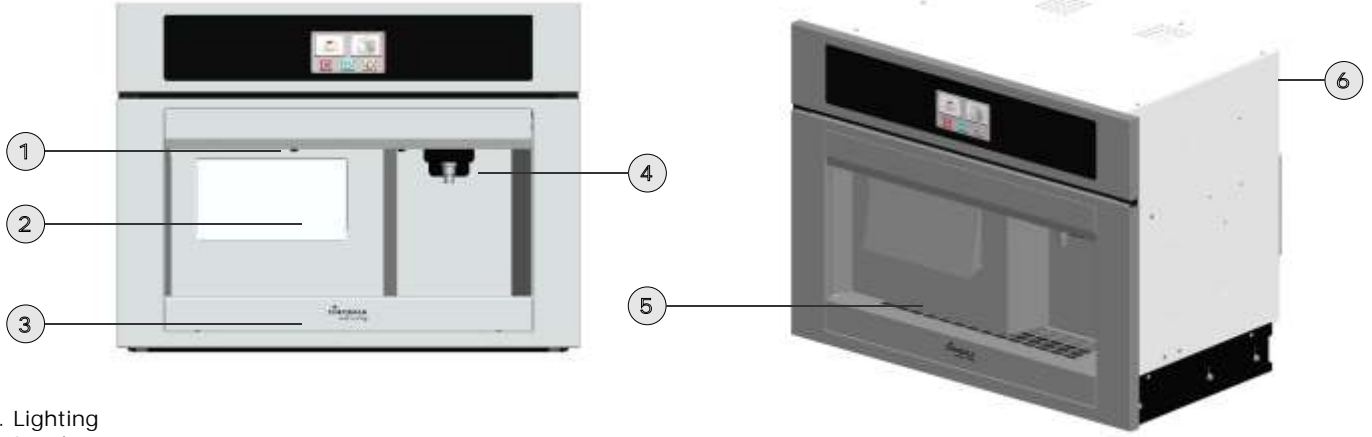
4 DESCRIPTION AND OPERATION

The machine is intended for domestic use.

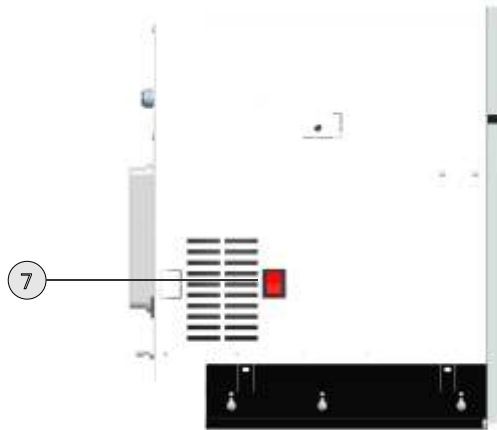
The machine supplies ice cubes and glasses of natural and light sparkling water.

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. Main switch



HOME PAGE



POWER ON

2° screen FUNCTIONS

ICE MAKER



NATURAL WATER SELECTION

SPARKLING WATER SELECTION

POWER ON

MANUAL LENGTH FUNCTION

MEMO SELECTION

DISPENSING BAR

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 on the main red switch on the left side (7).


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.

NOTE


Add drinkable water into the reservoir making sure it does not overcome the maximum level (best between min. and max)



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

• The machine is now ready for use. If a failure is signalled (WATER MISSING ICON):



turn the icemaker off  and press also the main switch (7) on the side and after turn it on again.

ICE DISPENSING

For the first three cycles, the ice may be small and irregular size.
Open and use the scoop provided to remove the ice as required.



ICE FULL

With this icon, the drawer with ice cubes is full.

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.

NATURAL WATER SUPPLY



Before supplying water, please make sure that the ice drawer is full.

Please press 

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

To memorise the quantity of natural water preferred:




- adjust the desired length by holding down the button: 
- save the length with 

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

SPARKLING WATER SUPPLY



Before supplying water, please make sure that the ice drawer is full.

Please press 

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

To memorise the quantity of natural water preferred:



- adjust the desired length by holding down the button: 
- save the length with 

- Supply at least 3/4 sparkling water glasses to let CO2 reach the inside container.
- After first use the machine performances will improve in terms of cooling and sparkling water.
- In case the machine is left idle for some time please supply a couple of glasses in order to restore the container temperature.
- CO2 could change the taste of water.

This icon means that the machine is refilling it sparkling circuits. Other buttons are not available at moment.



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:

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.

- If you notice limescale deposits on the level probes, placed under the ice drawer, please clean them with a soft sponge in order to guarantee their correct functionality / sensitivity.

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

NOTE:

To keep the functionality of your Ice maker & water dispenser efficient, clean every three months the probes that read the water level in the compartment of the ice drawer (visible on the right side) by rubbing them with a slightly abrasive sponge, so to be freed from lime scale and sediment, even if not very visible.

Procedure:

1. turn off your Ice maker & water dispenser with the general red button;
2. empty the compartment that contains water (which normally must be at a level between the MIN - MAX indications);
3. proceed with cleaning the two probes;
4. fill the previously emptied compartment with a container until reaching an internal level between the MIN - MAX indications;
5. switch on your Ice maker & water dispenser with the red general button;
6. switch on by pressing the ON button for about 3 seconds

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 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.



IMPORTANT:

To empty the machine press these areas on the home page screen:



This icon will appear:



Press it to empty the sparkling water tanks. In order to start up again turn off the machine by the main switch placed on the side.

7 TROUBLE - SHOOTING

REMARK:

- after having supplied sparkling water some water drops might come out of the nozzle. That is due to the CO2 still in the pipes. It is enough to let some water run to stop the bubbles.

- please wait that the pump has stopped loading before supplying sparkling water again:
on the display it will appear an icon: the machine is loading (it is not possible to supply sparkling water).

THE MACHINE IS MANUFACTURED TO SUPPLY A MAXIMUM QUANTITY OF 500 ML AT A TIME, PLEASE DO NOT EXCEED THIS LIMIT.

•Water is not sparkling enough

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

•The display shows icon WATER MISSING for the icemaker:



- Check the connection to the water mains

DRIPPING

Check for the presence of condensation in the water collection tray and empty it if necessary.

- 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

- The sedimentation of limestone and / or sediment on the probes in the drawer compartment prevents the correct reading of the water levels and the solenoid valve to close when necessary. This causes continuous leakage of water. In case you switch off your Ice maker & water dispenser with the red general button and apply the probe cleaning procedure.

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

ICE MAKER FAULT



Please check the movement of the upper drawer (where ice cubes were made).

•The display shows icon WATER MISSING for the sparkling tank:



- Check the connection to the water mains

ICE MAKER TEMPERATURE

If the temperature inside the machine is too high, the display shows:

the machine turns off in order to protect itself.

As soon as the temperature decreases the machine turns on again automatically.



The machine could reach high temperature as a result of a bad installation:

- insufficient airflow in to the cabinet
- installation next to heat sources

•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.

•The display shows this icon of error:



- the temperature sensors are not working.

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 (optional from factory)

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.