

columbia.  
aqua

***SUPER***  
***P.O.U***

**TECHNICAL / USER MANUAL AND  
SERVICE BOOK**



# USER MANUAL

INDEX	P
0 Main features	5
1 Unpacked	6
two Introduction	6
3 Types of treatments of the SUPER POU source Previous	6
4 warnings	7
5 Team's functioning	8
6 Installation	8
7 Rinsing the charcoal filters	9
8 Checking the tightness of the system, stop and start. (RO) Cleaning and maintenance	9
9	9
10 Sanitizing procedure 11 User interface	10
	12
12 Troubleshooting	13

# TECHNICAL MANUAL

INDEX	P
1 Technical characteristics	16
two Identification of management and control components Button functions	18
3	19
4 User interface How to access the	19
5 filters Periodic maintenance	25
6	25
7 Warranty	26
8 Installation record sheet Maintenance	27
9 service	28



# TECHNICAL SHEET SUPER POU

## 0. MAIN CHARACTERISTICS



**DIRECT \* / \*\* / \*\*\*  
ACCESS**  
EASE OF ACCESS  
AND MAINTENANCE



**COLUMBIA FILTERS \* / \*\* / \*\*\***  
EXCLUSIVE FILTERS  
MAXIMUM SAFETY AND HYGIENE



**GREENFILTER \*  
MEMBRANE**  
MAXIMUM HYGIENE



**AQUASTOP \* / \*\* / \*\*\***  
PROTECTION SYSTEM  
OF WATER LEAK



**CLICK \* / \*\* / \*\*\***  
QUICK CONNECTIONS  
AND OF MAXIMUM SECURITY



**PRESSURE \*  
PUMP**  
GREATER PRODUCTION  
AND PERFORMANCE



**SOLENOID VALVE \*  
IMMEDIATE CONTROL.**



**REVERSE OSMOSIS \***  
EQUIPMENT WITH REVERSE OSMOSIS  
SYSTEM AND PUMP



**ICE BANK \* / \*\* / \*\*\***  
ICE BANK TECHNOLOGY TO SUPPLY  
LARGE  
QUANTITIES OF COLD WATER



**LEVEL PROTECTOR \* / \*\* / \*\*\***  
PROTECTION SYSTEM IN CASE OF LOW  
WATER LEVEL



**FILTER \*\***  
EQUIPMENT WITH FILTRATION  
SYSTEM



**ULTRAFILTRATION \*\*\***  
EQUIPMENT WITH  
ULTRA-FILTRATION SYSTEM



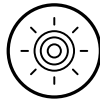
**COLD \* / \*\* / \*\*\***  
PRODUCTION OF  
COLD WATER



**HOT \* / \*\* / \*\*\***  
PRODUCTION OF  
HOT WATER



**AMBIENT \* / \*\* / \*\*\***  
WATER PRODUCTION AT  
ROOM TEMPERATURE



**LED \* / \*\* / \*\*\***  
INFORMATION SYSTEM  
MULTIFUNCTION THROUGH  
LED SCREEN



**ENERGY SAVE \* / \*\* / \*\*\***  
ENERGY SAVING SYSTEM TO REDUCE  
ELECTRICAL CONSUMPTION



**SAFE \* / \*\* / \*\*\***  
SECURITY SYSTEM  
FOR HOT WATER



**WATER QUALITY AUTO \* / \*\* / \*\*\***  
AUTOMATIC DETECTION OF WATER  
QUALITY AND COOLING ADJUSTMENT FOR  
MORE EFFICIENT ENERGY CONSUMPTION

\* SUPER POU ROP

\*\* SUPER POU F

\*\*\* SUPER POU UF



*Keep this manual, which includes the service and warranty book sections, in order to provide you with a better after-sales service.*

## SECURITY INSTRUCTIONS

The following are safety warnings and instructions to avoid injury to the user and to prevent property damage in the environment. However, it is important to take the necessary precautions and proceed with care when installing, maintaining, cleaning and operating the appliance.

### Children / Adults / Pets

Children and others who are not aware of the risks involved in using the appliance could be injured or put their lives in danger. Therefore, take into account:

- The device may not be used by children under 8 years of age or by people with reduced physical, sensory or mental capacity, as well as by people without experience or knowledge unless they are supervised or receive instructions on how to use the device. appliance safely and have understood the potential hazards of using it.
- Children must not play with this appliance.
- Do not allow children to clean or maintain the appliance without supervision.

### Warning. Risk of suffocation!

Do not allow children to play with the packaging / plastic or with parts of the packaging, as they could become entangled or curtailed.

head with them and suffocate.

Keep packaging, plastics and packaging parts out of the reach of children.

### Mounting. Warning

Danger of electric shock / fire / material damage / damage!

years on the appliance!

If the appliance is not installed correctly, it can lead to dangerous circumstances.

As-

make sure the following conditions are met:

- The mains voltage at the socket must correspond to the voltage

nominal rating specified on the appliance (nameplate).

- The mains plug and the socket with protective contact must match and the earthing system must be correctly installed.

- The installation must have a suitable cross section.

The mains plug must be accessible at all times. If this is not possible, to comply with the relevant safety regulations, a switch (bipolar switch) must be integrated

permanently in the installation, according to the regulations on electrical installations.

If the mains cable of the appliance is modified or damaged, it could cause an electric shock, a short circuit or a fire due to excessive heating.

The network cable must not be bent, crushed or modified, nor must it come into contact with sources of heat.

The use of extension cords or power strips could cause a fire due to overheating or a short circuit. Connect the appliance directly to a properly installed grounded outlet. Do not use extension cords, strips or multiple connectors.

### **Warning. Danger of injury!**

- The appliance is very heavy. Lifting it could cause injury. Always lift the appliance with help.
- If the hoses and network cables are not properly routed, there is a risk of disconnection, which could result in injury.

