AQUALITY POU

Important Instructions for all Cosmetal Ice bank Coolers !

Ice Bank Coolers are very different to Direct Chill or Tank Fed Coolers.

Read the first two pages of the Installation Instructions to ensure the system is setup correctly.

Cosmetal Installation Guidance

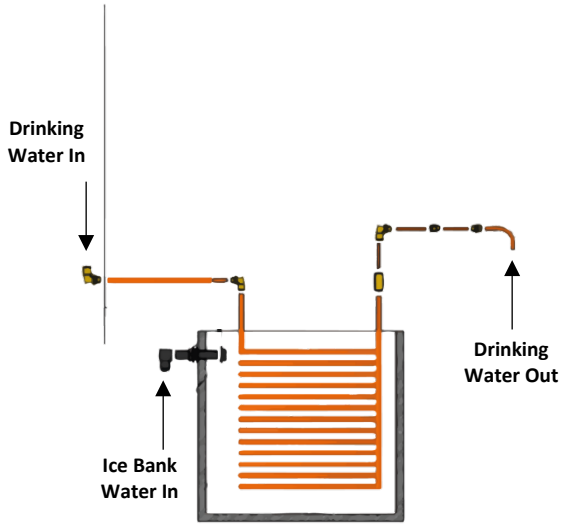
Caution: If the chiller has been lying down or upside down, leave it upright for at least 4 hours before use.

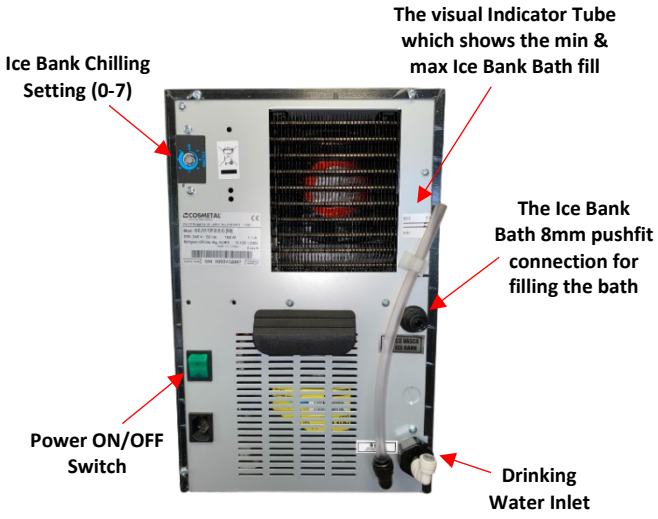
The below instructions are provided for summary guidance purposes for more detailed information please refer to the manual provided with the unit or download from our website.

1. **Select a suitable installation site:** Power within 1 metre, Potable water supply, Flat surface, Drainage in case of the Niagara FS or recessed drip trays, allow space around the cooler for ventilation – IN (Under counter) Models will require ventilation in the cupboard. Ensure you have a minimum of 2 bar water pressure and regulate the mains pressure with the pressure reducing valve to 3 bar.
2. **Connect the plumbing rail (PFRAILKITCOS)** to the mains, follow instructions provided with the kit. If using another kit, ensure you have the correct adapters and tubing before attempting installation. Cosmetal use 8mm fittings (equivalent to 5/16" imperial) on the inlet and 6mm fittings between the IN (under sink) units and the taps. Cosmetal supply the appropriate fittings as above with some 6mm and 8mm tubing. The PFRAILKITCOS plumbing rail has 8mm connections and a Fibredyne filter candle, both of which optimise the flow rate and chlorine removal capacity. Using a PFRAILKIT with Carbon Block Candle, or a PFRAILKITNANO with NANOF Candle requires ¼" diameter pipes. You will need an adapter at the Cosmetal unit's inlet to convert the ¼" to 8mm. The combination of the narrower ¼" pipe and the Carbon Block Candle can affect the flow rate adversely. To mitigate against that you can.
   - Change the Carbon Block Candle for an NANOF Candle which offers higher flow rates and a low pressure drop.
   - Reduce any ¼" pipe length should be as short as possible.
   - Open up the Pressure Regulator to increase the flow if on a low-pressure site.

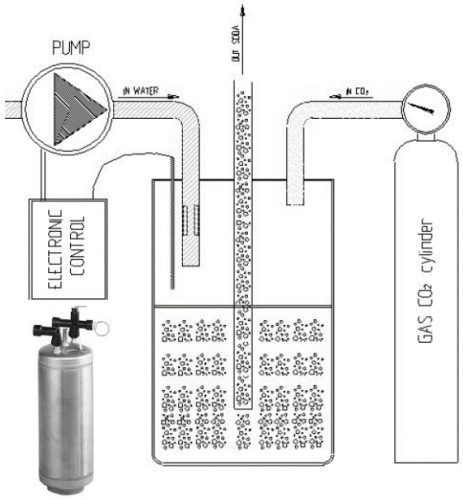
   We recommend you install a **scale removal filter with the Prostream boiler** system in hard water areas. We can supply the Brita C150 filter to facilitate this.

3. **To fill the ice bank;** refer to the manual for the different methods. Connect the pipe to the ice bank inlet and fill. Most models have a **visual indicator tube** on the back of the unit to identify the correct fill level. This tube can also be used to drain the ice bank before moving or relocation. Fill the ice bank to the max level. The Niagara free standing system does not have a visual indicator tube. Connect the drainage hose supplied at the back and drain into a bucket. Connect the incoming water to the ice bank inlet and fill the ice bank until the water runs from the drainage hose. To drain the Niagara ice bank you need to syphone or pump the water out.



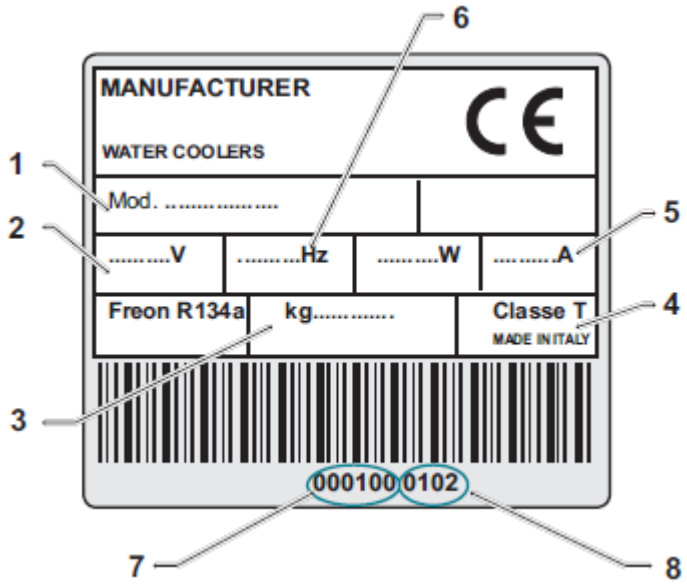


4. **Connect the inlet water supply:**
   Disconnect incoming water feed from the ice bank and connect into the 8mm-5/16" water inlet fitting, located on the back of the cooler. Note some models have a ¾" male BSP fitting, use the parts provide to adapt to 8mm.
5. **Turn the water and power on** and dispense water through all taps. Check for any leaks.
6. **With Gas versions,** connect the CO2 bottle to the CO2 Inlet. The recommended gas pressure should be no greater than 4 bar. Please note the CO2 pressure should be greater than the water pressure. Only turn the gas on after the tank has been filled (see step 5)



7. **Set the thermostat** we recommend you set the stat to 5 on the mechanical stats. (all models excluding the electronic control versions) Turn the stat clockwise to 5. Do not set to 7 as this could freeze the Ice bank.

8. **Set the thermostat on EC (Electronic Control) versions.** Thermostat settings can be adjusted through the control panel. The LCD panel will display the current setting and we recommend you check this during installation. The default settings are +2 C for the summer months and +2 C for the winter. We recommend you set both to +2C if they are not set like this already. Please see the instruction manual for programming instructions. **Failure to set the thermostat correctly could lead to a frozen ice bank and malfunction.**



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

EN CONFORMANCE STATEMENT

This appliance has been manufactured with suitable materials for use with drinking water.

This product was designed, made and put on the market respecting the following conformities:

• Following EC requirements safety objectives of the 2014/35 UE/LVD;

• Protection requisites of 2014/30/UE EMC.

EN 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 manufacturer reserves the right to change the product and its instructions manual without prior notice or updating of previous productions

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

Place of installation

This equipment is intended for domestic and other similar uses, such as:

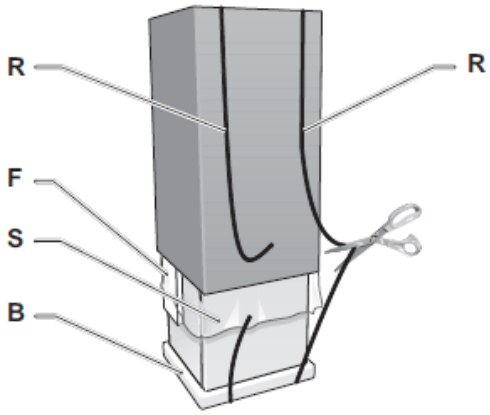
- Kitchen areas, shops, offices and other work environments
- Rural homes, hotels, motels and other residential buildings
- B&Bs and guest houses
- Catering services and similar retailers.

