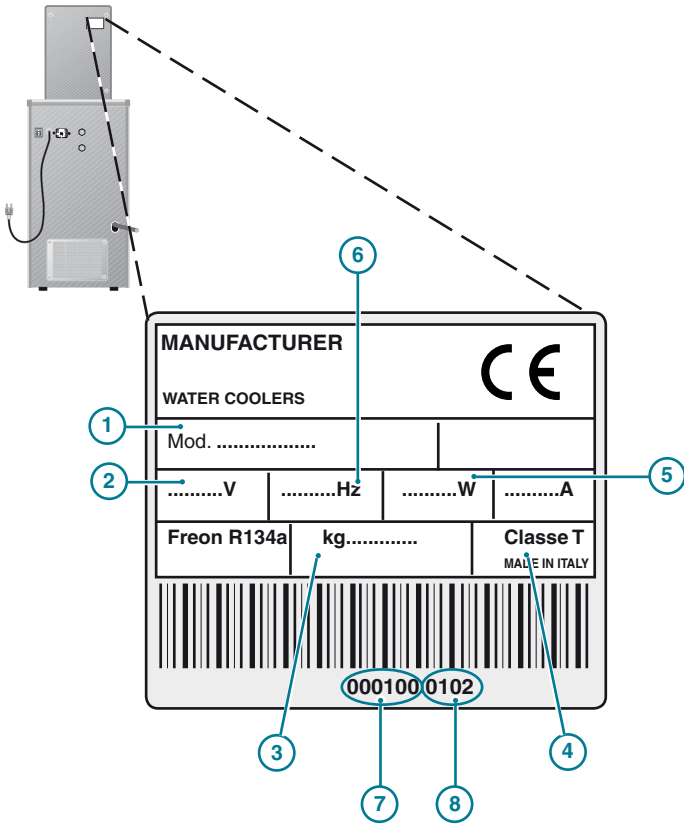


NIAGARA

GB

Installation, use and maintenance handbook





APPLIANCE DATA PLATE

- 1 Model
- 2 Supply voltage
- 3 Quantity of cooling gas
- 4 Class
- 5 Total absorption
- 6 Frequency
- 7 Serial number
- 8 Construction year-month

CONFORMANCE STATEMENT
<p>This appliance has been manufactured with suitable materials for use with drinking water. The device conforms to L.D. 108 dated 25.01.1992. The appliance has been approved by the WRAS (WATER REGULATION ADVISORY SCHEME). WRAS APPROVED PRODUCT.</p> <p>This product was designed, made and put on the market respecting the following conformities:</p> <ul style="list-style-type: none"> • Following EC requirements safety objectives of the "Low Voltage" 2006/95/CEE; • protection requisites of "EMC" 2004/108/CEE • Certified by NEMKO

GB 1 BEFORE USING THE APPLIANCE

1.1 WARNINGS

In order to use your appliance to its best, we advise reading these instructions carefully as they contain useful information.

- Keep this book for later use.
- When you have removed the packaging, make sure that the appliance is not damaged. Any damage must be reported to your carrier within 24 hours.

If the machine has been put down or turned upside down, wait for at least 8 hours before putting it into operation

- Make sure that installation and electrical wiring are carried out by a qualified technician according to the manufacturer's instructions and to the local norms in force. The electrical system must be equipped with an effective earth according to the law (46/90).

1.2 GENERAL PRECAUTIONS AND SUGGESTIONS

Before carrying out any maintenance or cleaning operation, remove the plug from the mains socket.

- Do not pull on the supply cable in order to remove the plug from the socket.
- When the appliance has been installed, make sure it is not resting on the mains supply cable.

The data and characteristics indicated in this manual do not bind the manufacturer, who reserves the right to make all the modifications deemed necessary, without having to give prior notice or replacement.



Failure to comply with any of these safety regulations could cause fires, electric shocks or damage the machine

- **Place of installation**

- Do not place the machine near inflammable solvents such as alcohol or diluents.
- Do not install the machine in excessively damp and dusty places, exposed to direct sunlight, outdoors or near to heat sources.

Machine installation in these places could cause fires or electric shocks.

- The appliance is not suitable for outdoor use and it is also not recommended to install it in very damp rooms.
- For safe and correct functioning the appliance must be placed flat

- **Electric power supply**

- Do not connect or disconnect the machine from the socket with wet hands.
- Insert the plug into the wall socket firmly.
- Do not damage, modify, stretch, bend or twist the power cable. Do not place heavy objects on the power cable.
- Do not connect the machine to a socket to which other equipment is connected (extensions, 2 or 3 plug adaptors, etc.)
- Do not use the machine if the power cable is tied or knotted.
- If smoke, unusual smells or strange noises are found coming from the


machine, disconnect it immediately from the socket and contact the local retailer or technical service assistance.


Use of the machine in these conditions could cause fires or electric shocks.

- Periodically disconnect the machine from the socket and clean the plug and socket with a dry cloth.
If the machine is connected in a place exposed to dust, smoke or high humidity, the dust accumulated on the plug will absorb humidity and this could alter the insulation and trigger a fire.
- The appliance must not be installed where water jets can be generated.
- Do not spray water on the device; this could cause electric shocks or fires.
- Use a damp cloth to clean the machine. Do not use inflammable solvents such as alcohol, benzene or diluents. If inflammable substances come in contact with the electrical components inside the machine, they can cause fires or electric shocks.
Never use water jets to clean the machine.
- Before cleaning the machine, switch it off and disconnect it from the socket. Not being switched off or accidental switching on during cleaning could cause injuries to persons or damages to the machine.

GB 2 REMOVAL OF PACKAGING

- Place the appliance in its installation site (chap. 5 - INSTALLATION).
- Cut straps R and remove carton C, polystyrene F and external plastic bag S.
- Do away with plastic bags S and polystyrene F immediately as they are a danger for children.
- Once the appliance is free from its packaging, remove the base B.

 **Attention: when moving the TOP models the distribution head must not be used to hoist the machine.**

 **The hoisting of the machine must happen from the bottom and be carried out by at least two people (fig.2)**

2.1 ADVICE ON HOW TO PROTECT THE ENVIRONMENT

Packaging: Packaging material is 100% recyclable.



For its disposal follow your local regulations.

The packaging material (plastic bags, polystyrene parts etc.) must be kept out of children's reach as it could be dangerous.

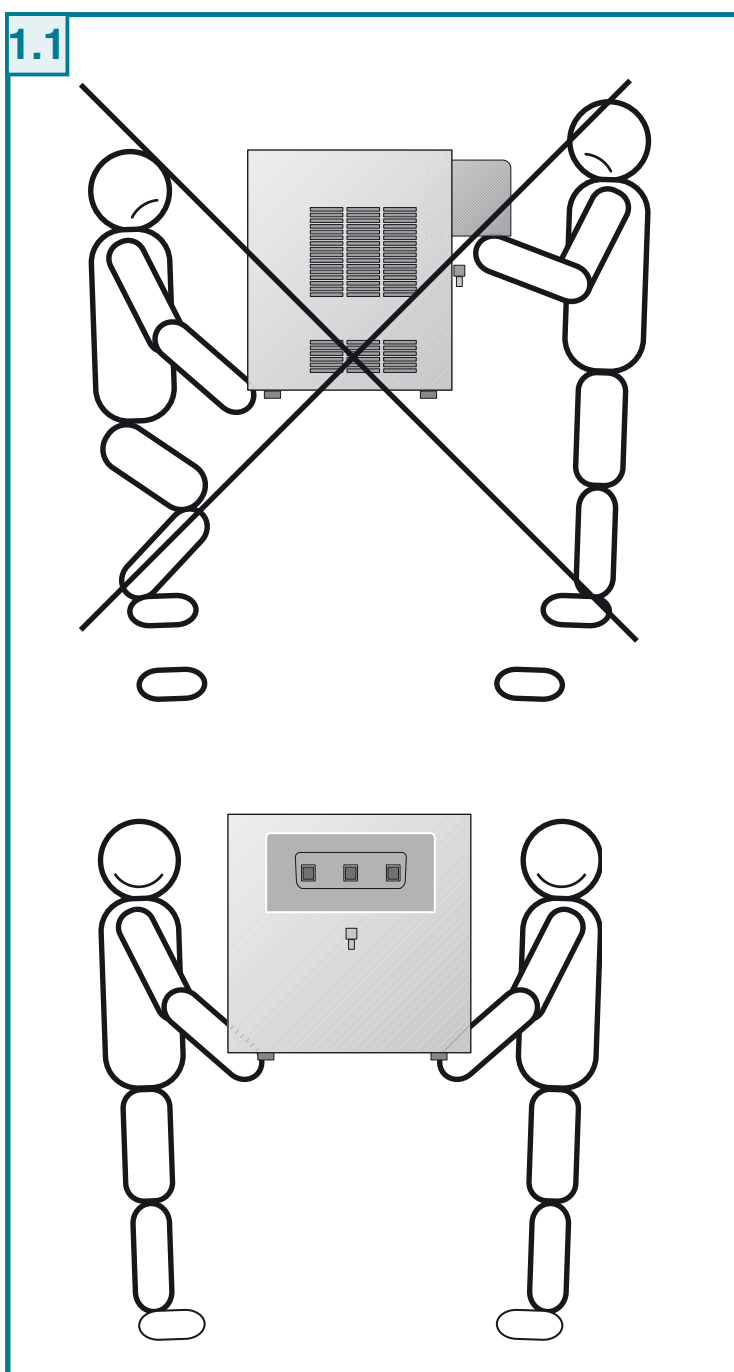
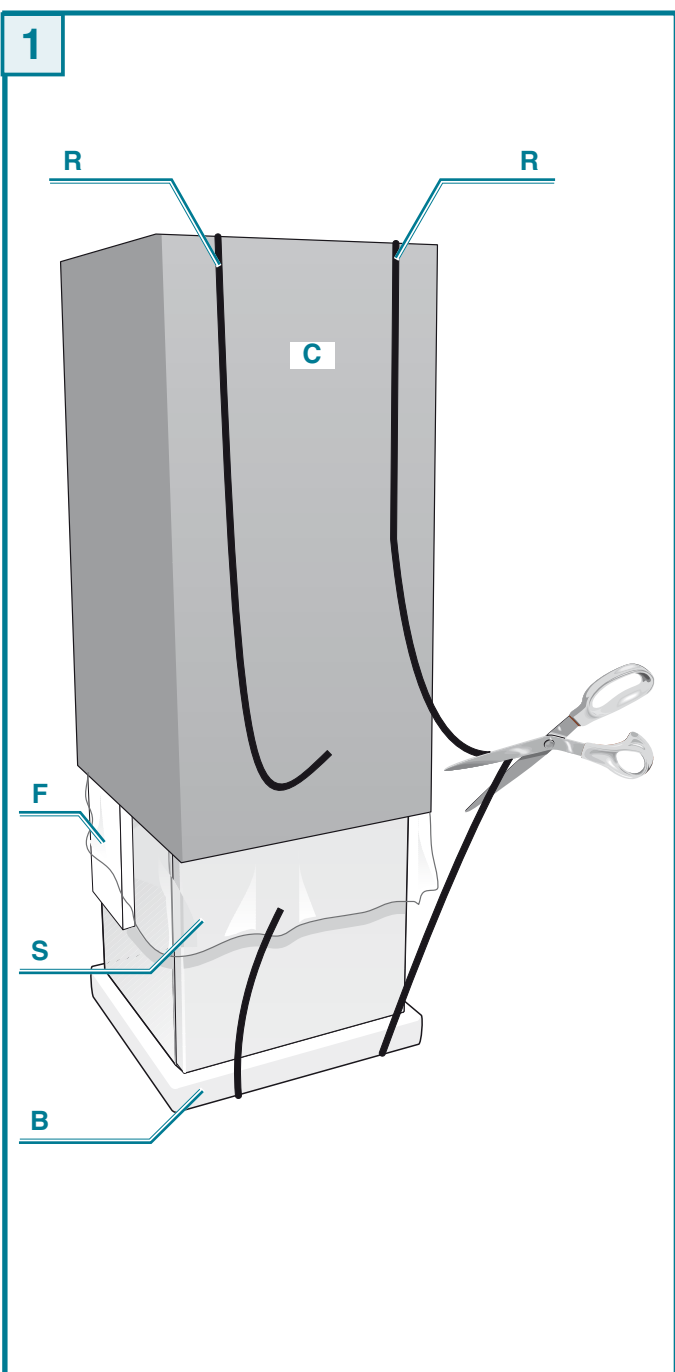
Information: This appliance does not contain CFCs (the cooling circuit contains a gas that is not harmful to the ozone layer).