Route the hoses and cables in such a way that there is no risk of disconnection.

### **Attention!. Danger of material damage / damage to the device**

- If the water pressure is too high or too low, the appliance may not work properly. In addition, it could cause property damage or damage to the appliance.

Make sure that the water pressure in the water supply installation is at least 100 kPa (1 bar) and does not exceed 500 kPa (5 bar).

- If the water pipes are modified or damaged, they can cause

damage to property or damage to the appliance. The water pipes must not be bent, crushed, modified or cut.

- The use of pipes distributed by other brands to connect the water supply could cause material damage or damage to the appliance. Use only the tubes supplied with the appliance or original replacement tubes.

### **Cleaning / maintenance**

#### **Warning. Death risk!**

The appliance works with electricity.

There is a shock hazard if components connected to the current are touched. Therefore, take into account:

- Turn off the appliance. Disconnect the appliance from the mains (pull out the plug).
- Never grasp the mains plug with wet hands.
- When disconnecting the plug from the power socket, always grasp the plug itself and never the mains cable, as it could be damaged.
- Do not make modifications techniques on the device or its components. Any repair or other type of work that the appliance requires must be carried out by our technical service or by an electrician. The same applies to the replacement of the network cable (if necessary).
- Replacement network cables can be ordered by contacting our technical service.

## 1. UNPACKING

It is important that before installation and start-up, you check the box and the condition of the equipment, in order to guarantee that it has not been damaged during transport.

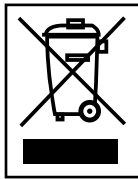
**! Attention: Claims for damage during transport must be submitted together with the delivery note or invoice to your distributor, attaching the name of the carrier within a maximum period of 24 hours after receipt of the merchandise.**

Remove the equipment and accessories from their cardboard packaging, removing the corresponding protections.

**! Caution: Properly dispose of and keep plastic bags out of reach of children, as they can be a danger to them.**

Inside you will find (depending on the model): Water treatment equipment, installation accessories and documentation.

The materials used in the packaging are recyclable and must be disposed of in the appropriate selective collection containers or in the specific local center for the recovery of waste materials.



This product cannot be disposed of together with normal municipal waste. When the useful life of the equipment has ended, it must be delivered to the company or center where the device was purchased, or to a Clean Point or specific local center for the recovery of materials, indicating that it has electrical, electronic and gas rechargeable components. -

frigerant. The correct collection and treatment of useless devices contributes to preserving natural resources and also to avoiding potential risks to public health.

## 2. INTRODUCTION

This manual describes the characteristics of the F, UF and RO versions. Some models do not have all 3 versions, in case of doubt consult your dealer.

The F systems include sediment filtration and activated carbon filtration.

UF systems include sediment filtration, activated carbon filtration, and ultrafiltration membrane. RO systems include sediment filtration, carbon filtration, reverse osmosis membrane, and pH correction cartridge (remineralizer).

Congratulations. You have purchased one of the best water treatment equipment on the market for office use.

This equipment will help you to improve the characteristics of the water, putting at your fingertips a water of the highest quality and low mineralization.

Your team will provide you with different benefits and advantages:

- It is a physical system that does not use or add chemicals to the water.
- Provides high water quality.
- It has a low maintenance cost.
- Ensures high production.

*Data sheet*

## 3. TYPES OF TREATMENTS OF SUPER POU SOURCES

Columbia fountains are available, depending on the model, with different types of water treatment: filtration, ultrafiltration and reverse osmosis.

3.1 What is filtration?

### Sediment filter.

Filtration is the process of separating suspended solids in water through a porous medium, also called a filter. The water passes through the pores of the filter, but the particles with a size greater than the pores of the filter are retained in it, thus giving rise to clearer water. Columbia Fountains incorporate 5µm filters.

### Active carbon filter.

Active carbon is used to remove chlorine from water, as well as to improve taste and odor and to remove some organic components thanks to its great adsorbent capacity. The Columbia Fountains incorporate granulated carbon.

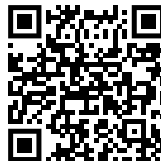
3.2 What is ultrafiltration?

Ultrafiltration is the system used to completely remove viruses and bacteria from water. Ultrafiltration membranes have a porosity between 0.1 and 0.001 µm, which is why they are capable of retaining suspended particles much better.

This apparatus is intended for use in household and similar applications.

- Personal kitchen areas in stores, offices and other work environments.
- Rural accommodation and by clients in hotels, motels and other residential-type environments.
- Bed and breakfast type environments.
- Restaurant services and similar non-retail applications.

More technical information at:  
[www.wtreatmentresources.com/JHT87396KQ.html](http://www.wtreatmentresources.com/JHT87396KQ.html)



3.3 What is osmosis?

Natural or direct osmosis is the most common in nature, since semi-permeable membranes are part of the vast majority of organisms (for example, plant roots, organs of our own body, cell membranes, etc.)

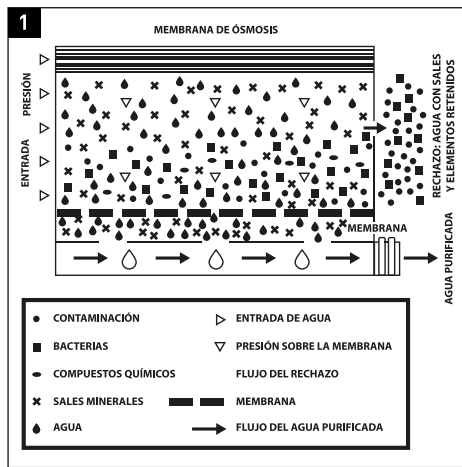
When two solutions of different salt concentrations are separated by a semi-permeable membrane, in a natural way, there is a flow of water from the lower concentration solution to the higher concentration one. This flow continues until the concentrations on both sides of the membrane equalize.