- 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 use in open places.

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.
- Do not spray water on the device; this could cause electric shocks or fires.
- The appliance must not be installed where water jets can be generated.
- 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.
- 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.
- The equipment must not be used by children under 8 years of age or by people with physical, sensory or mental health problems, or people who lack the experience or the necessary knowledge, unless under surveillance and not before they have received the relevant instructions on how to use the equipment safely and they understand the inherent dangers.
  Cleaning and maintenance for which the user is responsible must not be performed by children unless they are older than 8 yrs and supervised by an adult.

1



EN 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**.

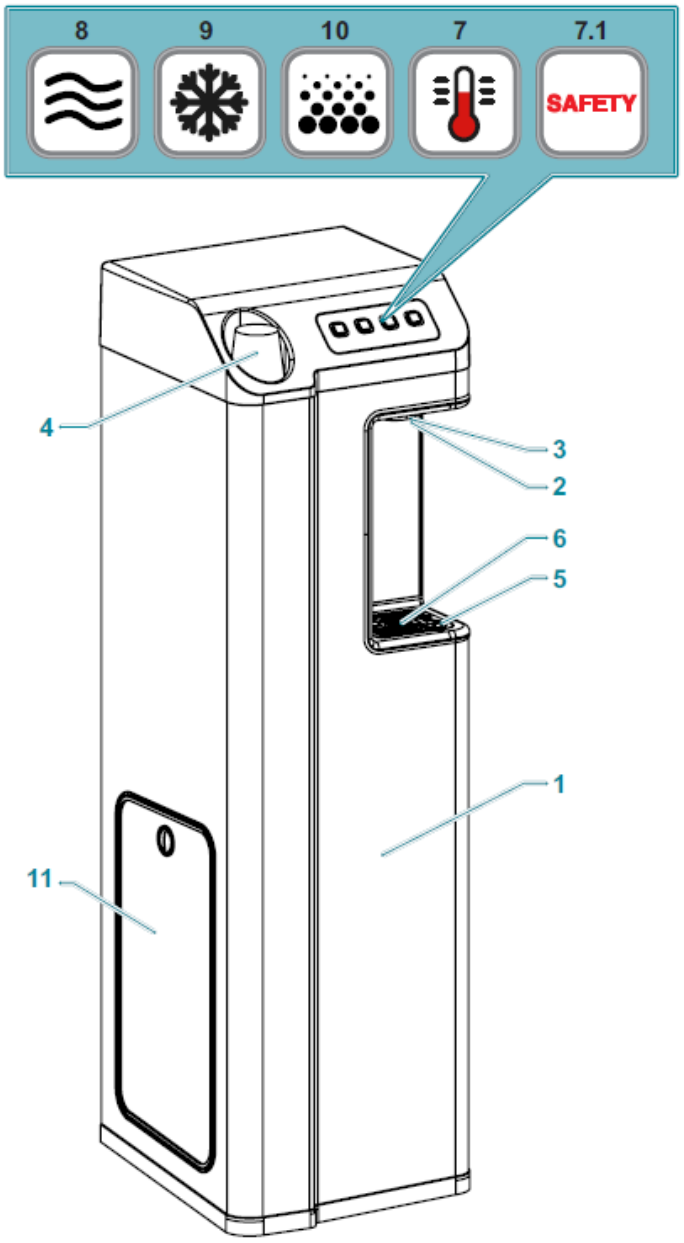
2.1 ADVICE ON HOW TO PROTECT THE ENVIRONMENT

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 2012/19/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.

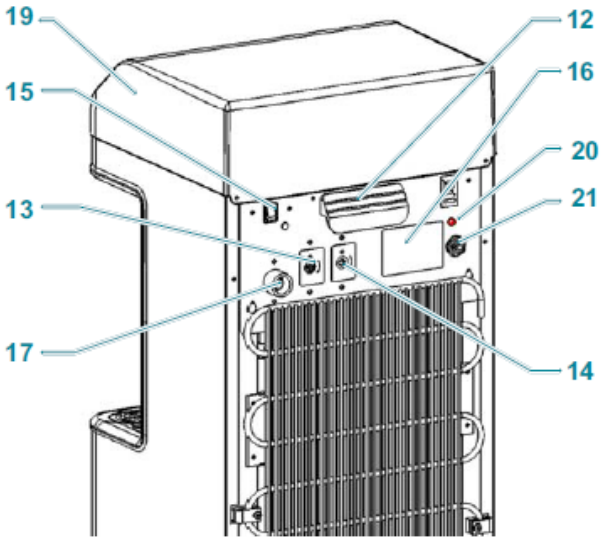
The symbol on the product, or on the documents accompanying the product, indicates that this appliance may not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment.

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.

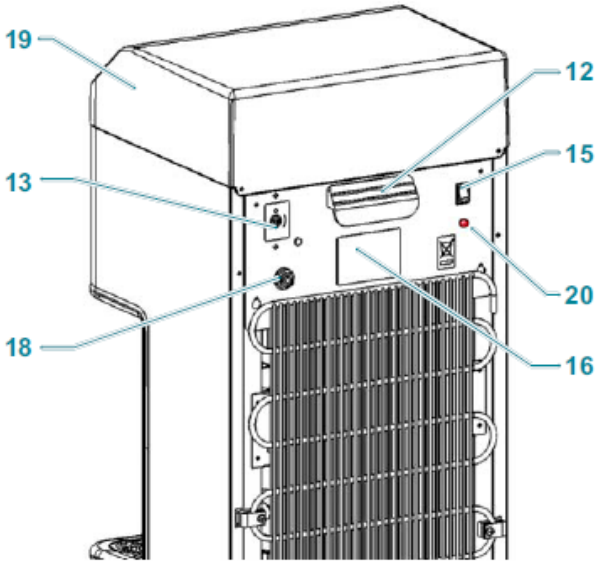
2



VERSION "/C" - "IB"



VERSION "RI"



EN 3 DESCRIPTION OF THE APPLIANCE

has been designed to offer maximum hygiene and function of use, together with an innovative design.
It supply large quantities of hot and cold water:
It must always be connected to a water mains of drinkable water and can be fitted with special filtering kits it comes with an internal cooling system, able to provide refrigerated water at 8 ÷ 12°C.

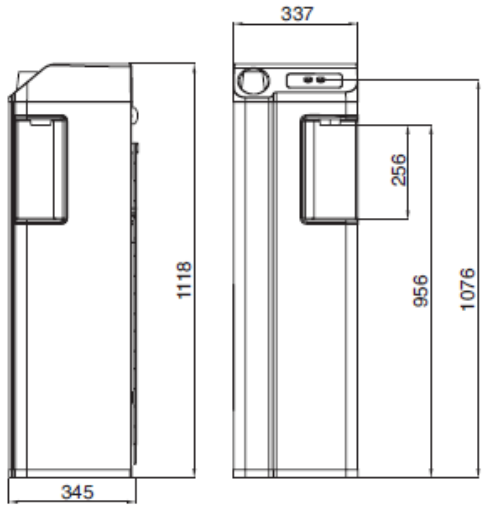
The appliance is equipped with a safety solenoid valve at the inlet anti-flood
device ("/C" - "IB" version)
The cover can be dismantled easily to facilitate access to the internal parts.