For further details, please refer to the serial data plate on the appliance.

Produkt: This appliance is marked according to the European directive 2002/96/EC on Waste Electrical and Electronic Equipment (WEEE). By Ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product.

 The symbol on the product, or on the documents accompanying the product, indicates that this appliance may not be treated as household waste. Instead it shall be handed over to the applicable collection point  for the recycling of electrical and electronic equipment.

Disposal must be carried out in accordance with local environmental regulations for waste disposal. For more detailed information about treatment, recovery and recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.



GB 3 DESCRIPTION OF THE APPLIANCE

These water coolers were designed to provide large quantities of still and carbonated cold water.

They are easy to use and manufactured using top quality materials, offering the utmost hygiene and ease of maintenance; a UV safety system, available as an optional in the ground and counter-top models (TOP). It protects the water distribution area from bacteria (patented system).

They should always be connected to a mains drinking water supply and can be fitted with special filtering kits.

They can be used in various settings, ranging from cafés, restaurants, canteens, hospitals, public places, offices and domestic environments; they should always be installed indoors and in the environmental conditions described under the "technical features" heading.

They are equipped with an internal cooling system, capable of supplying water cooled to $3 \div 10^{\circ}\text{C}$.

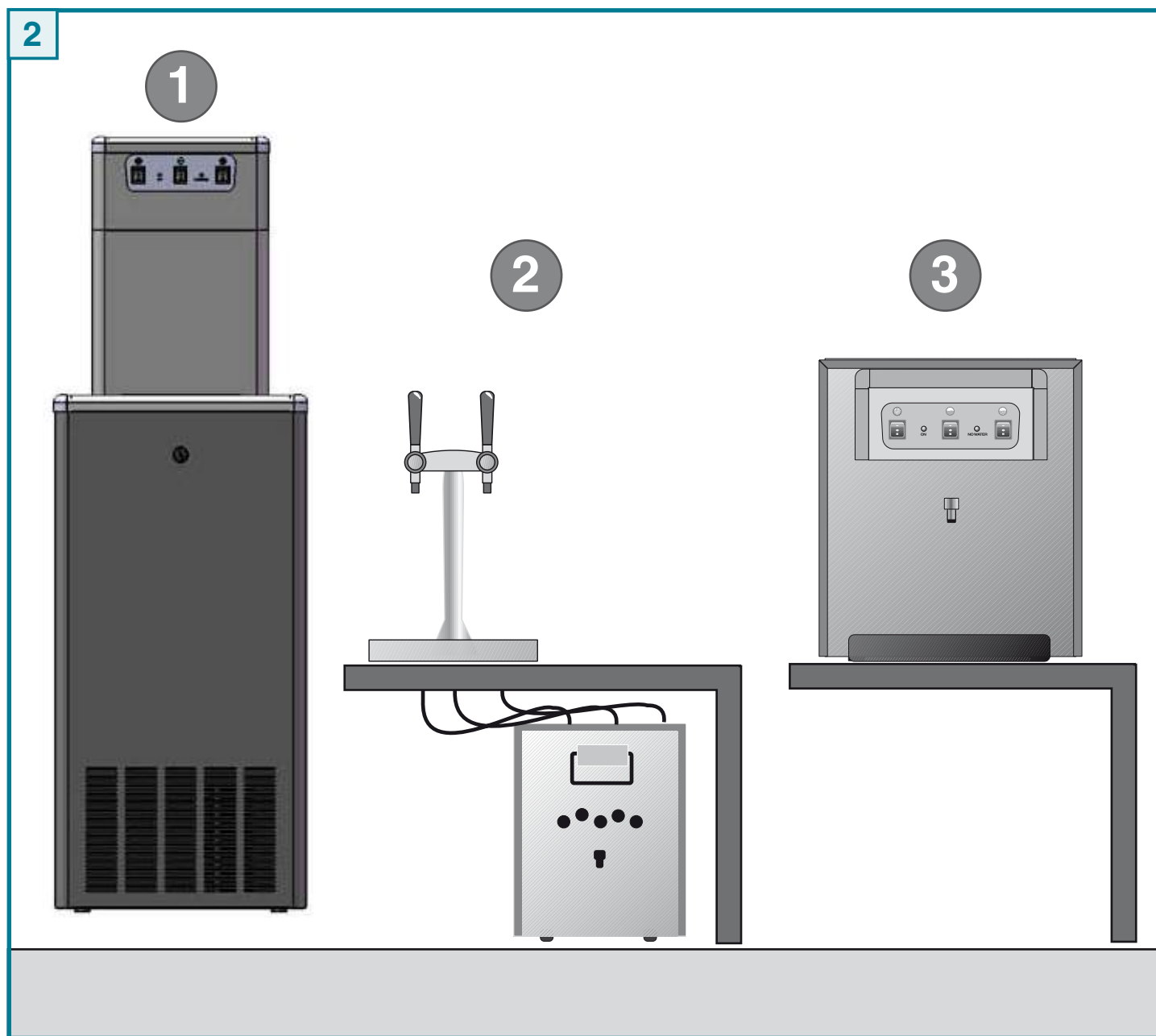
They use a direct cooling system (ice bank)

The following models are available:

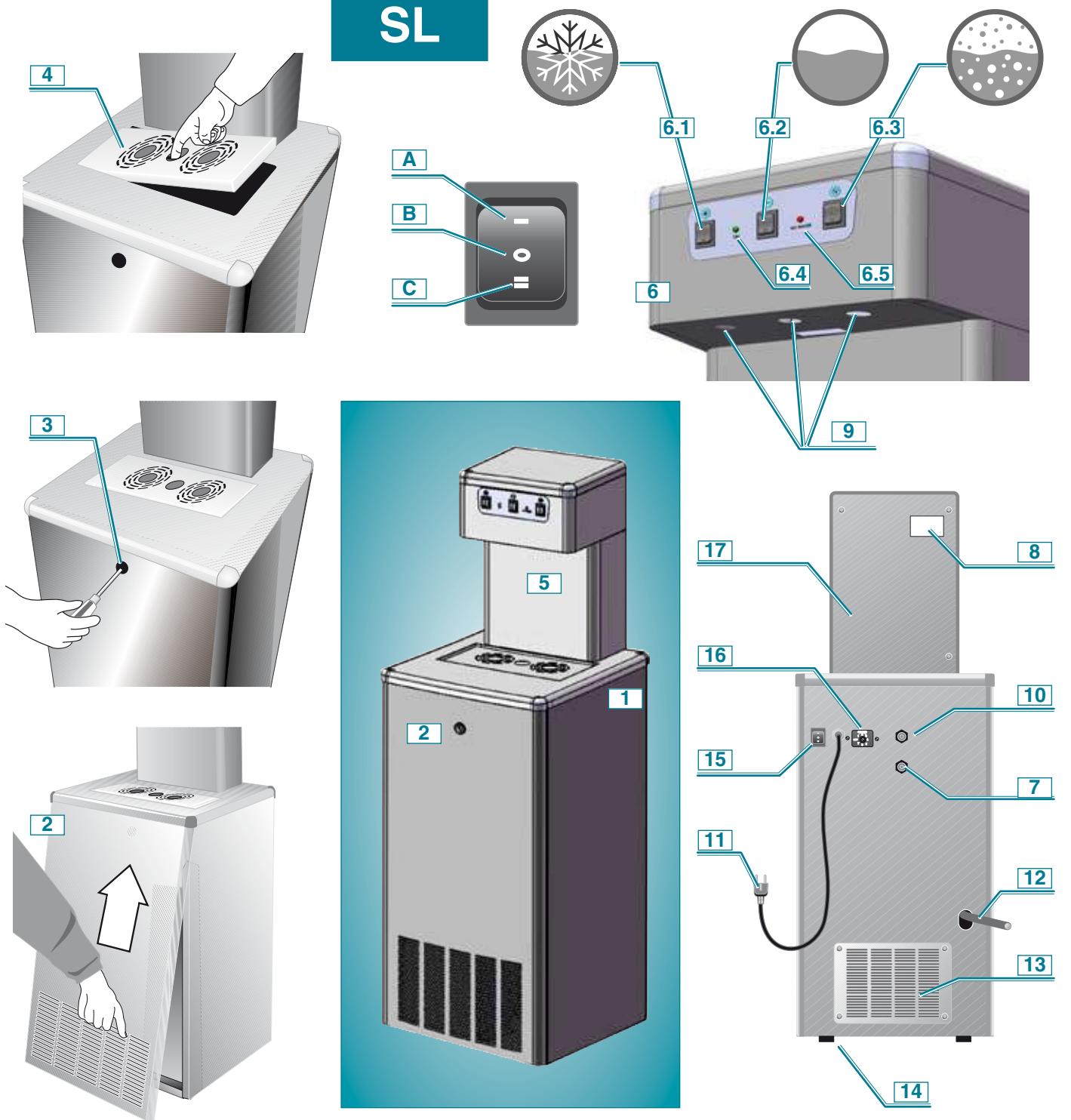
- Ground (1)
- Undercounter (2)
- Countertop (3)

Some models can also provide carbonated water (WG versions), in which case they need to be connected to a CO_2 cylinder.