When it comes to reversing this process and achieving a flow of water with a lower concentration of salts from a higher concentration, a sufficient pressure must be applied to the water with a higher concentration on the membrane to overcome the tendency and natural flow of the system.

This process is what we call reverse osmosis. At present, reverse osmosis is one of the best methods to improve the characteristics of the water, through a physical system (without the use of chemical products).

The water to be purified exerts pressure on the semi-permeable membrane, so that part of it will pass through the pores of the membrane (osmosis water), while the rest of the water (rejected or with a high concentration of salts) will be diverted towards the drain (Fig. 1).



#### 4. PRIOR WARNINGS

**!** Attention: Read carefully and keep this manual before installing and starting up the equipment. If you have any questions about the installation, use or maintenance of this equipment, contact the technical assistance service (SAT) of your distributor.

**!** Attention: These equipments ARE NOT POTABILIZING water. In the event that the water to be treated comes from a public supply (and therefore complies with current legislation), this equipment will substantially improve the quality of the water. Otherwise, it will be necessary to carry out a physical-chemical and bacteriological analysis of the water, in order to ensure its correct purification by applying the appropriate techniques and equipment to each need, PRIOR TO THE INSTALLATION of the equipment. Contact your dealer for advice on the most appropriate treatment for your case.

Water treatment equipment needs a

periodic maintenance carried out by qualified technical personnel in order to guarantee the quality of the water produced and supplied.

#### 4.1 Conditions for the correct operation of the equipment

- The equipment should not be fed with hot water ( $T > 40^{\circ}\text{C}$ ).
- The ambient temperature must be between  $4^{\circ}$  and  $45^{\circ}\text{C}$ .
- Some models incorporate a pump. In the event that the network pressure is higher than 2.5 bar, a pressure regulator must be installed prior to the water entering the equipment, set at a maximum pressure of 2.5 bar.
- For waters with salinities higher than 2000 ppm, consult your distributor.
- It is recommended that the water to be treated be decalcified or with a maximum hardness of  $15^{\circ}\text{HF}$  in order to obtain optimum performance from the equipment.
- In the event that the water to be treated is of a hardness greater than  $15^{\circ}\text{HF}$ , it could cause a reduction in the life of the membrane and in the performance of the equipment.
- In case the water to be treated contains:
  - High concentrations of iron and manganese (Greater than 1ppm measured in the rejection of the machine).
  - Prolonged hyperchlorination in time.
  - Sludge or turbidity greater than 3 NTU.
  - A nitrate concentration greater than 100 ppm.
  - A sulfate concentration greater than 250 ppm.
  - Contact your distributor to recommend the most appropriate pretreatment for your case, and thus ensure the correct operation of the equipment, avoid damage to components and guarantee the quality of the water supplied.

#### 4.2 Warnings prior to installation

- In the event of having to condition the home or business installation in order to install the equipment in the intended place, it must be carried out in accordance with the national regulations for indoor installations of water and electrical supplies.
- COLUMBIA equipment needs an electrical outlet less than 1 meter away.
- The COLUMBIA equipment must not be installed either lying or inclined. They must be placed on a flat surface for proper and safe operation.
- The place planned for its installation must have sufficient space for the appliance itself, its accessories, connections and for carrying out convenient maintenance.
- Keep a minimum separation of 10 cm on the sides and back wall to ensure proper ventilation of the equipment.

- Under no circumstances will the equipment be installed outdoors.

**!** **ATTENTION: The equipment must not be connected to the electrical current directly, it must be left to rest for 2 hours once it has been placed in the desired installation position. This is very important to ensure proper system operation, as otherwise the compressor could be damaged. The manufacturer will not be liable for damage to the equipment in this case.**

#### 4.3. Equipment use warnings

- When you are going to be absent for more than a week, close the water inlet tap to the equipment, drain it and disconnect it from the power supply. When you return, connect the electrical supply, open the inlet tap and empty the accumulation tank twice before consuming water.

**!** **Attention: After a prolonged period (more than a month) in which the equipment has been without working or producing water, contact your dealer in order to carry out proper sanitation and maintenance.**

**!** **Attention: Special attention must be paid to the cleaning and hygiene of the front dispensers, on a regular basis and especially at the time of periodic maintenance and sanitation. To do this, use the single-use sanitizing spray and absorbent paper (See the Sanitizing chapter).**

**!** **Attention: The water provided by the osmosis equipment is LOW MINERALIZATION. The mineral salts that the human body needs are provided mainly by food, and to a lesser extent by drinking water.**

## 5. OPERATION OF THE EQUIPMENT

---

### 5.1 How to extract water from your dispenser

See chapter 3 of the Technical Manual to identify the dispensers and how to extract water.

### 5.2 Use of the management and control components

See chapter 4 of the Technical Manual to identify and learn how the management and control components work.

### 5.3 Basic system operation

In the "Filtration" models, the mains water to be treated enters the equipment through the turbidity filter and the carbon filter. In this filtration stage, suspended particles, chlorine, its derivatives and other organic substances are retained.

In the "Ultrafiltration" models, the water subsequently passes through the UF membrane where the smallest particles and even viruses and bacteria are retained.

In the "Reverse Osmosis" models; the passage of water into the equipment is controlled by a solenoid valve.

The water, after the filtration stage, is driven towards the reverse osmosis membrane. Depending on the model, the equipment may incorporate a pump to increase the pressure. The pressure of the water on the membrane makes the reverse osmosis process possible.

Subsequently, the water passes through a post-filter whose purpose is to eliminate possible odors and tastes, as well as to adjust the pH that the water might have before being accumulated.

Reject water or water with excess salts and other dissolved substances is directed to the drain for disposal.

By demanding water by pressing the front dispensers of the equipment, the accumulated water in the cold, hot and reserve water tanks (depending on the model) flows to the outlet nozzles.