1 **Structure**
2 **Distribution nozzle positioned in a protected area**
3 **UV safety system (optional)**
provides protection against bacteria in the water dispenser area
4 **Cup container:** encased in the unit, it offers greater protection against dust and foreign bodies.
5 **Water collection tray**
removable and provided with red indicator 6 (full tray).
7 **Hot water dispenser pushbutton:**
with safety unit 7.1 which prevents accidental start (Version ACH).
8 **Button for water at room temperature**
9 **Cold water button**
10 **Sparkling water button**
11 **Space for filters and CO2 cylinder**
12 **Handle**
13 **Cold water thermostat**
14 **Hot water thermostat**
15 **Hot water switch (Version "Hot water")**
16 **Appliance data plate (ID tag)**
17 **Water inlet ¾M or ¼ (Version "/C" - "IB")**
18 **Water inlet ¼ (Version "RI")**
19 **Top cover**
20 **No water warning light (Version "Sparkling water")**
21 **Fill ice bank**

EN 4 TECHNICAL CHARACTERISTICS

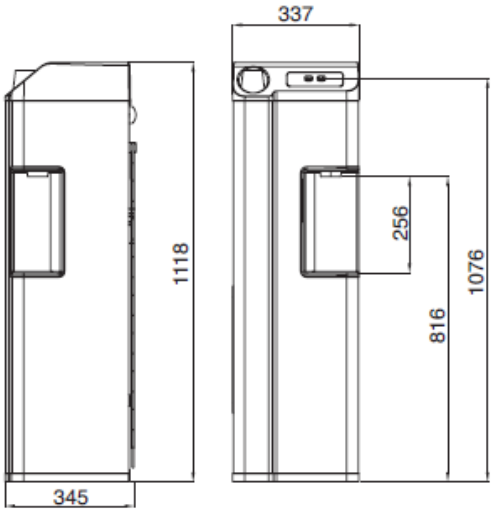
3

VERSION "/C" - "IB"



Dimensioni
Dimensions
Abmessungen
Dimensions
Dimensiones
(mm)

VERSION "RI"



4.1 CONDITIONS OF THE SURROUNDINGS

Temperatura ambiente		
Room temperature	**Min**	**10°C**
Raumtemperatur	**Max**	**45°C**
Temperature ambiante		
Temperatura ambiente		

		22 /C AC	22/C ACH	28 IB AC	28 IB ACH	28 IB ACWG	28 IB CHWG	20 IB AC	20 IB ACH	22 RI AC	22 RI ACH	22 RI ACWG	22 RI CHWG
Produzione acqua Water production Trinkwasserproduktion Production d'eau Producción de agua	ℓ/h usg/h	22 5,8	22 (13) 5,8 (3,4)	28 7,4	28 (13) 7,4 (3,4)	28 7,4	28 (13) 7,4 (3,4)	20 5,2	20 (8) 5,2 (2,1)	22 5,8	22 (8) 5,8 (2,1)	22 5,8	22 (8) 5,8 (2,1)
Temp. uscita acqua Water outlet temperature Temperatur des gespendeten Wassers Temperature sortie de l'eau Temp. de salida del agua	°C °F	8 ÷ 12 46 ÷ 53	8 ÷ 12 (95) 46 ÷ 53 (203)	3 ÷ 10 37,4÷50	3 ÷ 10 (95) 37,4÷50 (203)	3 ÷ 10 37,4 ÷ 50	3 ÷ 10 (95) 37,4÷50 (203)	3 ÷ 10 37,4 ÷ 50	3 ÷ 10 (95) 37,4÷50 (203)	8 ÷ 12 46 ÷ 53	8 ÷ 12 (90) 46 ÷ 53 (194)	8 ÷ 12 46 ÷ 53	8 ÷ 12 (90) 46 ÷ 53 (194)
Raffreddamento diretto Direct cooling Direkte Kühlung Refroidissement direct Enfriamento directo		●	●										
Ghiaccio in vasca Ice inside the ICE BANK Eis im Eisbank Glace dans le banc de glace Hielo dentro del banco de hielo				1,5	1,5	1,5	1,5	1	1				
Capacità serbatoio caldo Warm tank capacity Fassungsvermögen des kaltwasser Tank Capacitée reservoir chaude Capacidad del depósito caliente	ℓ usg		1,5 0,4		1,5 0,4		1,5 0,4		1 0,26		1,55 0,41		1,55 0,41
Capacità serbatoio freddo Cold tank capacity Fassungsvermögen des warmwasser Tank Capacitée reservoir froid Capacidad del depósito frío	ℓ usg									3 0,8	3 0,8	3 0,8	3 0,8
Compressore / Compressor / Verdichter Compresseur / Compresor	HP	1/10	1/10	1/10	1/10	1/10	1/10	1/10	1/10	1/10	1/10	1/10	1/10
Portata della pompa Pump flowrate Durchfluss der Pumpe Débit de la pompe Caudal de la bomba	ℓ/h usg/h					80 21,13	80 21,13					80 21,13	80 21,13
Assorbimento totale Total rated input Gesamtaufnahme Absorption totale Total absorción	Watt	150	1310	150	1350	310	1510	150	850	140	590	310	760
Alimentazione Supply Stromzufuhr Aliment. Alimentación	Volt/Hz	220 - 240 / 1 / 50 Hz Eventuali voltaggi speciali sono indicati nella targhetta "matricola". Any special voltages are indicated on the plate "serial number"". Alle Sonderspannungen sind auf der Platte "Seriennummer" angegeben. Les tensions spéciales sont indiquées sur la plaque "numéro de série" Cualquier tensión especiales están indicados en la placa de "número de serie".											
Peso netto / Net weight / Nettogewicht Poids net / Peso neto	kg lbs	22 48,5	24 52,9	23 50,7	25 55,1	25 55,1	27 59,5	21 46,3	22 48,5	19 41,9	20 44,1	24 52,9	25 55,1
Peso lordo / Gross weight Bruttogewicht Poids brut / Peso bruto	kg lbs	24 53	26 57,3	25 55,1	27 59,5	27 59,5	29 64	23 50,7	24 52,9	21 46,3	22 48,5	26 57,3	27 59,5
Dimensioni imballo Packing dimensions Verpackungsabmessungen Dimensions imballage Dimensión del embalaje	mm	370 x 370 x 1180 h											
		●	●	●	●	●		●	●	●	●	●	
		●	●	●	●	●	●	●	●	●	●	●	●
						●	●					●	●
			●		●		●		●		●		●
Carica Charge Füllmenge Charge Carga	g FREON R134A	75	75	60	60	60	60	100	100	60	60	67	55
Livello di pressione sonora ponderato A A-weighted sound pressure level A-Schalldruckpegel Niveau de pression sonore pondéré A Nivel de presión sonora ponderado A	dB	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70

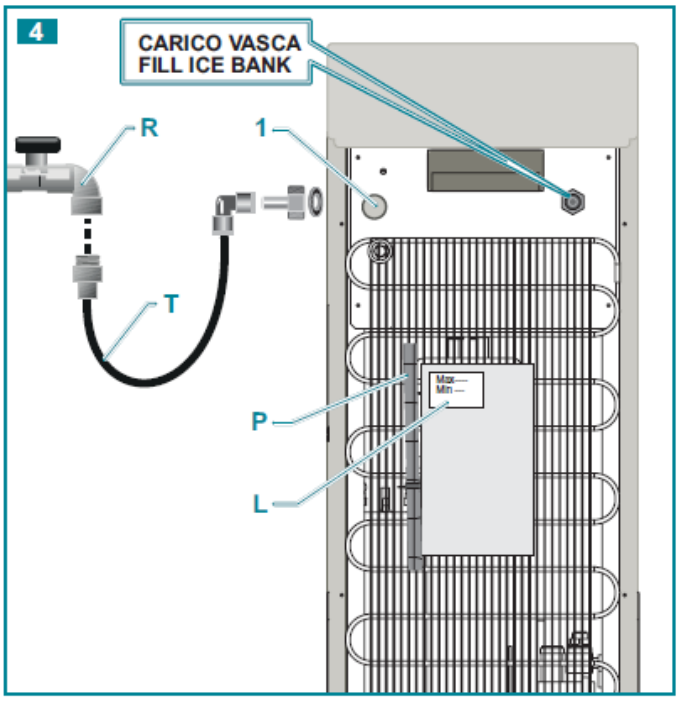
EN 5 INSTALLATION

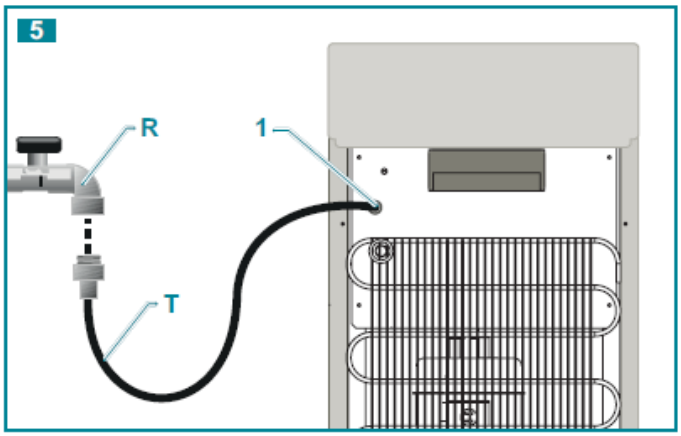
- Do not install the machine in excessively damp and dusty places, exposed to direct sunlight, outdoors or near to heat sources.
  Machine installation in these places could cause fires or electric shocks.
- The appliance is not suitable for use in open places.
- The appliance must not be installed where water jets can be generated.

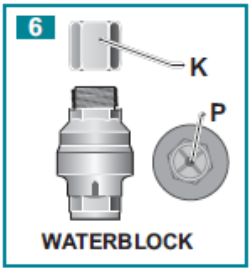
5.1 POSITIONING THE UNIT

- When handling and moving the cooler, use the handle recessed into the cross support on the back of the unit.
- To ensure proper ventilation, position the cooler at a distance of at least 6-7 cm from the wall.