The ground 1 and countertop 3 models have, as standard, a solenoid valve with safety function (anti-flooding).



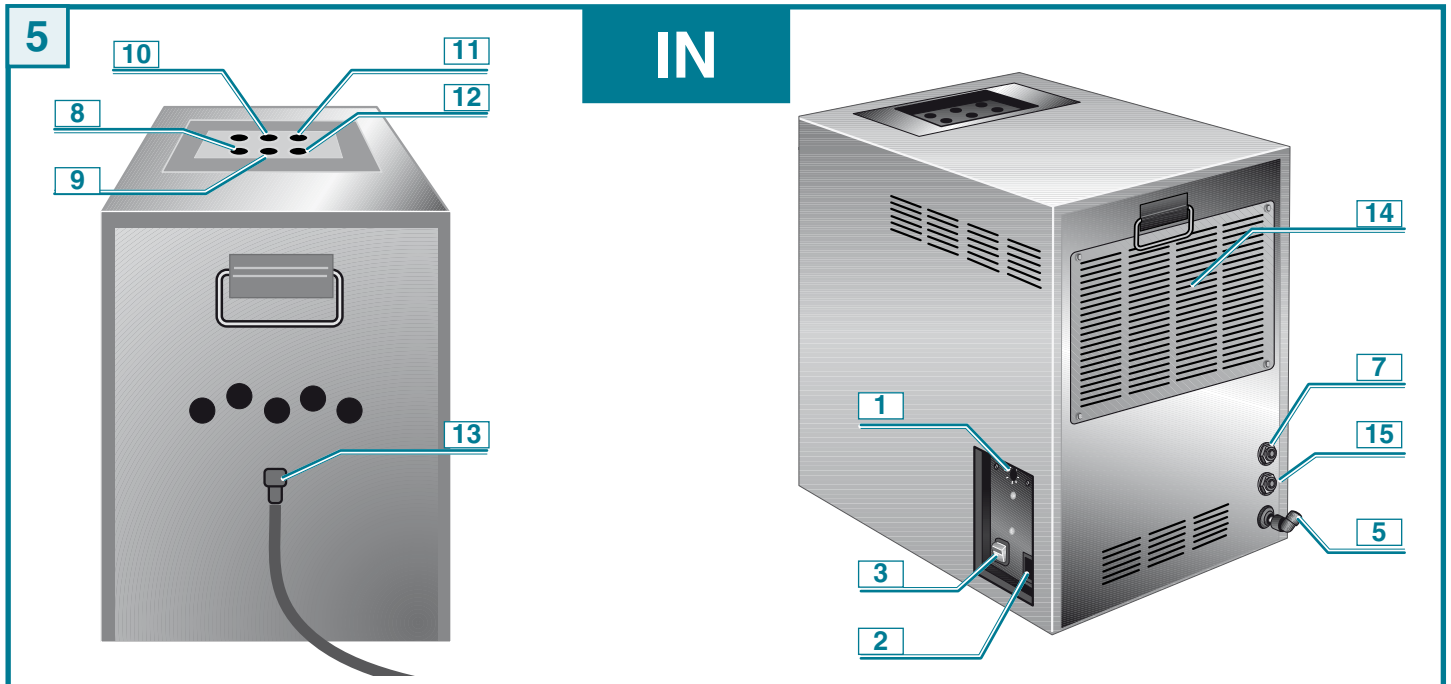
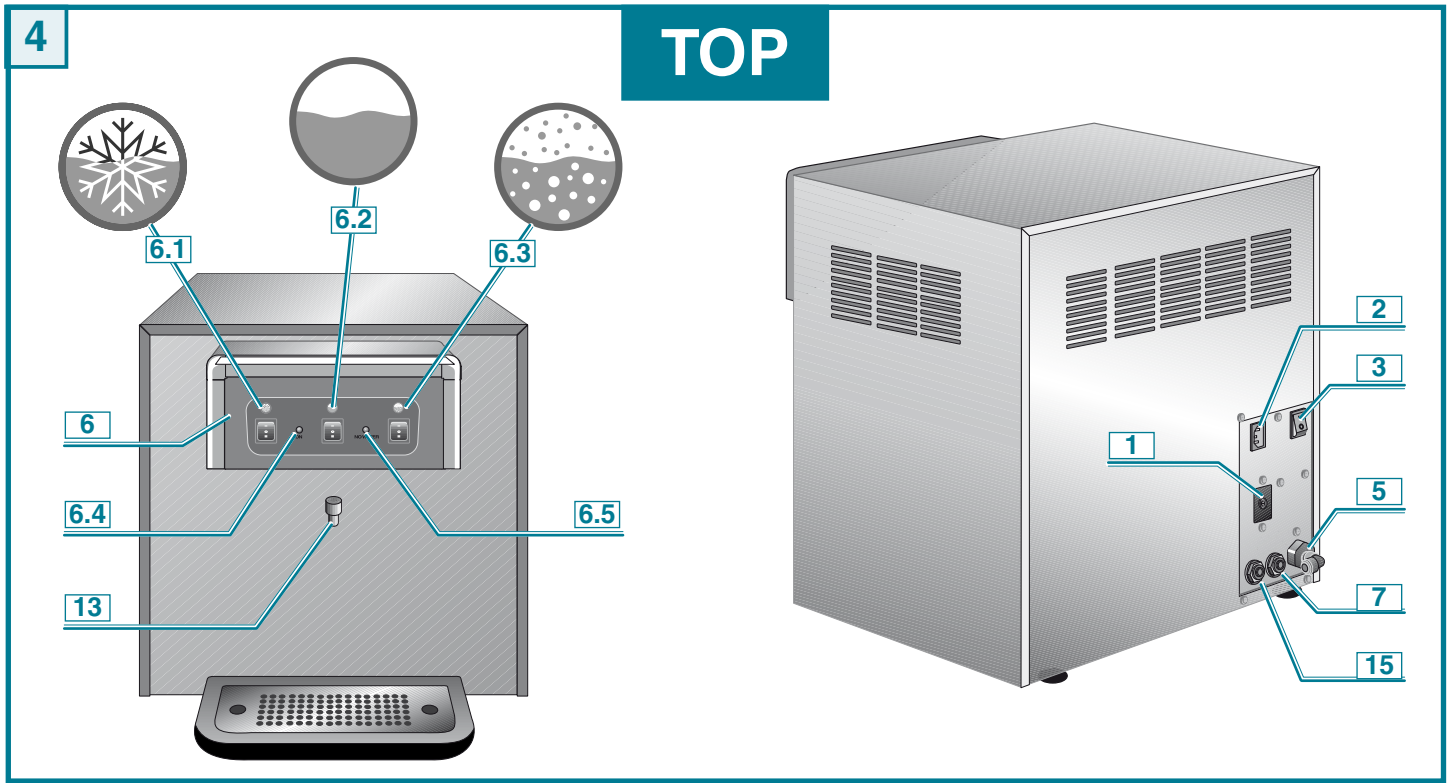
SL



GB 3.1 FREE STANDING MODELS

- | | |
|---|--|
| <ul style="list-style-type: none"> 1) Structure 2) Front panel 3) Panel fastening 4) Tray grille 5) Column 6) Top <ul style="list-style-type: none"> 6.1) Cold water button 6.2) Button for water at room temperature 6.3) Sparkling water button (WG models) 6.4) Network voltage warning light 6.5) No water warning light (WG models) 7) Load ice compartment (ø 8mm) 8) Data plates | <ul style="list-style-type: none"> 9) Distribution nozzle positioned in a protected area 10) Mains water inlet ø 8mm (or 3/4 M) 11) Power supply cable 12) Drain water (ø 24mm) and overflow ice compartment 13) Removable panel for compressor maintenance 14) Adjustable levelling feet 15) Main ON/OFF switch 16) Cold water thermostat 17) Removable panel of the distribution column |
|---|--|

- A) Continuous dispensing
- B) OFF
- C) Pulsating dispensing



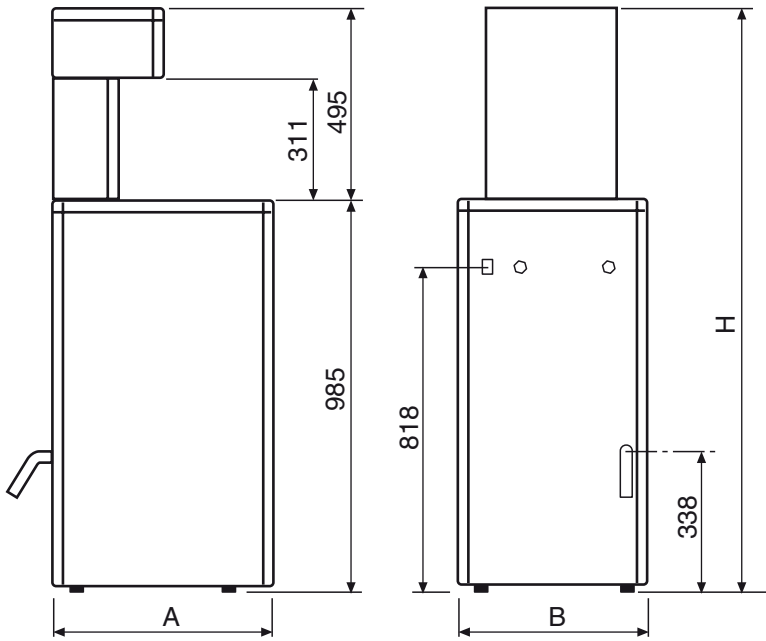
3.2 COUNTERTOP MODELS (TOP)