**!** **Attention: There are slight variations in function, depending on the model. Read the corresponding section of the Technical Manual.**

## 6. INSTALLATION

---

The installation of your Columbia Fountain must be carried out by personnel qualified enough for it. Check with your dealer if in doubt.

**!** **Attention: Since the appliance to be installed improves the quality of the water to be consumed, all the tools to be used for assembly and installation must be clean and in no case may they be contaminated or impregnated with fats, oils or oxides. Use dedicated tools for tube cutting, membrane handling, etc.**

**!** **Attention: The work must be carried out with an attitude and adequate hygienic conditions, taking extreme precautions in everything related to materials and components that are going to be in contact with the water to be treated or consumed.**

**!** **Attention: Avoid the risks of external contamination of the equipment due to improper handling, using gloves, hand sanitizing gel or washing hands as many times as necessary throughout the installation, start-up and maintenance of the equipment.**

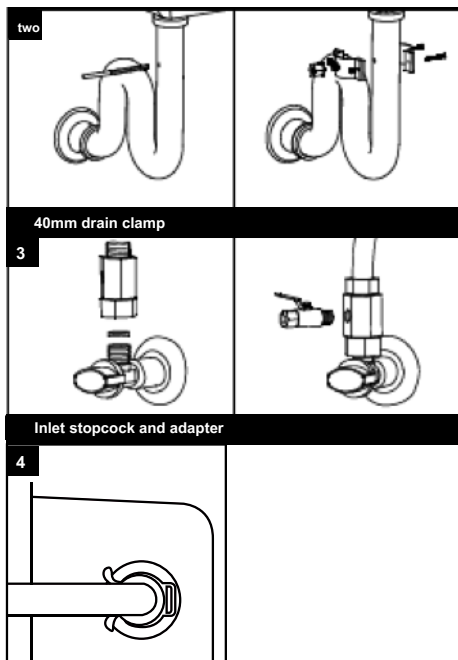
Install the drain collar, only in the RO version (image 2) and inlet socket adapter (image 3) and connect them to the respective equipment connectors IN (input) and OUT / DRAIN (drain) only in the RO version (image 4).

The drain hose can be directed upwards vertically a maximum of 2.5 meters and another 5 meters horizontally.

Some models include a connection to drain the drip tray (see the Technical Manual), in this case this tube must lead to a drain that is at a lower height than the tray since it will drain due to the weight of water. .

**!** Attention: Some of the installation accessories may vary depending on the model and region in which the equipment is distributed.

Use the proper tools and sealants to ensure the tightness of the connections.



## 7. RINSE THE CHARCOAL FILTERS

See chapter 6 of the Technical Manual to see how to access the filters.

It is necessary to eliminate the dust from the granulated carbon of the filters that is generated during the transport and handling of the equipment and corresponding cartridges. This dust must be eliminated since it could completely or partially obstruct the reverse osmosis membrane, as well as cause the equipment to malfunction.

To do this, disconnect the tube that connects the outlet of the last carbon pre-filter (there may be 1 or 2 depending on the model) and the inlet to the membrane holder (See the indication

A, in the flow chart of the Technical Manual). Feed the equipment hydraulically (opening the stopcock) and electrically and direct this tube into an external container or sink until the water runs clear and the charcoal dust has been completely removed.

**!** Attention: Do not wash the carbon pre-filters through the hot dispensers, since the carbon dust to be eliminated would enter the equipment tanks, and could cause them to malfunction and get dirty and / or the reduction of the useful life of certain components.

In RO models; rinse the post-filter by connecting the output of the last carbon pre-filter (there may be 1 or 2 depending on the model) with the post-carbon inlet (See indication B, in the flow diagram of the Technical Manual). Disconnect the outlet tube from the post carbon (See indication C, in the flow chart of the Technical Manual). Feed the equipment hydraulically (opening the stopcock) and electrically and direct this tube into an external container or sink until the water runs clear and the carbon dust from the post-filter has been completely removed.

After washing the filters, leave all the tubes and components in their original position and connections.

## 8. TIGHTNESS CHECK OF THE SYSTEM, STOP AND START (RO)

Keep the inlet stopcock open and keep the equipment powered by performing a visual inspection of the system to ensure that there is no leak (for approximately 1 minute).

## 9. CLEANING AND MAINTENANCE

### 9.1 Equipment cleaning

- Always unplug the equipment from the power supply before cleaning the equipment.
- Clean the exterior surfaces of the equipment with a cloth dampened with water and mild soap.
- Never use detergent or chemicals.
- Do not spray water directly on the surface of the equipment.
- If the condenser accumulates dust or other unknown substances, clean it with a cloth moistened with water and mild soap.
- After cleaning the equipment, dry it completely before plugging it into the power supply.
- Empty the drip tray daily.

**!** Attention: Some components of your equipment, such as the pre-filters, membrane and post-filters (depending on the model), are consumables that have a limited life.

The duration will depend on the quality of the local water, consumption, type of use and specific aspects of the water to be treated such as extreme turbidity, high chlorination, excess iron.

**!** Attention: In order to guarantee the quality of the water supplied by your equipment, periodic maintenance must be carried out.

Recommended maintenance
Sediment pre-filter: At least every 12 months *
Carbon pre-filter: At least every 12 months *
Osmosis membrane: Every 3 years approx. (for water to be treated soft (hardness > 15°HF))
Postfilter: At least every 12 months *
- Sanitation: At the start-up. At least every 12 months depending on use. Each time components in contact with water in the equipment are accessed, no have consumed water for more than a month.

\* Depending on the intended use and characteristics of the water to be treated.

Maintenance must be carried out by trained personnel, who must handle the equipment properly, as well as use original spare parts to maintain the characteristics, guarantee, certifications and performance of the equipment and thus preserve the quality of the water dispensed.