Upon the first installation, or after the water cooler has been left unused for an extended period of time, or whenever necessary, use a hydrogen peroxide-based solution for the hygienic cleaning of the water cooler.







EN 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 making the water connection, make sure the mains water pressure is between 1 and 3 bars.

- If the mains water pressure exceeds 3 bars, predispose a pressure reducer capable of reducing the latter to the 1-3 range (fig.6.1).
- Predispose a stop tap **R** on the water inlet pipe.
- Connect a **T** pipe (1/4") (not provided) to tap **R**.
- Connect the appliance to the water mains using the water inlet fitting **1**.

Ice container filling (version "IB")

Push **T** pipe into attachment 1 (tank load) exerting the required pressure. Open tap **R** and allow water to flow slowly into the ice bank until the level of water in the vertical transparent (fig. 4) pipe (**P**) reaches the position indicated by plate "Fill" (**L**).
Close tap **R**.
Take off the tube **T** pushing with a **7** key on the locking ring and simultaneously pulling the tube.

Version "RI" (fig.5)

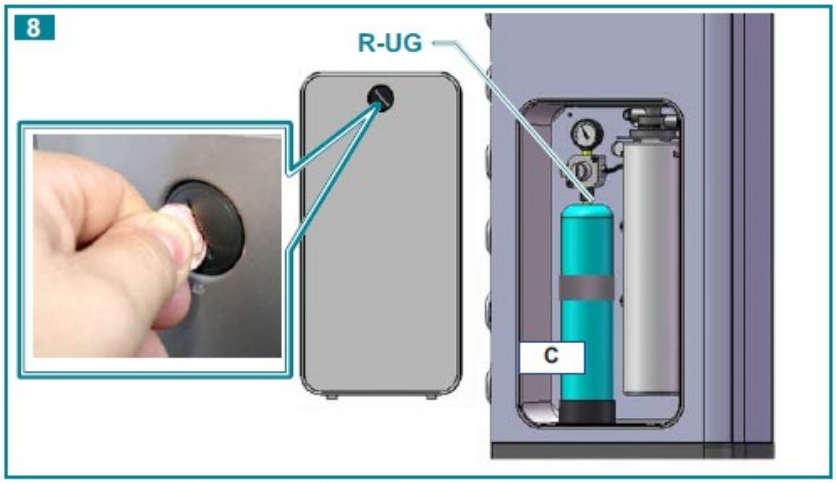
- Connect the appliance to the water mains using the water inlet fitting **1** fast coupling provided can be used for the 1/4" diameter pipe.

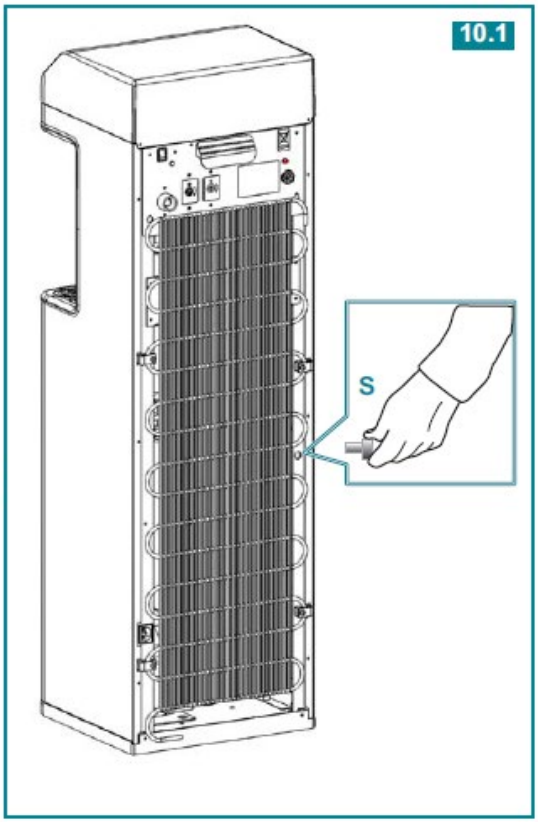
Version "/C" - "IB" (fig.4)

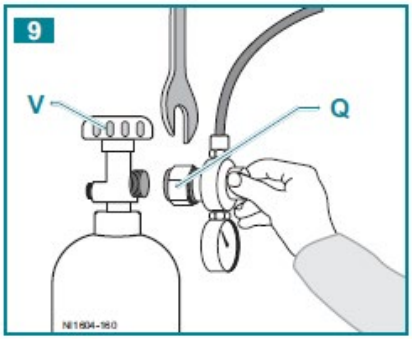
- Connect the appliance to the water mains using the water inlet fitting **1**. The 1/4F connector or the fast coupling provided can be used for the 3/4M diameter pipe.

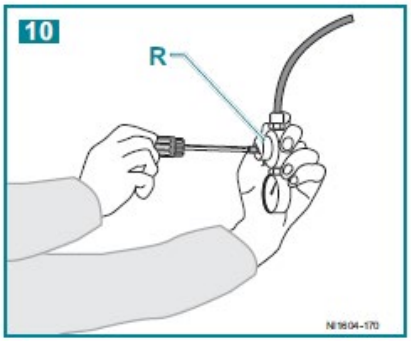
N.B.: the pressure is especially important for those water coolers fitted with a carbonation device.

- This water dispenser can be equipped with a WATER BLOCK anti-flooding device (optional) to prevent any accidental water leaks (fig.6).
  Once the WATER BLOCK device has intervened, fitting **K** should be disassembled and button **P** pressed to reset the device.
- If the mains water pressure exceeds 3 bars, predispose a pressure reducer capable of reducing the latter to the 2+3 range (fig.6.1)
- 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. 7).









EN 5 INSTALLATION

5.3 CONNECTING THE CO2 GAS CYLINDER (CARBON DIOXIDE) (Version Sparkling water)

- Open the door (fig. 8) in order to access the compartment for the CO2 cylinder.
  With disposable cylinders (non-rechargeable), proceed as follows:
- Screw the cylinder onto the pressure reducer (R-UG).

The cylinder is equipped with a sealing valve that will open when it is mounted onto the reducer valve and will close automatically when it is disconnected.
The screw for regulating the reduction valve has already been calibrated to the optimal pressure setting (approximately 3 bar).
In any case, the quantity of gas supplied can be increased by turning the screw in the clockwise direction, or decreased by turning it in the anti-clockwise direction (fig. 10). Disposable CO2 cylinders with a capacity of 600 grams can charge approximately 120 liters of water.

⚠ Caution! when using non-rechargeable gas cylinders, carefully follow the instructions contained on the label located on the cylinder itself.

With rechargeable cylinders (B-RIC), proceed as follows:

⚠ NOTICE! Rechargeable cylinders are empty when supplied. Have the cylinder filled with gas by the nearest authorized distributor. Ask only for CO2 (carbon dioxide) for "food products."

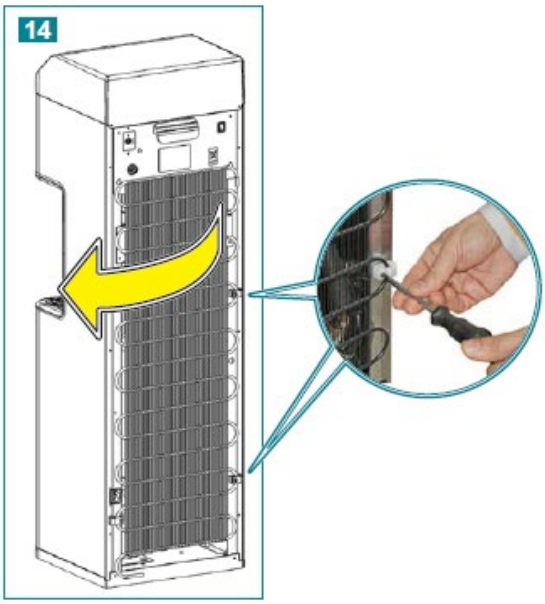
- Paying special attention to the seal, screw the pipe union on the pressure reduction valve (R-RIC) to the connector on the cylinder, using a monkey wrench (fig. 9).
- Open the valve on the cylinder by turning it in the clockwise direction (fig. 10).

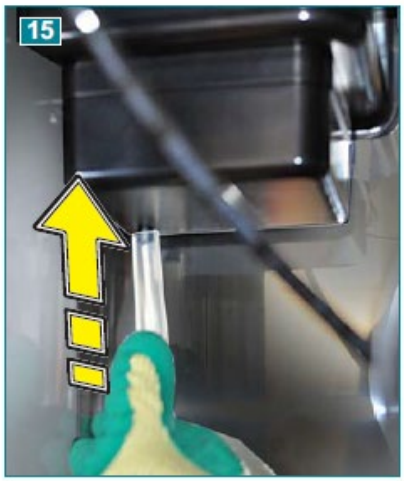
The screw for regulating the reduction valve has already been calibrated to the optimal pressure setting (approximately 3 bar).
In any case, the quantity of gas supplied can be increased by turning the screw in the clockwise direction, or decreased by turning it in the anti-clockwise direction. Rechargeable CO_2 cylinders can charge approximately 140 liters of water.