- 1) Cold water thermostat
- 2) Electrical power supply socket
- 3) Main switch
- 5) Mains water inlet \varnothing 8mm or 3/4 M
- 6) Top
 - 6.1) Cold water button
 - 6.2) Button for water at room temperature
 - 6.3) Sparkling water button (WG models)
 - 6.4) Network voltage warning light
 - 6.5) No water warning light (WG models)
- 7) Load ice compartment \varnothing 8mm
- 13) Ice compartment drain too full
- 15) CO₂ inlet \varnothing 8mm (WG models)

3.3 UNDERCOUNTER MODELS (IN)

- 1) Cold water thermostat
- 2) Electrical power supply socket
- 3) Main switch
- 5) Mains water inlet \varnothing 8mm or 3/8 F
- 7) Load ice compartment \varnothing 8mm
- 8) Cold water outlet \varnothing 8mm (OUT WATER)
- 9) Outlet for water at room temperature \varnothing 8mm (OUT AMBIENT)
- 10) Sparkling water outlet \varnothing 8mm (WG models) (OUT SODA)
- 11) Water re-circulation delivery
- 12) Water re-circulation return
- 13) Ice compartment drain overflow
- 14) Removable panel for compressor maintenance
- 15) CO₂ inlet \varnothing 8mm (WG models)

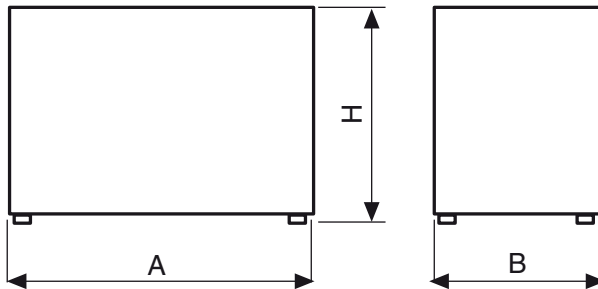
NIAGARA SL



Dimensions (mm)

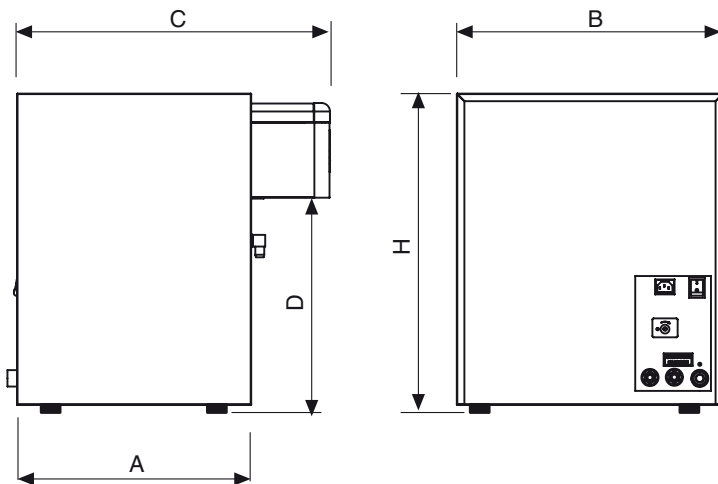
	65 SL 120 SL 180 SL	65 SLWG 120 SLWG 180 SLWG
A	405	560
B	480	480
H	1480	1480

NIAGARA IN



	IN 65 IN 65 WG	IN 120 IN 120 WG	TIN 180 IN 180 WG
A	420	480	530
B	350	350	350
H	500	500	500

NIAGARA TOP



	TOP 65 TOP 65 WG	TOP 120 TOP 120 WG	TOP 180 TOP 180 WG
A	370	370	370
B	422	482	532
C	495	495	495
D	345	345	345
H	510	510	510

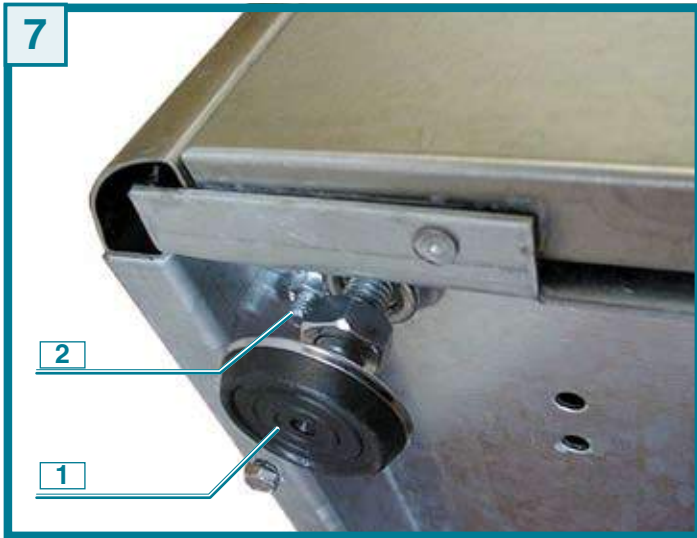
6.1

		NIAGARA SL						NIAGARA IN						NIAGARA TOP					
		65	65 WG	120	120 WG	180	180 WG	65	65 WG	120	120 WG	180	180 WG	65	65 WG	120	120 WG	180	180 WG
Water production	Lt/h	65	65	120	120	180	180	65	65	120	120	180	180	65	65	120	120	180	180
	usg/h	17,2	17,2	31,7	31,7	47,5	47,5	17,2	17,2	31,7	31,7	47,5	47,5	17,2	17,2	31,7	31,7	47,5	47,5
Water outlet temperature	°C	3 ÷ 10																	
	°F	38 ÷ 50																	
Continuous cold water production	Lt	40	40	70	70	100	100	40	40	70	70	100	100	40	40	70	70	100	100
	Usg	10,6	10,6	18,5	18,5	26,4	26,4	10,6	10,6	18,5	18,5	26,4	26,4	10,6	10,6	18,5	18,5	26,4	26,4
Ice bank	Kg	4,5	4,5	6,5	6,5	11,5	11,5	4,5	4,5	6,5	6,5	11,5	11,5	4,5	4,5	6,5	6,5	11,5	11,5
	lbs	10	10	14,3	14,3	25,3	25,3	10	10	14,3	14,3	25,3	25,3	10	10	14,3	14,3	25,3	25,3
Cooling system		Banco di ghiaccio / Ice bank / Eisbank / Banc de glace / Banco de hielo																	
Compressor	HP	1/6	1/6	1/3	1/3	1/3	1/3	1/6	1/6	1/3	1/3	1/3	1/3	1/6	1/6	1/3	1/3	1/3	1/3
Rated input	Watt	300	500	500	800	500	800	300	500	500	800	500	800	300	500	500	800	500	800
Supply	Volt/Hz	230 / 1 / 50 Hz																	
Carbonating system		-	•	-	•	-	•	-	•	-	•	-	•	-	•	-	•	-	•
Net weight	kg	33	41	39	49	52	60	29	37	37	45	43	51	32	40	40	48	51	60
	lbs	73	90	86	108	115	132	63,9	81,5	81,5	99,1	94,7	112,3	71	88	88	106	112	132
Charge	FREON R134A g	160	160	250	250	390	390	160	160	250	250	390	390	160	160	250	250	390	390
A-weighted sound pressure level		< 70 dB	< 70 dB	< 70 dB	< 70 dB	< 70 dB	< 70 dB	< 70 dB	< 70 dB	< 70 dB	< 70 dB	< 70 dB	< 70 dB	< 70 dB	< 70 dB	< 70 dB	< 70 dB	< 70 dB	< 70 dB

4.1 CONDITIONS OF THE SURROUNDINGS

ROOM TEMPERATURE:	Min 10°C
	Max 45°C





NI1404-F01



GB 5 INSTALLATION

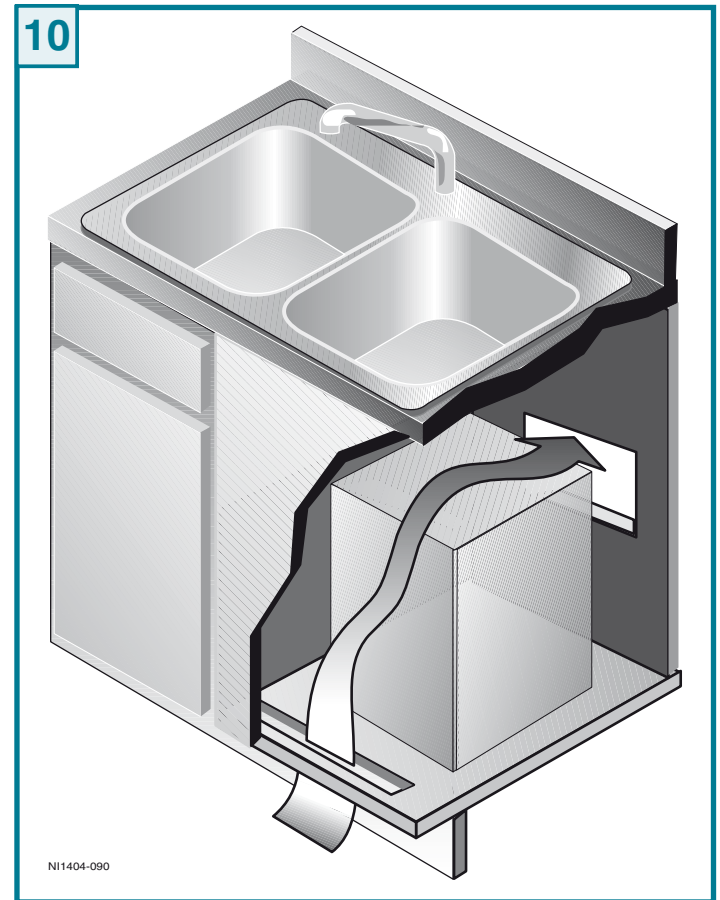
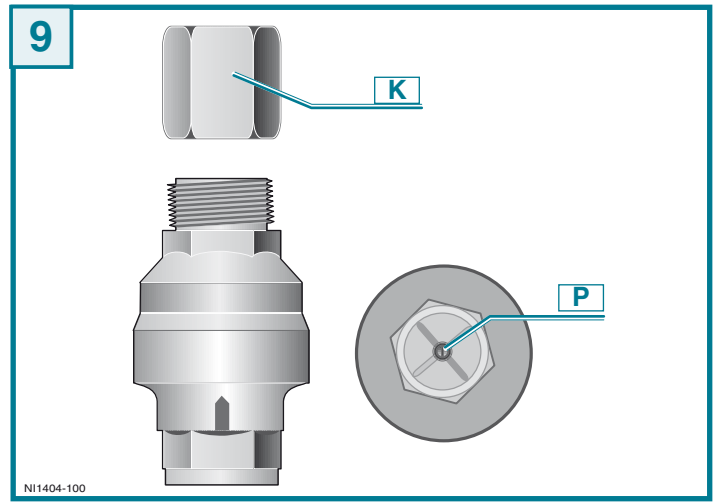
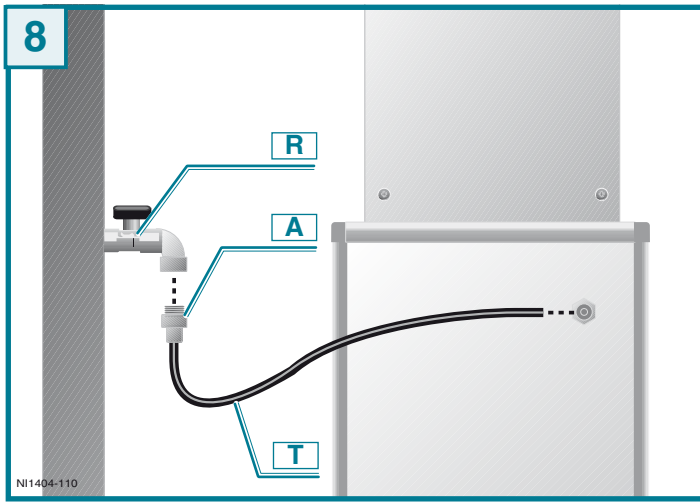
5.1 POSITIONING THE APPLIANCE

Position the appliance in the point of installation, away from sources of heat and direct sunlight.