**!** Attention: The use of non-original spare parts, installation outside the limits of operation and start-up, improper maintenance or use, may lead to the loss of the warranty, as well as the invalidation of the certifications to which the equipment has been submitted.

An excess of any compound (total chlorine, turbidity, hardness, etc.) can cause a reduction in the life of filters and certain components. These maintenance are indicative.

**!** Attention: All consumables are supplied in individual packaging specially designed to guarantee hygienic storage and transport conditions. Exercise hygiene precautions after removing the consumables from their packaging and when handling the various connectors and components.

**!** Attention: Before dismantling the equipment, provide all the material that you will need to carry out maintenance operations and the space necessary for this. Work in a well-lit place, in adequate hygienic conditions and with

Enough space to carry out operations comfortably.

Change the filters appropriately, depending on the model of the equipment and the type of filter. Ensure the tightness of the joints and the original hydraulic configuration of the system. See in the Technical Manual the necessary filters according to your equipment model and how to access the filters.

Sanitize the equipment following the instructions described in the Sanitation Procedure.

**!** Attention: If you detect that the water dispensed does not comply with current national legislation, close the inlet tap of the equipment, drain it through the tap, disconnect it electrically and contact your technical service.

## 10. HYGIENIZATION PROCEDURE

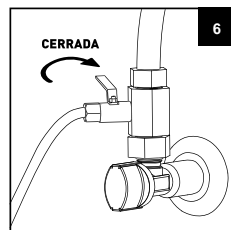
Necessary material:

- Manual valve.
- Dosing cup with connectors.
- Hydrogen peroxide (0.5 l). (sanitizing product)
- Single-use vinyl gloves.
- Hydrogen peroxide detector strips.
- Sanitizing spray. (Peroxide)
- Paper napkin.

Carry out a sanitization of the equipment during start-up, when appropriate (whenever there is a risk of contamination of the equipment by handling components in contact with water) or with the indicated period of time.

To do this, follow the steps below:

**!** Attention: The water used during sanitation must be drinking water (from the public distribution network complying with the corresponding potability requirements of RD 140/2003, European directive 98/83 or current local legislation).



- Keep the inlet valve closed (6) and empty the accumulation tank through the front dispensers (see chapter "how to extract water").

- Sanitization must be carried out with the new pre-filters and post-filters installed and previously rinsed in an adequate way, correctly removing the carbon dust from them.

- Use single-use vinyl gloves to handle sanitizing products.

### 10.1 Hygienization of prefilters and membrane

Place the measuring cup in the inlet tube to the equipment.

For it:

- Disconnect the inlet hose to the equipment marked "IN", and insert the measuring cup between the stopcock and the equipment water inlet (8). For greater comfort and ease of access during sanitization and the inlet valve opening and closing operations, you can insert, together with the sanitizing dosing cup, a manual valve in the closed position, which will perform the same functions as the stopcock to enter the equipment.

- Once the assembly is installed, keep the new inlet valve closed and open the inlet stopcock (9). The dosing cup should initially be empty.

- Pour 100 ml of sanitizing product into the measuring cup inserted at the inlet of the equipment (10). Screw the glass correctly to its head.

- In RO models. Connect the equipment to the electrical supply.

- Open the water inlet stopcock to the equipment, allowing it to start up and allowing the sanitizing product to be pushed into it. Keep the inlet valve in that position and let the equipment run for 10 minutes for the reverse osmosis models and 3 minutes for the Filtration and Ultrafiltration models.

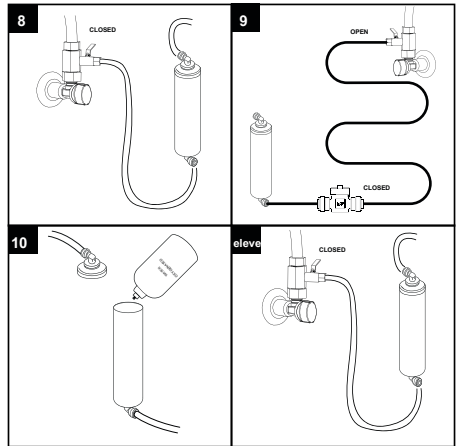
- Close the inlet stopcock (11) and unplug the equipment from the electrical supply, wait for the equipment to stop pouring water through the reject outlet into the drain (only models with reverse osmosis).

- Let the filters soaked with the Product stand for 20 minutes. Meanwhile proceed to sanitize the tanks.

### 10.2 Sanitization of tanks and front dispenser

- Sanitize the nozzles of the front dispensers using cotton swabs and sanitizing spray.

- Completely empty the tanks through the front dispensers and purge outlet (12). Fill the tanks again and empty them to rinse off any remaining sanitizer.



- Remove the complementary elements used for Sanitization and reconnect the feeding tube to the inlet (IN) of the equipment.

- Open the stopcock and power the equipment to start up.

- Use the sanitizing product detector strips (318701) to verify that the equipment is properly rinsed, make the necessary emptyings in case of detecting residues of sanitizing product.

## 11. INTERFACE WITH THE USER

**!** Attention: Depending on the model, the equipment may incorporate an electronic controller that will efficiently manage the functionality and status indications it is in, as well as the various security systems.

If it is incorporated, see points 3 and 4 of the Technical Manual of the equipment, which describes the states in which each system can be found and the information provided by it.