- Once the cylinder is positioned and connected with the T tube, use the C belt to fasten the cylinder only (fig. 8).

⚠ **For the transporting, storing and using CO_2 cylinders, follow local regulations concerning their use.**

Ice container emptying (for maintenance)
Disconnect the power chord from the socket. To empty the ice bank, after the ice has melted, simply extract the tank drain pipe (S) from its housing and allow the water to flow out (fig.10.1). Having emptied the ice bank (approx. 4 litres) reposition the pipe in its housing.





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

EN 5 INSTALLATION

5.4 REMOVING THE TRAY AND CONNECTING THE DRAINAGE

The red float R signals that the water collection tray is full and should be emptied.

- Lift the tray upwards to remove and then empty it (fig.11).

It is also possible to have a continuous drainage system so as to avoid emptying the drain:

- Remove the tray and drill a 3-4mm hole on the rear side, in the point indicated (fig. 12)
- Drill a hole in the casing where the tray is lodged, near the external corner in the point highlighted by a special reference (fig. 13)
- Open the machine from the rear carefully rotating the condenser (Fig. 14)
- Insert a flexible pipe on the box and connect to a drain (Fig.15)
- Correctly restart the condenser

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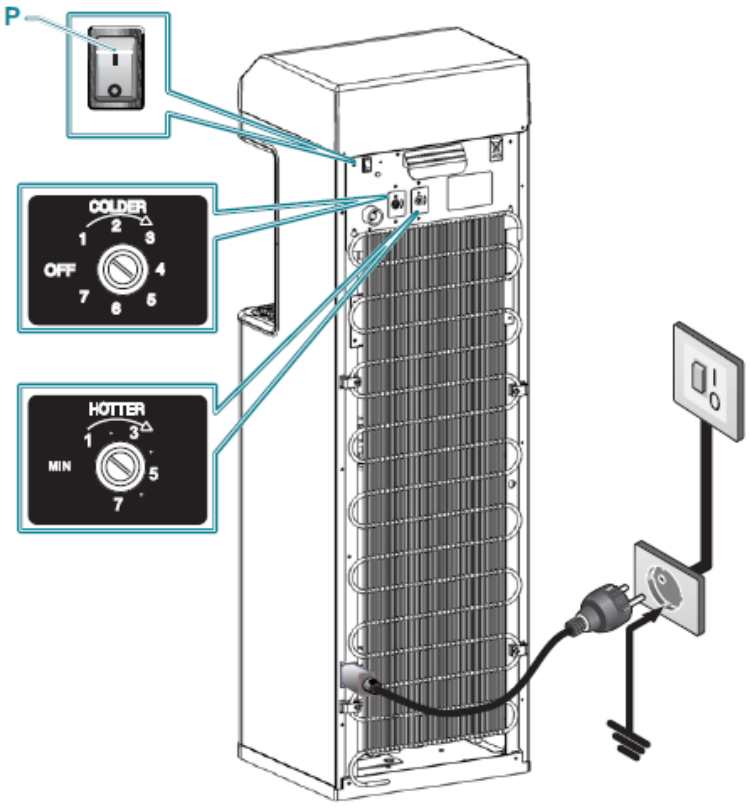

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EN 5 INSTALLATION

5.5 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).

- Adjust cold water thermostat COLDER depending on use and season (positions recommended from 4 to 7)
- Turn the screw of the hot water regulator HOTTER clockwise by 3/4 of a turn (ACH - CHWG Version).

Connect the machine to a mains electrical network protected by a circuit breaker with a sensitivity equal to or less than 30 mA.

EN 6 STARTING

6.1 USE

Warning! Before using the machine proceed with the sanitation (see relative paragraph)
Warning! If the appliance has been laid down or turned upside down, you should wait at least 8 hours before starting it.

- Turn on the water tap and make sure there are no leaks.
- Press the sparkling water button until all the remaining air is eliminated from the circuit (Version "Sparkling water").
- Repeat the operation with the cold water environment button

Fill the hot water reservoir completely (Version /C ACH - IB ACH - IB CHWG - RI ACH - RI CHWG) pushing on red button 3+SAFETY, until the flow of water becomes constant.

- Put the switch **P** "ON".

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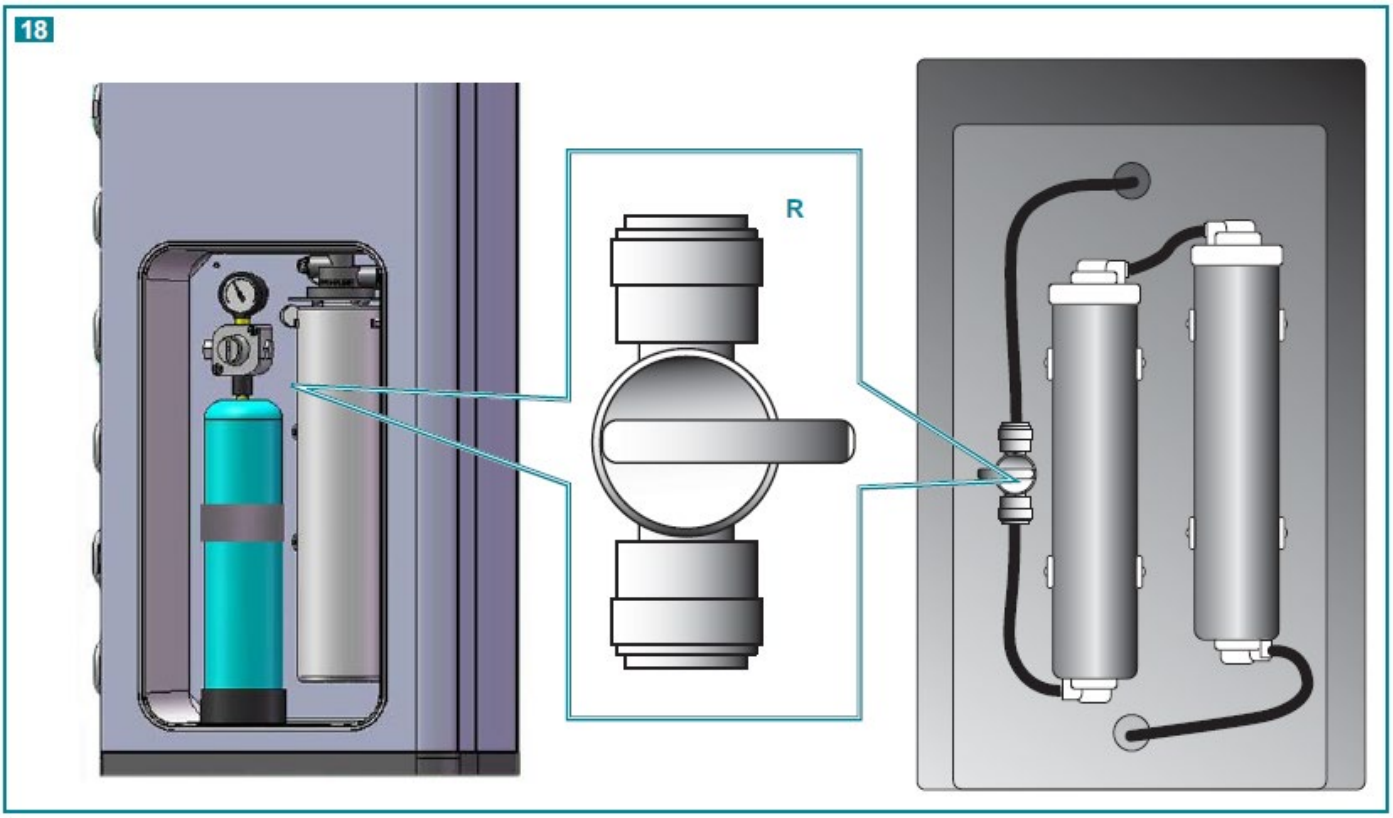
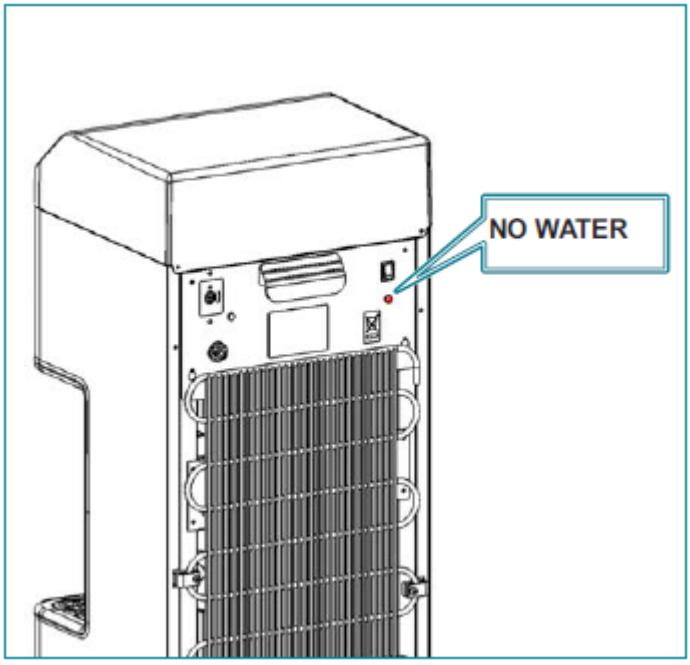




GB	If mains water is insufficient, a protection system intervenes and blocks pump functioning (the NO WATER warning light is illuminated. To restore functioning the apparatus must be disconnected from the electrical network and reconnected when there is sufficient water in the mains system.