The appliance is not suitable for outdoor use and it is also not recommended to install it in very damp rooms.


- Adjust the feet in ground models (1) to make the structure level (fig.7).
- The appliance should be positioned in such a way as to leave approximately **10 cm** of space free **S** for air to circulate freely; the condenser side must be easily accessible for cleaning.

- Special ventilation grills/slits must be prepared in the undercounter model's housing compartment to favour disposal of the heat produced by the refrigerating circuit (fig.10). We recommend creating 300x300 mm or of equivalent measure ventilation grills
- Make sure the water cooler is resting fully on all four supporting feet.
- For safe and correct functioning the appliance must be placed flat



GB 5 INSTALLATION

5.2 WATER CONNECTION TO THE MAINS

 **During connection of the appliance to the mains water supply, all pre-existing tubes, gaskets and joints placed between the appliance and the water mains connection must be replaced with new material to avoid contamination.**

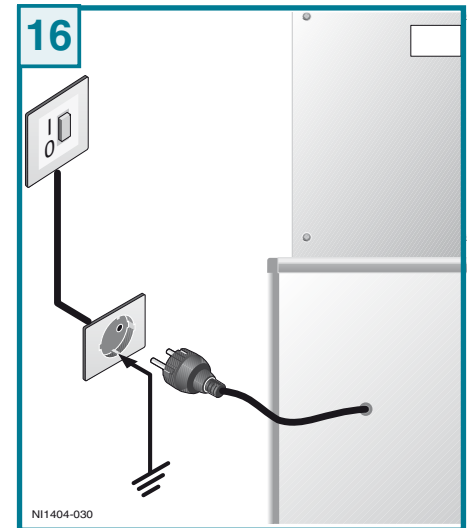
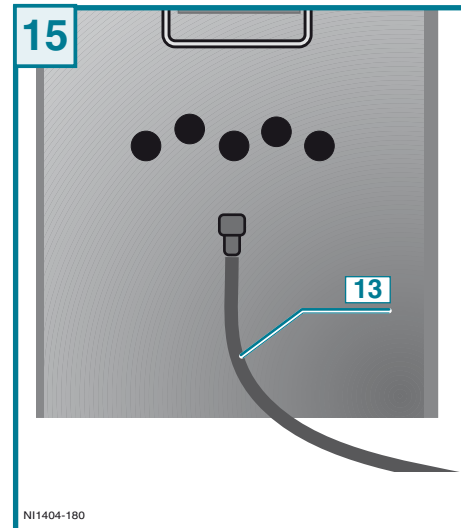
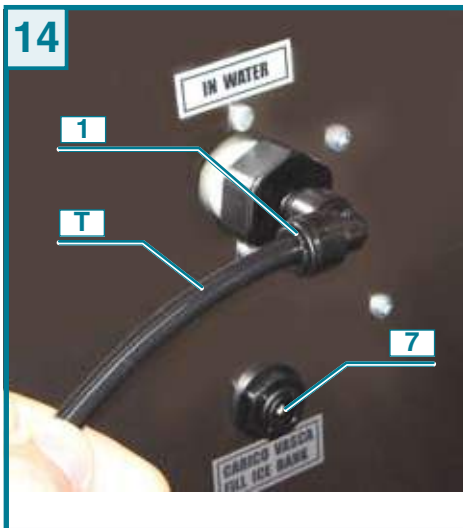
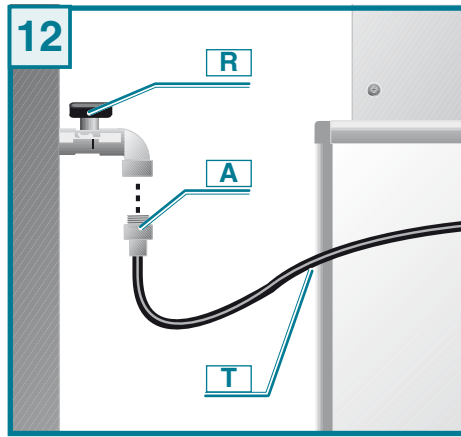
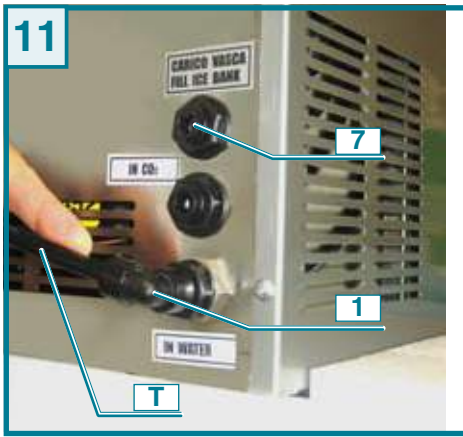
Before water connection, check that the network pressure is between 2 and 3 bar and flow more than 3.5 l/min.

- If the mains pressure is below **2 bar** or the flow rate is less than **3,5 l/min**, fit a device capable of increasing the mains pressure (such as an autoclave or similar).

N.B.: the pressure is especially important for those water coolers fitted with a carbonation device.

Attention! All models are equipped with a water pressure reducer calibrated at 3 bar, installed on the machine on ground models and supplied separately with other models.

- This water dispenser can be equipped with a WATER BLOCK anti-flooding device (optional) to prevent any accidental water leaks (fig.9). Once the WATER BLOCK device has intervened, fitting **K** should be disassembled and button **P** pressed to reset the device.
- If instead of being connected directly to the aqueduct the machine is connected to an autoclave pump, then it is necessary to install above the water supply an ANTISHOCK device to prevent "water hammers" (fig. 9.1)



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- On models IN and TOP the clean water drainage pipe of the ice bank 13 (if present) must be connected to a siphoned drain. If necessary cut the pipe to prevent narrowing or rising. In the SL models, the clean water drainage pipe is already provided with a siphon inside the cabinet (fig. 16.1); connect said pipe to the drainage ensuring it is not bent, otherwise it prevents the siphon from draining the water.
- Connection to the mains water supply is carried out with the aid of pipe T provided (8mm diameter).
- The pipe terminal A (fig. 12) (3/8") must be connected to the mains supply by means of a stop cock R (not provided).
- Connect the pipe T to the stop cock, making sure that the o-ring gasket is correctly positioned onto the attachment A.
- Connect the tube T to the connection 7 (FILL ICE BANK) and fill the ice tank; once reached the right level, the exceeding water is eliminated from the draining 13 (fig. 15).
- Take off tube T from the connection 7 and connect it in the connection 1 (IN WATER) exerting pressure as shown on picture 11 (IN models) or picture 14 (TOP and FLOOR models). The connection 7 (FILL ICE BANK) has to be

- disconnected.
- If you need to unfasten pipe T (fig. 13):
 - press onto the locking ring using an \varnothing 8mm spanner while at the same time pulling on the pipe to extract it.