## 12. PROBLEM SOLVING

THE TANK IS NOT FILLED AT ALL		
Problem	Reason	Solution
1. No water enters the fountain.	The stopcock is closed The fountain	Open the stopcock.
	is unplugged The switch is OFF No	Plug source into power. Set the switch to
	water supply	ON. Problem outside the source.
	Blockage in feed tube - Change feed tube. tation to source	
2. The water enters the source, but does not reach the membrane.	Solenoid valve does not open There	See point 3.
	is a clogged filter	Disconnect the outlet of each filter one by one to locate the clogged filter and replace it.
3. The solenoid valve does not open.	There is no current to the electro- The tank is full and there is no valve send water.	
	The solenoid valve is damaged, Replace the solenoid valve. since current reaches him and not open (Check with a voltmeter)	
4. The solenoid valve and the pump do not work.	Level switch does not work	See point 6.
5. The solenoid valve opens, but the pump does not work.	Cable disconnected	Check that there are no loose wires.
	Damaged pump	Replace the pump.
6. The level switch does not work.	It is damaged and does not respond when going up, float	Change the level switch. and lower the
	The electronic card is damaged	Change the electronic card.
PRODUCTION IS SCARCE		
7. Production is low	Partial blockage of the sediment filter - Change the flow of inlet with the outlet of the sediment cartridge	the sediment filter. tell me, comparing
	Partial obstruction of the solenoid - Replace the inlet with the outlet of the solenoid valve	the solenoid valve, comparing the
	The membrane is plugged The	See point 8.
8. The membrane is plugged.	equipment does not reject water	Change the flow restrictor and diaphragm.
	The membrane is more than 3 years old	Change the membrane.
	The inlet water TDS is above 1500 ppm Contact technical cio.	service.

<b>WATER DOES NOT STOP OUT OF THE DRAIN</b>		
<b>9. The fountain never stops throw water down the drain.</b>	The level switch does not respond Replace the level switch. to the order of full tank (Check with a voltmeter)	
	The inlet solenoid valve has been Replace the intake solenoid valve as it does not close every day. disconnect electrical current	
<b>WATER QUALITY IS NOT GOOD</b>		
<b>10. The water quality is not correct.</b>	The reject flow rate is much lower. Replace the flow restrictor nor at 0.5 liters per minute. of rejection	
	The membrane has reached the end of its Replace the membrane. useful life and no longer removes 90% of salts from the inlet water.	
<b>11. The water tastes bad.</b>	The taste is bitter, metallic. Replace the post-filter with a plastic car- or and the outlet TDS is remineralizing insert. less than 25.	
	The source is contaminated.	Perform a complete sanitization of the fountain.
<b>SOURCE DOES NOT COOL OR LITTLE COLD WATER COMES OUT</b>		
<b>12. The water is not cold.</b>	The rear switch (COLD) is in the OFF position.	Push the switch to ON.
	The customer takes out cold water bottles and empties the cold water tank.	The fountains are designed so that the water is drawn glass by glass.
	The cooling system is damaged or the refrigerant gas has been lost.	Remove fountain for shop repair.
<b>SOURCE DOES NOT HEAT OR LITTLE HOT WATER COMES OUT</b>		
<b>13. The water is not hot.</b>	The rear switch (HOT) is in the OFF position.	Push the switch to ON.
	The hot tank thermostat is damaged.	Replace the hot tank thermostat.
	The resistance is damaged.	Change resistance.

## 1. TECHNICAL CHARACTERISTICS

### APP

Model ROP (Reverse Osmosis)

Models F (Filtration)

UF (Ultrafiltration) Models

#### Use

Improvement of the characteristics of drinking water (which complies with the requirements of the European Directive on water for human consumption 98/83 or its national transpositions in the different member states of the European Community).

#### Modifications for reduction or contribution

SUPER POU ROP model

- Water treatment through reverse osmosis is able to reduce the concentration of salts and other substances in high percentages.

- Minimal reduction \* of certain compounds and parameters:

- Sodium - 90%
- Calcium - 90%
- Sulfate - 90%
- Chloride - 90%
- Total Hardness - 90%
- Conductivity - 90%

(\*) Depending on the characteristics of the water to be treated (at the membrane outlet). These values may vary depending on the type of post-filter that the equipment incorporates.

SUPER POU F model

- Water treatment by filtration retains suspended particles with a diameter greater than 5 microns.
- The carbon filter reduces \* the taste and odor of water, as well as organic components. (\*) Depending on the characteristics of the water to be treated.

SUPER POU UF model

- These equipments consist of a first stage of Filtration.
- The water treatment by Ultrafiltration is capable of retaining suspended particles with a diameter between 0.1 and 0.001 microns.

(\*) Depending on the characteristics of the water to be treated.

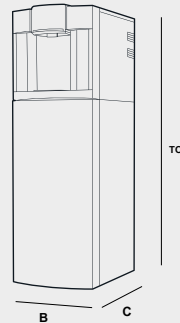
OPERATING LIMITS	ROP	PHEW	F
Pressure (max / min.)	2.5 bar (250 kPa) 1 bar (100 kPa)	5 bar (500 kPa) 1 bar (100 kPa)	5 bar (500 kPa) 1 bar (100 kPa)
TDS (max)	2000 ppm	-	-
Temperature (max / min)	40°C - 2°C	40°C - 2°C	40°C - 2°C
Hardness (max)	15°HF **	-	-

TECHNICAL DATA	ROP	F	PHEW
Control type:	Level switch. Inlet solenoid valve. Cold water thermostat. Hot water thermostat.	Cold water thermostat. Hot water thermostat.	Cold water thermostat. Hot water thermostat.
Security system:	Thermal protector hot water safety.	Thermal protector hot water safety. hot water safety.	Thermal protector
Inlet connection:	1/4 "	1/4 "	1/4 "
Drain connection:	1/4 "	-	-
Wall adapter:	3/8 "	3/8 "	3/8 "
Drain collar:	40mm drain hose clamp	-	-