EN 6 STARTING

6.2 SETTING UP THE SPARKLING WATER

Advice on use

In order to guarantee that the pump functions properly for an extended period of time, the unit must always be operated with water in the cooling tank.

The quality of the gas-water mixture also depends upon the temperature of the water. therefore, when the unit is installed, wait until the water has been cooled sufficiently.

After about 20 minutes, cold water (both carbonated and natural) can be dispensed by using the appropriate buttons.

6.3 CARBONATION DEVICE DRAINAGE

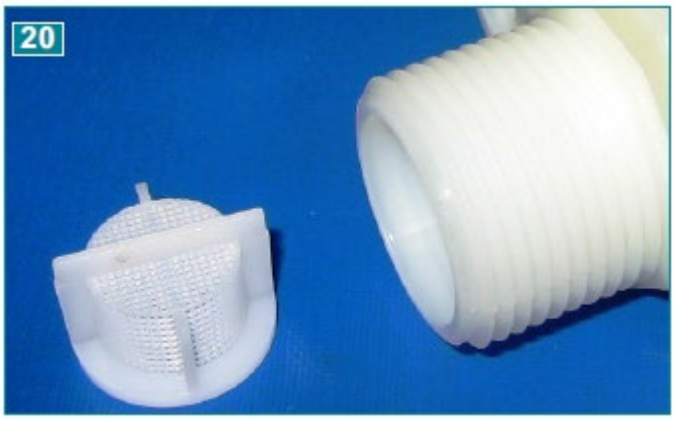
When installing or replacing the CO2 cylinder or when the water supply to the cooler is interrupted, water bubbles can form in the carbonation unit.

These air bubbles can reduce the carbonation quality of the water, therefore, they must be eliminated:

- Turn off the CO2 to the unit (for the disposable cylinders, unscrew the cylinder from the reduction valve).
- Press the water dispenser pushbutton : you will hear the compressed CO2 gas come out instantly.
- Open the CO2 delivery valve again (for the disposable cylinder, screw it back onto the reduction valve).

6.4 FILTER MAINTENANCE

- Change the filters (if installed) on the basis of the data contained on the tag
- Disconnect the machine from the electric mains before starting
- Close tap R (if present) before disconnecting the filter
- Reinstall the new filter and check that there is no water leakage
- Open tap R again
- **Let 20 litres of water flow before using.**



Maintenance operations should be carried out by a qualified professional

EN 7 ROUTINE MAINTENANCE

Subject	How	How often
Cleaning the outside of the appliance	• Clean the external part with a damp cloth, do not use solvents or abrasive detergents.	Montly
Replacing the CO_2 cylinders	• Follow the instructions provided in paragraph 5.3	When the manometer falls below 1 bar
Cleaning the water collection tray	• Clean the tray and remove any residue.	Weekly
Cleaning the cooling condenser	• Remove all dust and dirt with a domestic vacuum cleaner or similar appliance. • Do not use compressed air jets. • Do not use wire brushes	Montly
Power lead	• Check the condition and intactness of the power lead	
Water connection check	• Check the condition and intactness of the water supply pipe. • Check for any leak	
Cleaning the mechanical water filter (Version "/C" - "IB")	• Disassemble the inlet pipe fitting, pull the filter using pliers and remove any impurities (fig.20).	Every month
Cleaning the water dispensing spouts (Version "/C" - "IB")	- Remove the steel nozzle nozzle using the appropriate spanner and eliminate all the limestone with a food descaling solution (fig.20.1).	Depending on the hardness of the water from the mains

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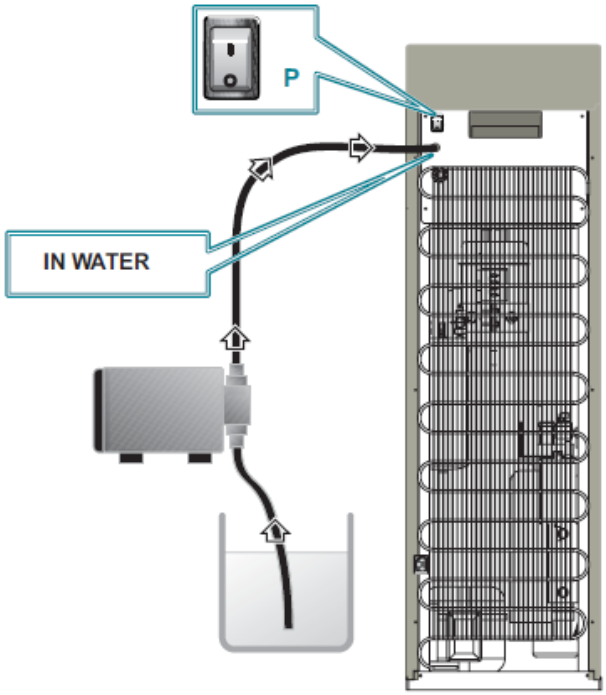


IT	Spegnete l'interruttore P dell'acqua calda (Fig. 22) e premete "H+SAFETY" per far defluire almeno 5 litri dal serbatoio caldo per eliminare l'acqua calda (Versione "Acqua calda")
EN	Switch off hot water switch P (Fig. 22) and press "H+ Safety" to drain at least 5 litres from the hot water tank to eliminate the hot water (Version "Hot water")
DE	Schalten Sie den Warmwasser-Schalter P aus (Abb. 22) und drücken Sie "H+SAFETY", um mindestens 5 Liter aus dem Warmwassertank fließen zu lassen und das warme Wasser zu entfernen (Version "Warmwasser")
FT	Eteignez l'interrupteur P d'eau chaude (fig. 22) et appuyez sur « H+SAFETY » pour faire s'écouler au moins 5 litres du réservoir chaud de façon à éliminer l'eau chaude (Version "Eau chaude").
ES	Apaguen el interruptor P del agua caliente (Fig. 22) y pulsen "H+SAFETY" para hacer salir al menos 5 litros del depósito caliente para eliminar el agua caliente (**Version "Agua caliente"**)

EN 7 ROUTINE MAINTENANCE

7.1 INTERNAL CLEANING/ HYGIENIC CLEANING

WARNING! Given that the products used for the hygienic cleaning procedure contain corrosive acidic and alkaline substances, disposable gloves and protective eyewear should be worn at all times. When performing the hygienic cleaning procedure, please keep to the product reaction times, sanitising liquid percentages and quantities of water 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

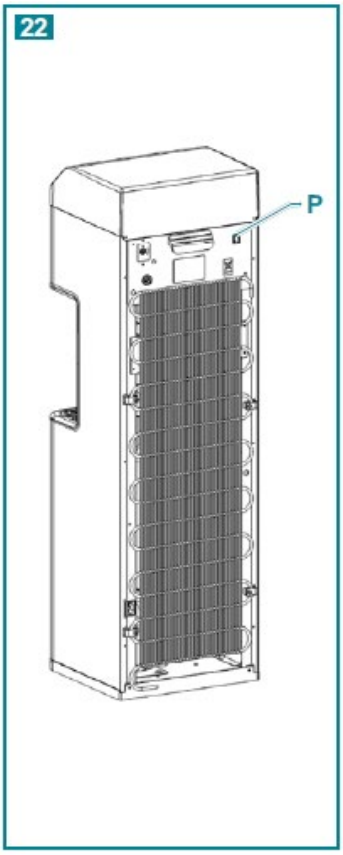
(*) If the refrigerator is installed in Hospitals, Schools, Old people's homes, or Clinics, it is recommended to sterilize it every 3 months.

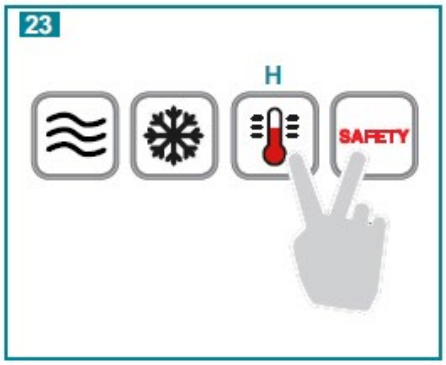
Warning: If a filtering kit is fitted on the appliance, it should be excluded from the hygienic cleaning process.