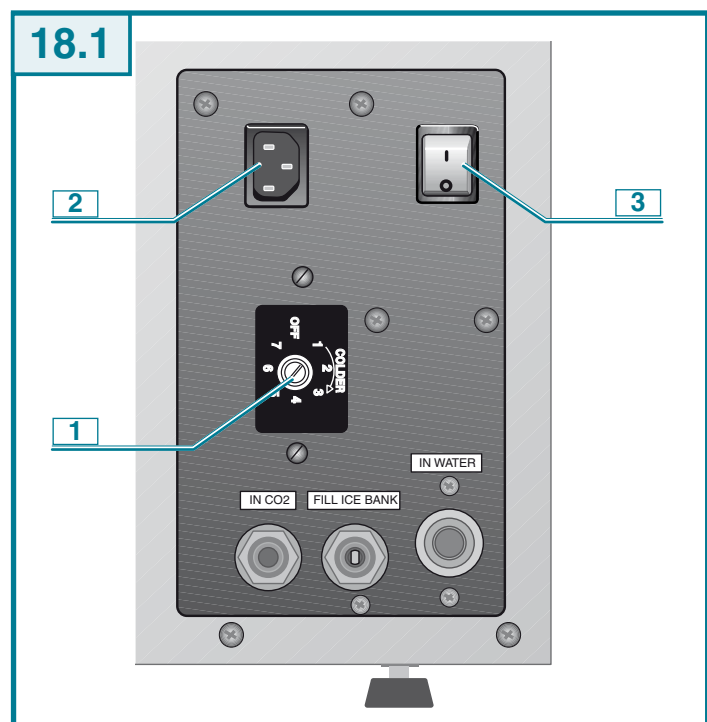
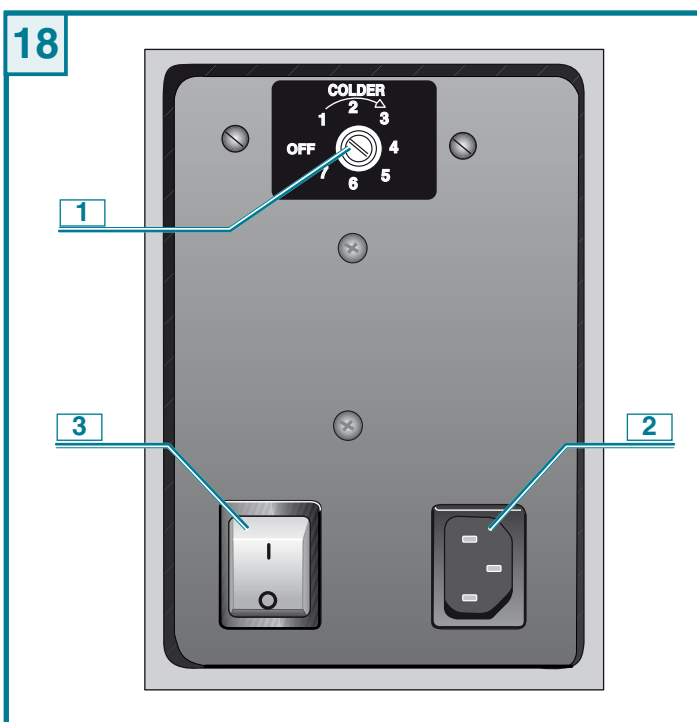
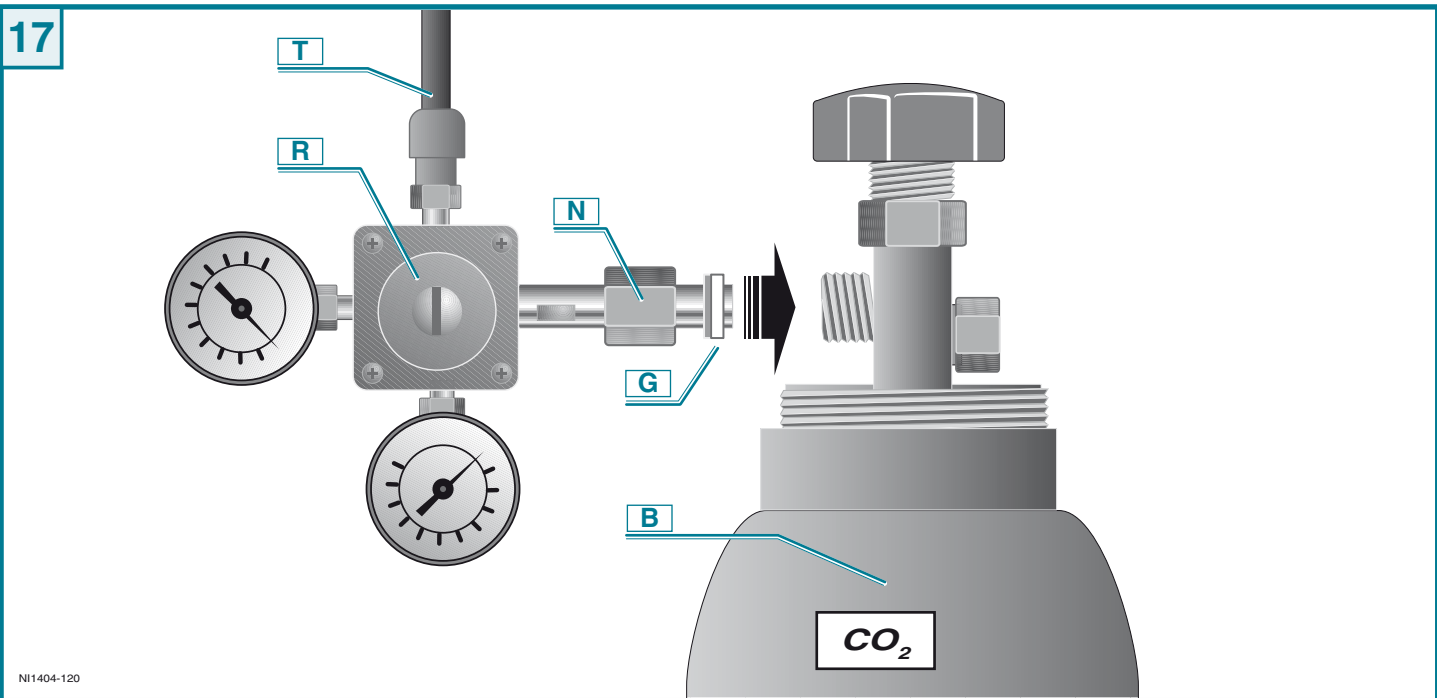
5.3 ELECTRICITY CONNECTION

Connection to the mains electricity supply is carried out by connecting the plug to a mains socket (fig. 16). The supply socket must be equipped with an efficient earth plate and it must be sized for the load of the appliance (see technical characteristics). Make sure that the mains voltage corresponds with what is specified on the data plate. Make sure that there is an omnipolar switch above the socket with a minimum contact break of 3 mm protected by fuses of suitable amperage for the absorption of the appliance itself (see technical characteristics and data plate).



The green luminous main ON/OFF switch, allows the easy disconnection of the appliance from the mains electricity supply







GB 6 STARTING

Warning! If the appliance has been laid down or turned upside down, you should wait at least 8 hours before starting it.

6.1 CIRCUIT FILLING


- Turn on the water tap and make sure there are no leaks.
- Adjust thermostat 1 in the maximum position.
- Turn on the main ON/OFF switch 3.
- Press the sparkling water button  until all the remaining air is eliminated from the circuit.
- Repeat the operation with the cold water button 

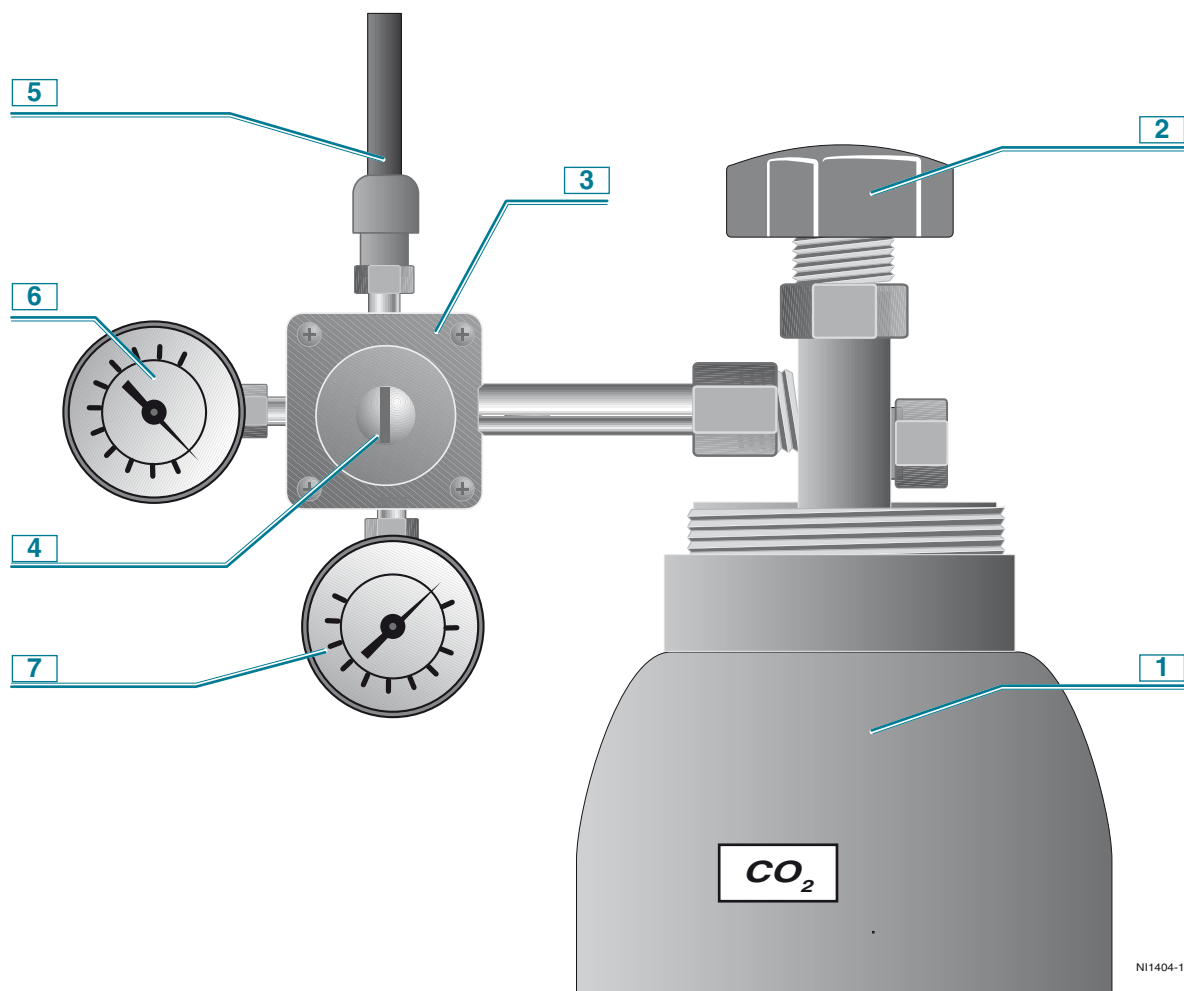
6.2 CONNECTION TO THE CO2 CYLINDER (WG models)

For the production of carbonated water, you must provide a CO₂ cylinder for alimentary use.

For cylinder dimensions and capacity, please refer to the “technical characteristics” chapter.

- Extract the front panel.
- Connect the pressure reducer R to the CO₂ cylinder B, making sure the gasket G is in the correct position.
- Tighten nut N and check that the pipe T (outlet) is well connected.
- Place the cylinder and reducer within the appliance, in the predisposed housing.
- The bottle has to be fixed with the special included pieces.

 **In counter top and under counter versions, the cylinder is placed outside the appliance. In the ground versions, the cylinder can be housed inside the cabinet, as long as it falls within the maximum dimensions: height 87 cm, diameter 17 cm.**



CO ₂ cylinder capacity	
4 Kg (8,8 lbs)	10 Kg (22 lbs)
700	1600
184,1	420,8


CO ₂ cylinder charging range ² Lt
700
184,1

6.3 SETTING UP THE SPARKLING WATER

- 1) CO₂ cylinder
- 2) CO₂ cylinder tap
- 3) CO₂ pressure regulator
- 4) CO₂ pressure adjusting screw
- 5) CO₂ outlet pipe
- 6) Cylinder internal pressure gauge
(shows whether there is any gas inside the cylinder)
- 7) Outlet CO₂ pressure gauge; the value should be of 3÷4 bars.
This value is set at the factory.
If necessary, turn screw 4.