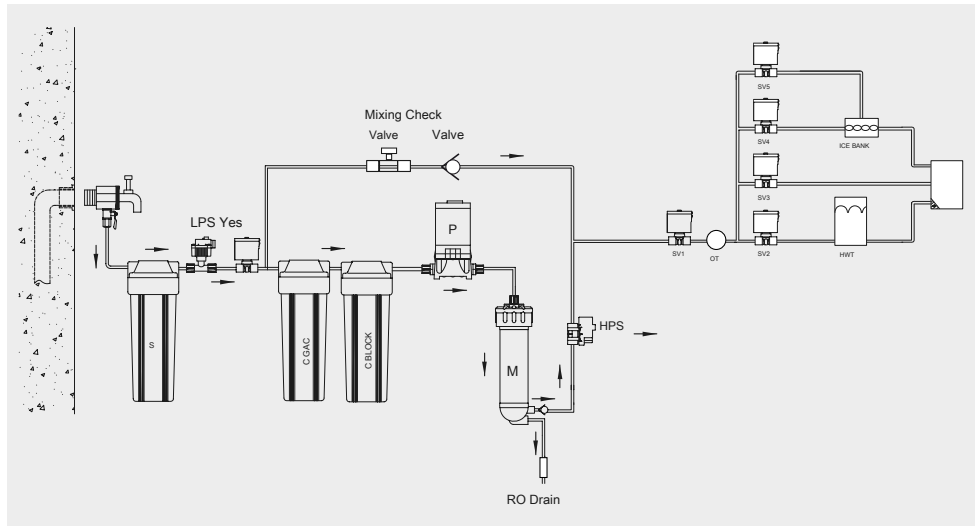


**TECHNICAL DATA**

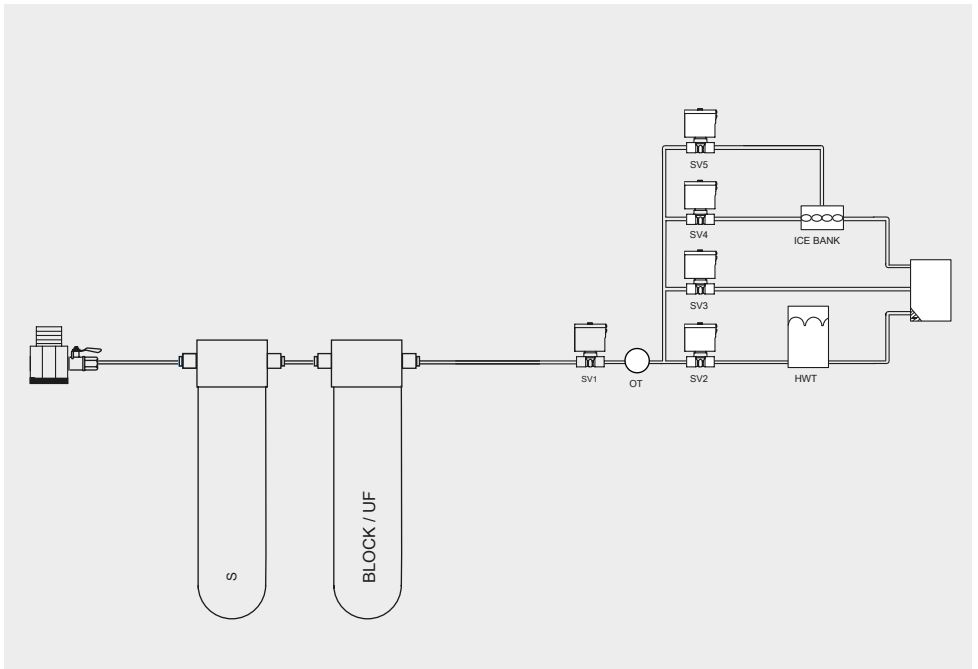
	<b>ROP</b>	<b>F</b>	<b>PHEW</b>
<b>Treatment</b>	1 Sediment prefilter 1 GAC prefilter 1 BLOCK prefilter 1 RO 400 GPD membrane	1 Sediment prefilter 1 Carbon Prefilter	1 Sediment prefilter 1 Carbon Prefilter 1 Ultrafiltration Prefilter
<b>Dimensions:</b>	(A x B x C) 1205 x 420 x 500 mm 24 kg		
<b>Weight:</b>	(without pretreatment)		
<b>TOTAL VOLUME DEPOSITS</b>			
<b>Cold water tank:</b>	Coil in ice bank 2 liters		
<b>Hot water tank:</b>			
<b>Electrical power supply</b>	220 - 240 Vac		
<b>REFRIGERATION SYSTEM</b>			
<b>Compressor:</b>	1/12 CV Sealed		
<b>Compressor power:</b>	160 W		
<b>Condenser:</b>	Capillary type		
<b>Refrigerant gas:</b>	R134A (170 gr.)		
<b>Temperature control:</b>	Temperature probe		
<b>HEATING SYSTEM</b>			
<b>Heater:</b>	Band		
<b>Heater power:</b>	850 W		
<b>Temperature control</b>	Temperature probe		
<b>Overheating protection:</b>	Bi-metal self-assembling		