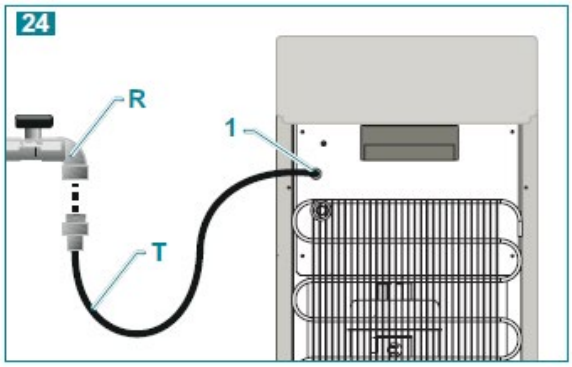
Version "/C" - "IB"

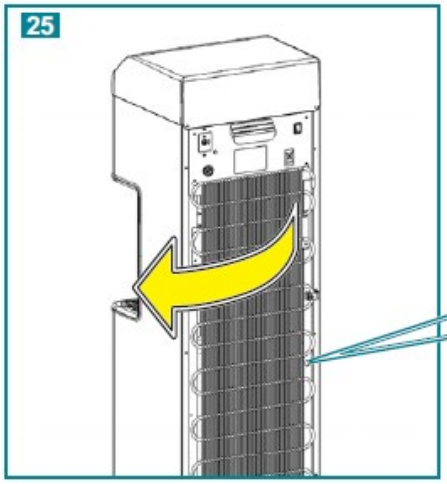
Preparation of the hygienic cleaning solution:

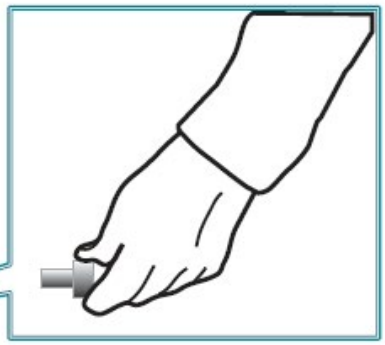
- Take five litres of water
- Add to it 5% of hydrogen peroxide 100 volumes; for the dosage, use a graduated measuring cup or a common syringe.
  N.B.: when using commercial hygienic cleaning solutions, keep to the instructions provided by the manufacturer and included in the packaging.
- Using a pump, connect the appliance water inlet to the container filled with the disinfectant solution.
- Start the pump, allowing the disinfectant to enter the appliance, then turn on the taps to enable the hygienic cleaning solution to flow throughout the entire hydraulic circuit, right through to the water dispensing spout.
- Before you run out of disinfectant solution, turn the pump off and stop the water dispensing.
- Leave the disinfectant solution to act for minimum 20 minutes.
- Reconnect the appliance to the water mains.
- Before using the machine, let at least 15 litres of water flow from the taps (at 4-litres intervals to avoid the WATER BLOCK intervention, if present) so to rinse thoroughly the water system

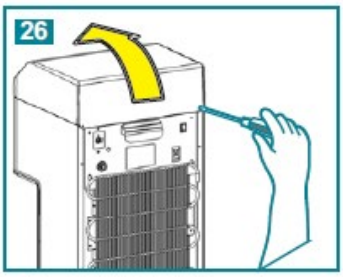


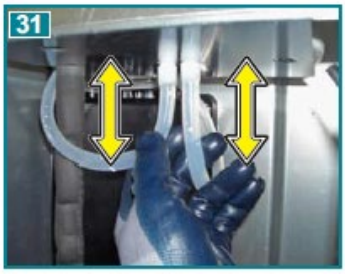










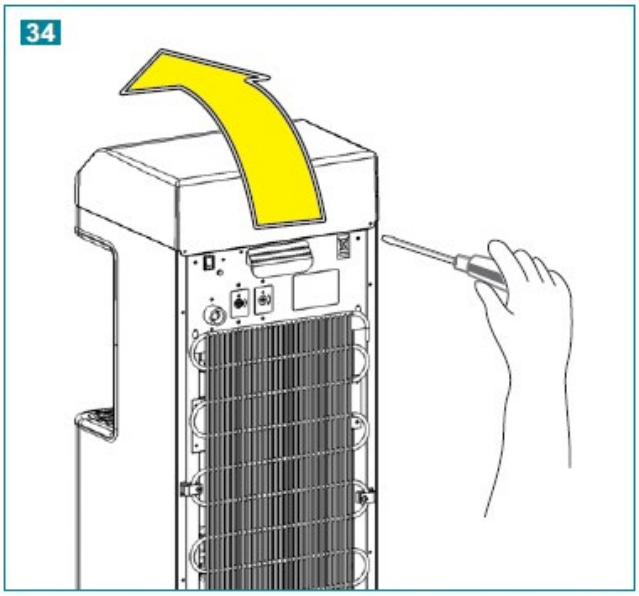


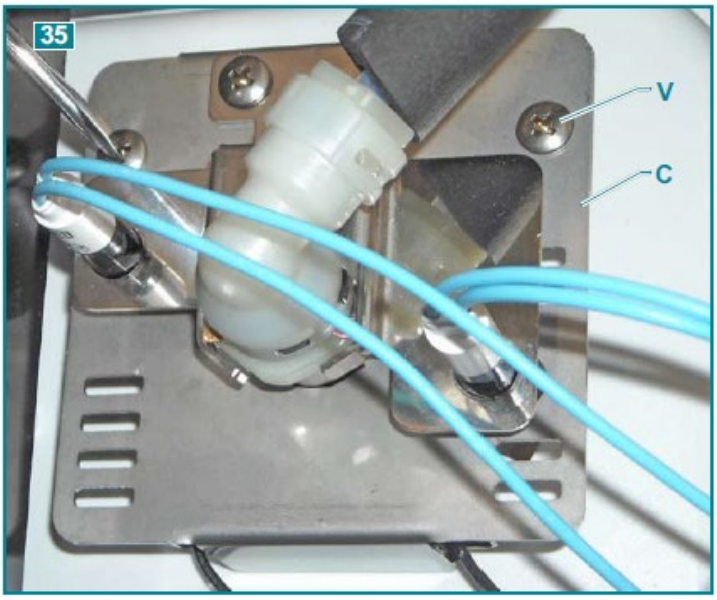
EN 7 ROUTINE MAINTENANCE

"RI AC - RI ACH - RI ACWG - CHWG" Version

After sanitizing with the pump (see chapter 7.1) it is necessary to replace a new sanitized tank.

1 Switch off hot water switch P (Fig. 22) and press "H+ Safety" to drain at least 5 litres from the hot water tank to eliminate the hot water ("ACH - CHWG" version) (fig.23)
2 Close the main water tap R (Fig.24).
3 Empty the hot water tank ("ACH - CHWG"version) by removing the cap (Fig. 25) and regulating the pressure with the "H+Safety" keys
4 Empty the cold tank by means of the dispenser pushbutton ≋ - ❄
5 Disconnect the machine from the electrical mains
6 Open the rear grid (Fig. 25).
7 Uncrew and and remove the lid (Fig. 26).
8 Wear disposable gloves.
9 Lift the tank's lid, the separator and the tank (Fig. 27-28- 29).
10 Push the tank downwards until it rests on the isolating material (Fig.32) and the separator (Fig.33)
11 Place the lid back on the tank and on the machine.
12 Reconnect to the water and electric mains and make sure there is no dripping.





EN 7 ROUTINE MAINTENANCE

7.2 HOW TO REPLACE THE UV LAMP

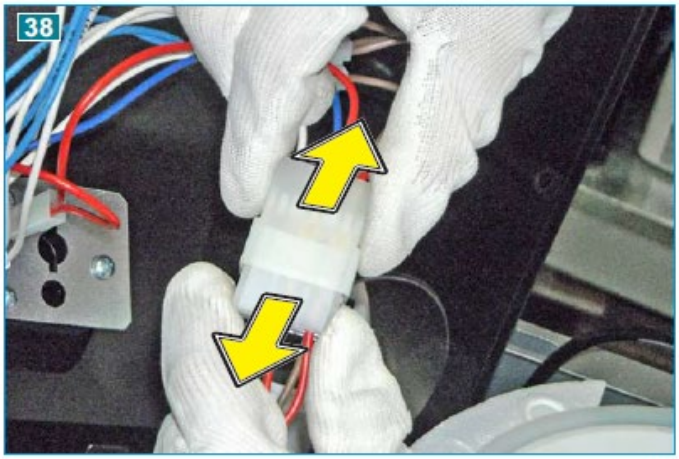
The lamp must be replaced every 6000 hours of working (about 8 months)
This operation should be performed by a qualified technician.