NOTICE

CAUTION! AFTER TRANSPORTING, STORING AND USING CO₂ CYLINDERS, FOLLOW LOCAL REGULATIONS CONCERNING THEIR USE.

- Turn tap 2 of the CO₂ cylinder.
- Press the pushbutton for carbonated water .
- Let a few litres of water flow until carbonated water begins to come out.



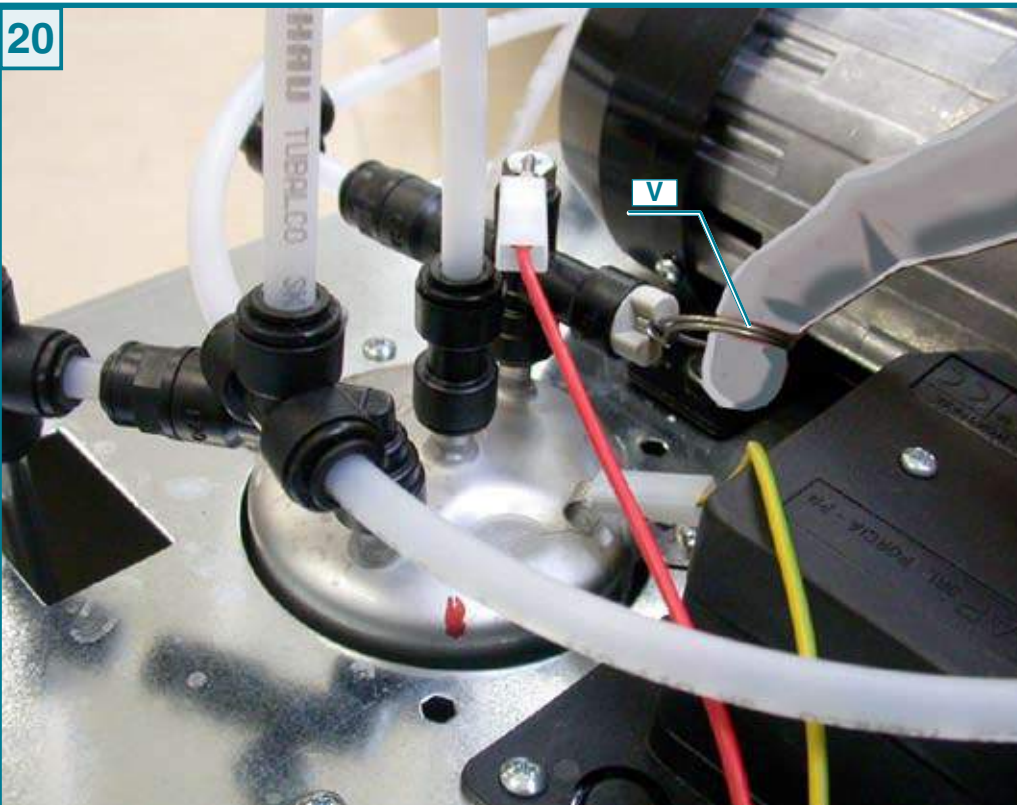
Attention!

The results of pressure variations on carbonation will only have effect when at least 2 litres of water have been drained off.



Attention!

Upon occurred installation, a correct flow of carbonated water takes about 20 seconds to distribute 1 litre.



20

Attention : to carry out this or any other maintenance operation requiring the machine casing to be opened, use protective gloves to avoid being cut by the sharp edges of the sheet steel



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Advice on using the appliance for carbonated water

To guarantee the correct operation of the pump in time, the appliance must always be operated with water in the cooling circuit.

If mains water is insufficient, a protection system intervenes and blocks pump functioning (the NO WATER warning light is illuminated).

- The pump is blocked after **4 minutes** of continual working.

To restore functioning the apparatus must be disconnected from the electrical network and reconnected when there is sufficient water in the mains system.

The quality of the carbonation process also depends on the temperature of the water, which means you should wait for the water cooler to have cooled the water down sufficiently upon installation and the ice bank has been formed.

Both still and carbonated water can be dispensed by pressing the relative buttons after approximately **40 minutes**.

When installing the appliance, or when replacing the CO₂ cylinder, or if the water cooler has no water left inside it, a few air bubbles may enter the

carbonation device.

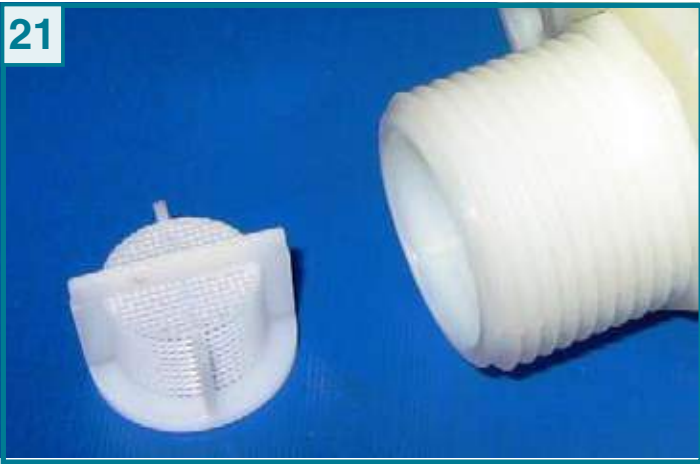
These air bubbles could diminish the quality of the carbonation process, and we therefore recommend you remove them:

- Close the CO₂ cylinder
- Drain the circuit by pulling the outlet valve ring V.
- Reopen the CO₂ cylinder
- Drain off at least two litres of sparkling water

6.4 HYGIENIC CLEANING

- Once you have checked that the appliance works properly, go on to the “internal cleaning and hygienic cleaning” stage as described in chapter 8.

21



21.1



Maintenance operations should be carried out by a qualified professional.
Be careful also not to damage the refrigerator system circuit.

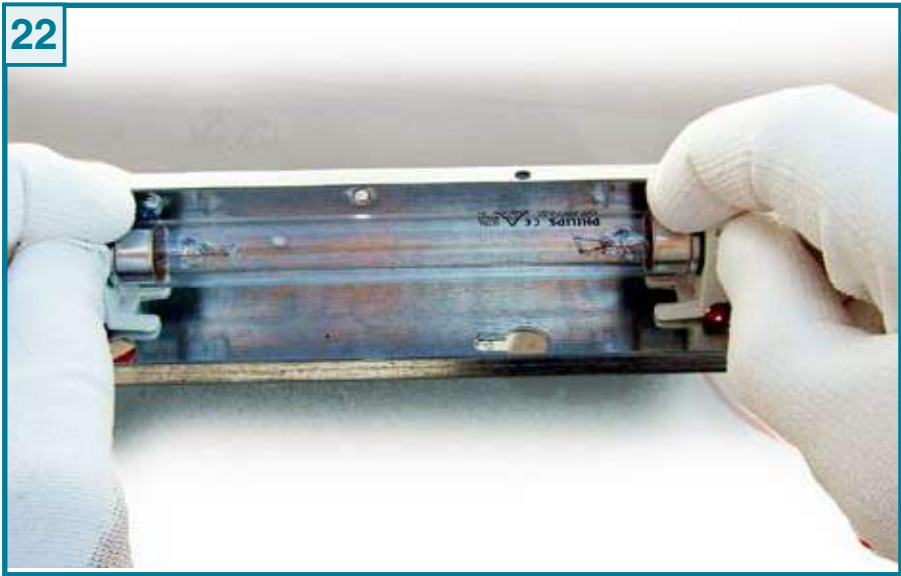
21.2



GB 7 ROUTINE MAINTENANCE

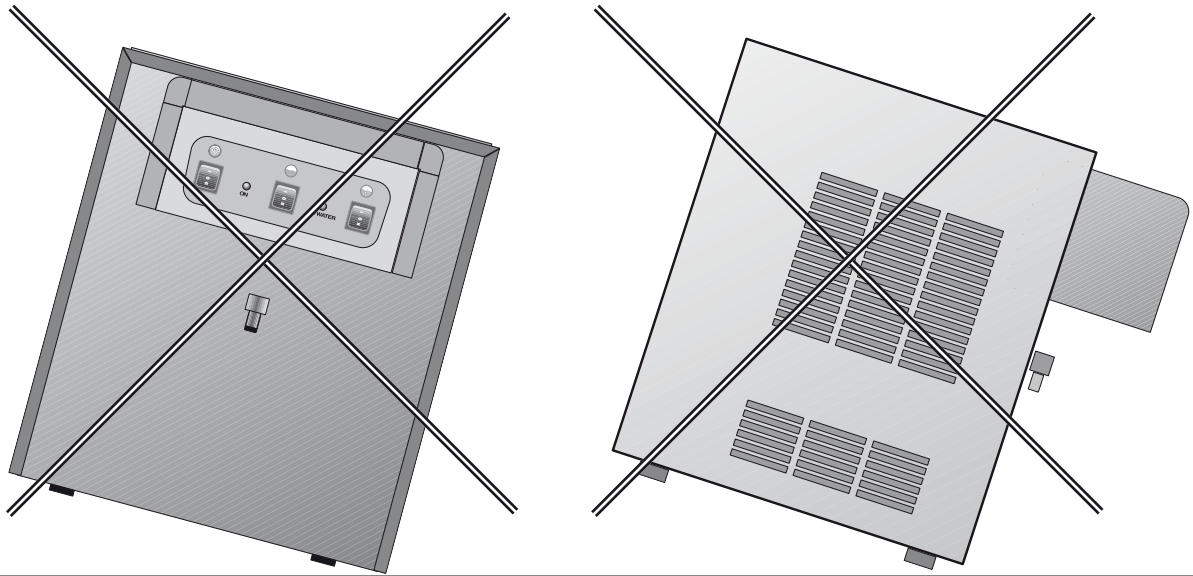
Cleaning the outside of the appliance	- Clean the external part with a damp cloth, do not use solvents or abrasive detergents	
CO2 cylinder replacement	- Close the CO ₂ cylinder. - Disconnect the pressure reducer. - Fit the cylinder on as described in the Installation chapter	When it drains (check on manometer 6)
Tray cleaning	- Clean the tray and remove any residue that could obstruct the drain pipe (where present).	Every week
Cleaning the mechanical water filter (TOP and GROUND models)	- Disassemble the inlet pipe fitting, pull the filter using pliers and remove any impurities (fig.21).	Every month
Cleaning the fridge condenser	- Remove any dust or dirt using a vacuum cleaner or similar appliance - Do not use compressed air jets. - Do not use metal brushes.	Every month
Cleaning the water dispensing spouts	- Remove the steel nozzle nozzle using the appropriate spanner and eliminate all the limestone with a food descaling solution (fig.21.1 - 21.2).	Depending on the hardness of the water from the mains
Descaling the carbonation pump (WG versions)	- Take down the pump from the unit and remove scaling using a food-safe descaling solution	Depending on the hardness of the water from the mains