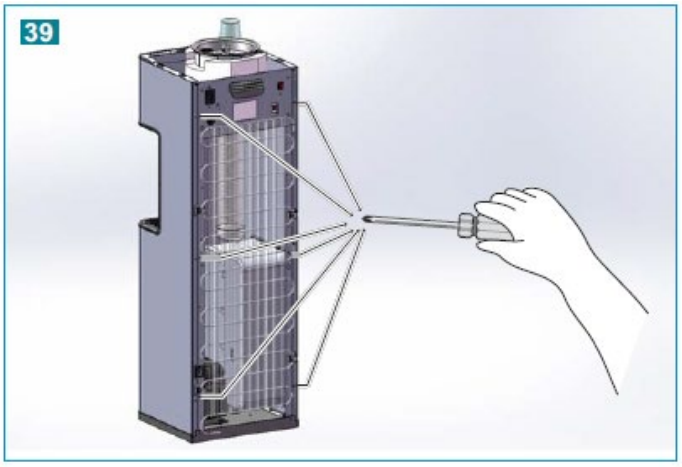
Warning! direct irradiation of the UV lamp is dangerous both for the eyes and for the skin

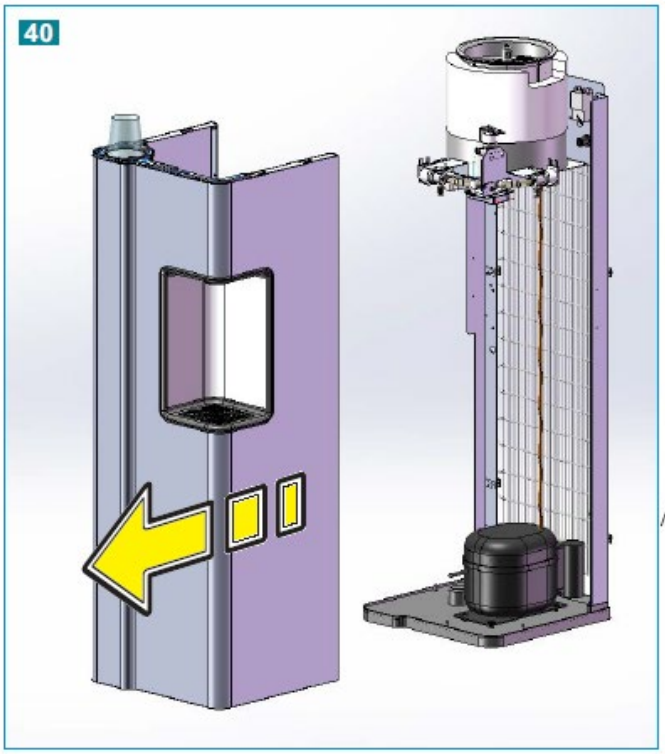
Version "/C - IB"

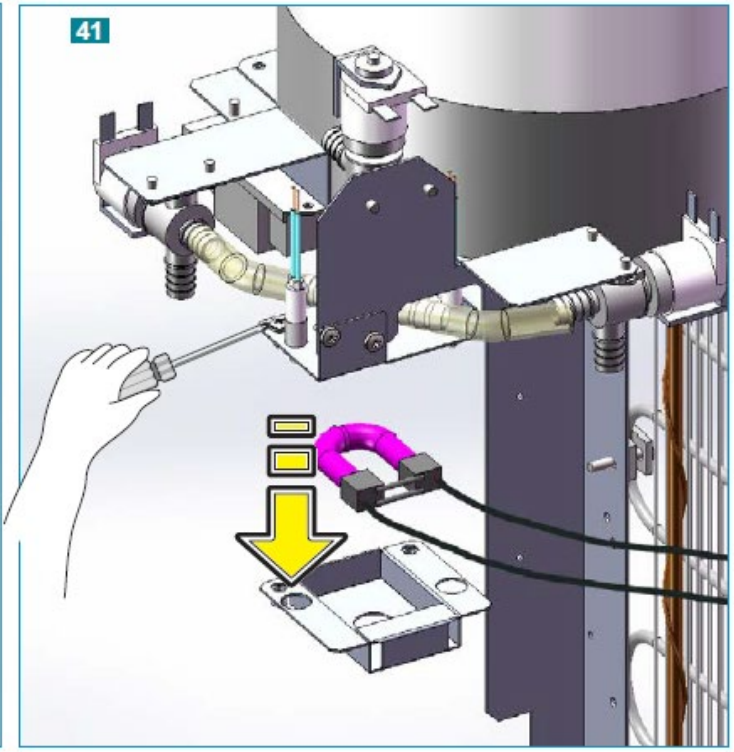
How to replace the lamp:

- Unplug the machine from the mains
- Unscrew the screwsand remove the cover of the machine (fig. 34).
- Unscrew the screws V and remove the cover C (fig. 35-36)
- Remove the lamp and replace it with one of the same kind
- Mount again all the components in reverse.









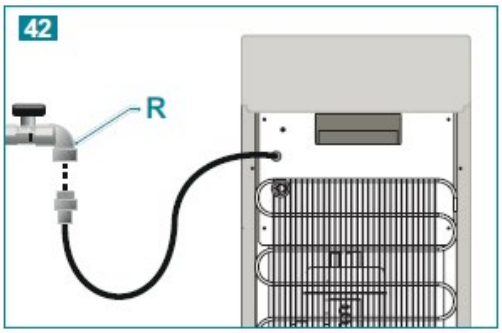
EN 7 ROUTINE MAINTENANCE

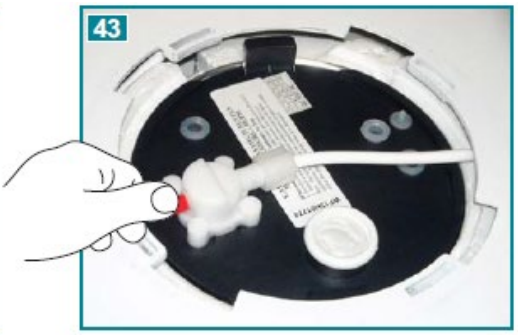
"RI" Version

It is recommended to take the opportunity to replace the UV bulb when silicon tubes are changed. (previous chap.)

How to replace the lamp:

1 Unplug the machine from the mains
2 Unscrew the screwsand remove the cover of the machine (fig. 34).
3 Disconnect the lid from the rest of the machine (Fig. 38)
4 Unscrew the fasteners to remove the cooler housing (fig.39-40)
5 Unscrew the fasteners to open the lamp box and replace the lamp (fig.41)
6 Reasssemble all components making sure there is no dripping





EN 8 EXTRAORDINARY MAINTENANCE

8.1 INTERVENTION OF THE SAFETY FLOAT AND MANUAL RESET (version "RI")

The machine is fitted with a safety system that intervenes if the float inside the cold tank malfunctions, thus preventing flooding and blocking the machine until restored.

This operation should be performed by a qualified technician.

Procedure for restoring correct operation

- Close the water tap R
- Run off at least 1 litre of cold water
- Open the upper lid
- Firmly press the red button on the float lid until feeling the system is released.
- Open the water tap **R** and check the system operates correctly.
- If the problem persists, contact the after-sales assistance centre to replace the float lid.

EN 9 HYGIENIC CLEANING

9.1 LIMESCALE REMOVAL (only for hot water models "RI")

This operation should be performed by a qualified technician.

- Turn off the hot water switch P (Fig.22) and press "H+SAFETY" to drain (Fig. 23) at least 5 liters from the hot water tank in order to eliminate the hot water.
- Close the Water Tap R (Fig.24)
- Remove the screws and remove the cover (Fig.26).
- Lift the tank lid and the separator (Fig.27-28).
- Insert a funnel with a diameter of less than 8 mm in the hole where the separator was inserted (Fig.41).
- Pour about 1 liter of descaling solution (Fig.41).
- Fill the cold water tank with drinking water.
- Plug in the power cord and allow the water in the hot water tank to heat up for at least 20 minutes.
- Unplug the power cord from the power outlet.
- Open the drain of the hot water tank, collecting it in a bucket (Fig.25).
- With the drain open, rinse the hot water tank with at least 5 liters of water.
- Close the drain with the plug (Fig.25)
- Put back in place the water separator and tank lid.
- Put the upper cover back on and put.
- Open the tap "R" (fig.42)
- Open the cold and hot water taps to fill the tanks.
- Plug the power cord into the power outlet.
- After 15 minutes draw at least one liter of hot water and 1 liter of cold water.

Servizio di assistenza - *Qualified operator service* - Kundendiest - *Service d'assistance* - Servicio de asistencia

Il distributore / Installatore deve apporre il timbro per fornire il servizio di assistenza
The dealer / Installator has to mark this aquare for the service
Der Händler / Installateur muss dieses Feld zum Kundendienst abstempeln

Le distributeur / installateur doit apposer son cachet pour fournir le service d'assistance
El distribuidor / Instalador debe poner su sello para proporcionar el servicio de asistencia