22




NI1404-F0004


22.1

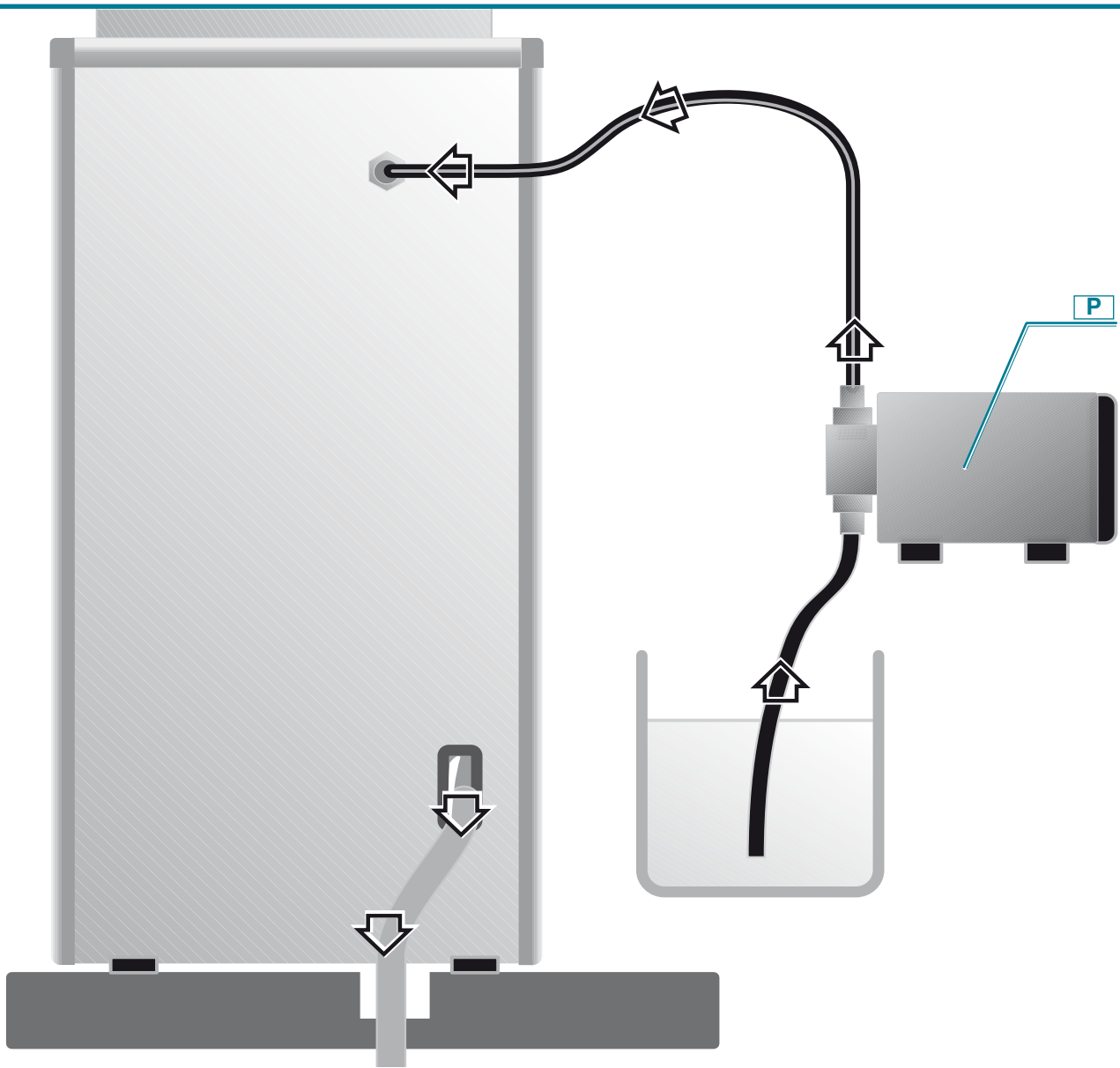


GB 7 ROUTINE MAINTENANCE

Power supply cable	- Check the condition and soundness of the electricity supply cable.	Every month
Hydraulic connection control	- Check the condition and soundness of the water supply pipe and that the drain pipe is in good order. - Make sure there are no leaks.	Every month
Water exchange in the ice compartment	- Switch the appliance off and wait at least 4 hours for defrosting. - Disconnect the water network supply pipe and connect it to attachment 7 (fig 3,4 or 5) - drain the water off for a few minutes to change the entire content of the compartment - Reconnect the supply pipe correctly.	Every six months
Replace the distribution area UV bulb (if present)	- Wear protection latex disposable gloves to avoid touching the lamp with your hands. The contact with the skin can prejudice the duration of the lamp - Enter the appliance near to the distribution area. - Unscrew the tightening screw and remove the cover (fig.22) - remove the lamp and replace it with one of the same kind. - mount again all the components in reverse	Every 6000 hours of functioning (about 8 months)

 **Attention!** The machine must not be tilted to empty the ice bank otherwise the water reaches the electrical parts (fig. 22.1). It is essential to switch off the appliance and wait about 4 hours for defrosting; open the casing of the machine and insert a pipe inside the bank to suck the water present.

 **Attention!** direct irradiation of the UV lamp is dangerous both for the eyes and for the skin



GB 8 INTERNAL CLEANING/ HYGIENIC CLEANING

WARNING! Considering that the products used for the hygienic cleaning are acid and alkali corrosive substances, disposable gloves must be used as well as glasses to protect your eyes. When this hygienic cleaning is carried out, you must keep to the product reaction times, percentages of hygienic detergent and quantity of water necessary for rinsing.

- The operation of higienization/sterilization has to be carried out every time the refrigerator is installed and:
 - every 6 months when it is used (*)
 - every time the water filter is changed
 - after an inoperative period of one or more weeks
- (*)If the refrigerator is installed in Hospitals, Schools, Old people's homes, or Clinics, it is recommended to sterilize it every 3 months

Hygienic cleaning solution preparation

- Prepare 5 litres of water
- Add to it 5% of "hydrogen peroxide" at 130 volumes; for the doses, use a graded measure or an ordinary syringe

NB: if you use commercial hygienic cleaning solutions, keep to the instructions provided by the manufacturer and included in the package.

**Warning! If the appliance is equipped with a chlorine filter, proceed as follows:
Remove the filter cartridge and fit on the false cartridge mod. TEST CAN.**

- With the help of a pump P, connect the appliance's water inlet to the container with the disinfecting solution.
- Start the pump up so a disinfectant solution enters the machine and then, at the same time, open the taps so that the disinfectant runs from the distribution nozzles.
- Before the solution runs out, stop the pump and interrupt the dispensing.
- Leave the disinfectant to act for at least **20 minutes**.
- Reconnect the appliance to the mains water supply.
- Let at least **15 litres** of water flow out of the taps so as to **rinse** the hydraulic system **suitably**, before using the appliance again.

GB 9 FAULTS AND REMEDIES



Warning! The operations should be carried out by a qualified professional.

9.1 DIAGNOSIS AND OPERATING ANOMALIES

This section includes the typical anomalies that could occur.

Many of these problems are not caused by the cooler, but they could be brought about by the electricity supply or by an incorrect use of the water cooler.

In the **ANOMALY** column, the problems reported by the customer are listed.

In the **POSSIBLE CAUSES** column, the "probable reasons" behind the problem are listed.

In the **INTERVENTION** column, the corresponding corrective action is listed.

9.2 COOLING SYSTEM

ANOMALY	POSSIBLE CAUSE	INTERVENTION
the compressor will not start	- power failure	- check that there is voltage in the plug
	- thermostat on the off position, or set to the minimum	- adjust the thermostat position
	- faulty thermostat	- replace the thermostat
	- the over-load protection of the compressor is faulty	- replace it
	- the starting relay is faulty	- replace it
	- the starting capacitor is faulty	- replace it
	- the compressor is faulty	- replace it
the water is cold but the appliance is operating excessively or non-stop	- little ventilation	- place the appliance away from the wall
	- the condenser is dirty or covered	- clean the condenser or free it of its obstacles
	- the thermostat is on maximum cold position	- adjust it
	- the room temperature is higher than 32°C	- it is normal that the appliance works at a continuously high room temperature
the compressor works continuously, but the water is not cold	- gas leak from the cooling system	- contact a specialised technician (refrigerationist)
	- the compressor is faulty	- replace the compressor

COOLING SYSTEM

too much noise coming from the appliance, but it is working normally	- the machine is not levelled	- level the appliance using the adjustable feet
	- a few pipes are touching some parts inside the appliance, thus causing it to vibrate	- adjust the position of the pipes, making sure they do not touch any other parts
l'acqua fredda esce piano o non esce	- low pressure of the inlet water	- take steps to increase the pressure (autoclave)
	- faulty solenoid valve	- replace it
	- clogged water filter	- replace it
	- the temperature adjuster is faulty and causes complete freezing of the ice compartment	- make the ice melt. replace the temperature adjuster

CARBONATING SYSTEM

the carbonated water is not very fizzy or not at all	- the pressure of the gas in the co2 reducer is set to less than 3 bars	- increase up to 3.5 – 4 bars
	- co2 cylinder empty	- replace it
	- the temperature of the outlet water is high	- adjust the position of the thermostat to maximum
	- air bubbles inside the carbonator	- clean out the carbonator
only gas comes out of the carbonated water outlet	- the level probes are dirty	- control and replace
	- the pump turns continuously	- no water is entering or the water filter is blocked
	- the pump turns continuously, inlet water is present	- the pipe fitting into the carbonator is obstructed. disassemble and clean
	- the pump is blocked or the pump-motor is not working	- check it and replace it
	- the level controller is faulty	- control and replace
continuous dripping from the outlets	- the pump safety device has intervened (no water)	- check that there is pressure in the network disconnect and reconnect the machine from the electrical network to reset it
	- dirty solenoid valve	- disassemble the solenoid valve and clean it
the still water comes out carbonated	- there is a shortage of inlet water	- disassemble and clean or replace