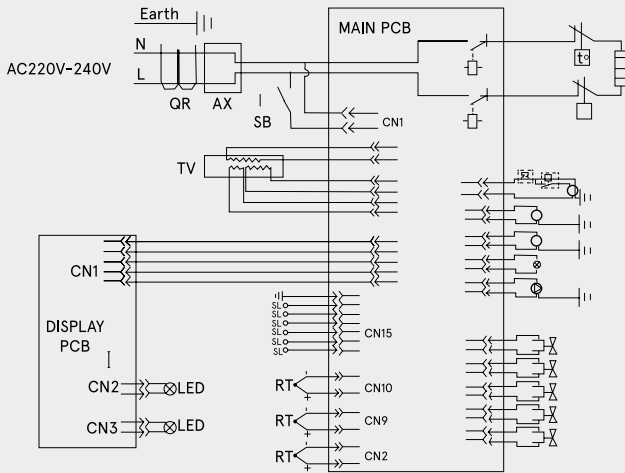
**HYDRAULIC SCHEME ROP MODEL**



HYDRAULIC SCHEME F / UF MODEL

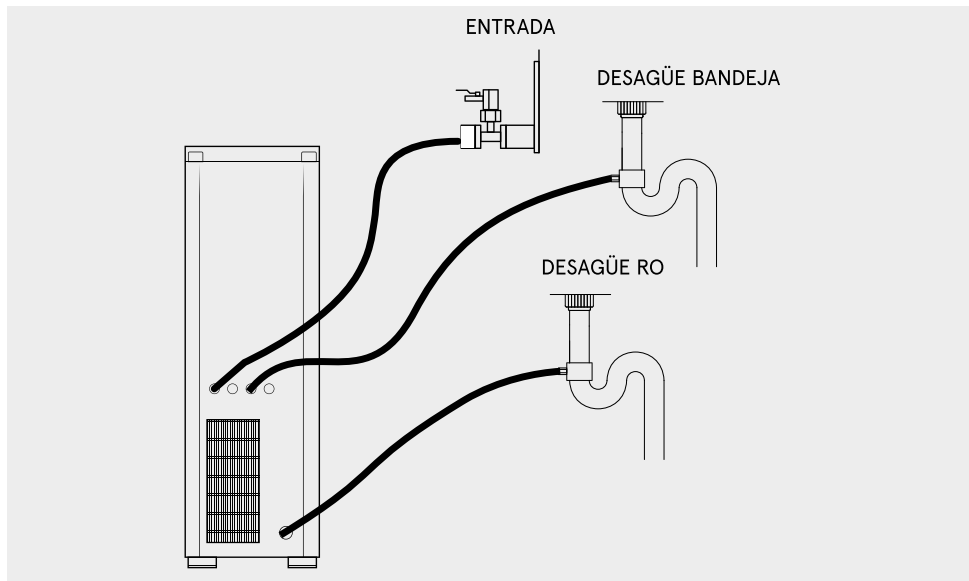


**ELECTRIC SCHEME**

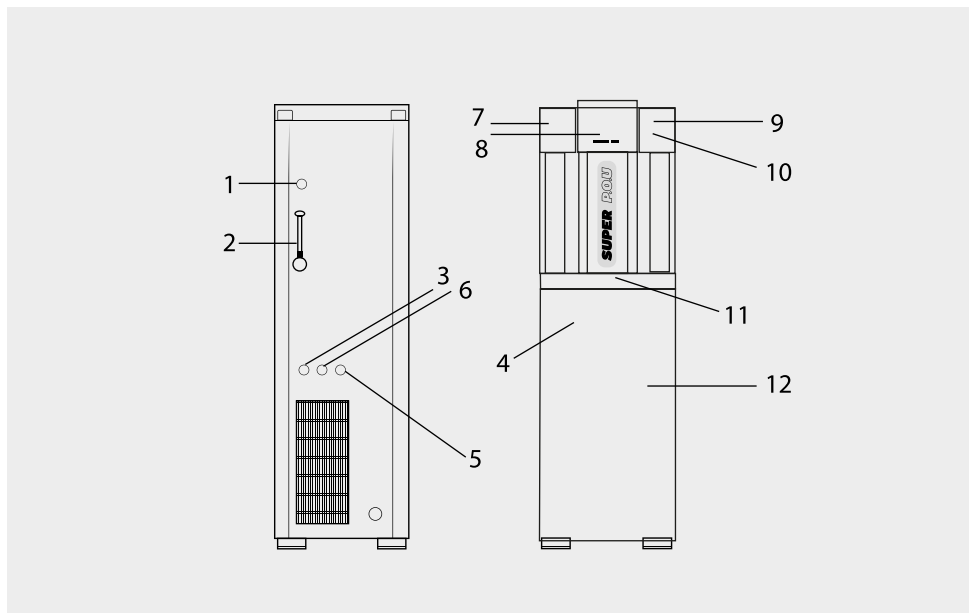


YV	Electroválvula
QR	Diferencial
N	Neutro
L	Fase
AX	Operador
SB	Interruptor
Earth	Tierra
SL	Sensor de nivel
EH	Calentador
ST	Interruptor temp.
RT	Sensor temp.
KD	Relé
C	Compresor
S	Arrancador
OP	^Protector sobrecarga
A	Agitador
F	Ventilador
LED	Indicador LED
B	Bomba
TV	Transformador

## HYDRAULIC CONNECTION DIAGRAM



## 2. IDENTIFICATION OF THE MANAGEMENT AND CONTROL COMPONENTS



- |                                 |  |
|---------------------------------|--|
| 1. Stop / Run switch.           | 7. Front dispenser.                    |
| 2. Power cord.                  | 8. Interactive display.                |
| 3. Water inlet connection.      | 9. Cold, room and hot water selectors. |
| 4. Hot water tank drain plug.   | 10. Dispensing nozzle.                 |
| 5. Drip tray outlet connection. | 11. Drip tray.                         |
| 6. Ice bank drain plug.         | 12. Filter / RO housing door.          |

### 3. FUNCTIONS OF THE BUTTONS

#### 3.1 How to remove water from the dispenser

Identify selectors based on dot image

4.2.

· Draw cold water: place the container centered on the tray and press the cold water button (10) to start dispensing cold water and a preset dose will be dispensed. If you want to draw more than the preset amount, press the button for 3 seconds to start dispensing, then press again to stop the flow of water.

The pushbutton light (11) will show red while the cold water is not ready to be dispensed. When it is ready it will turn blue.

If you want to draw half the preset dose, first touch the HALF icon (6) and then the cold water button.

· Extract ambient water: place the central container

the tray and press the room water button (9) to start dispensing room water and a preset dose will be dispensed. If you want to draw more than the preset amount, press the button for 3 seconds to start dispensing, then press again to stop the flow of water.

If you want to extract half the preset dose, first touch the HALF icon (6) and then the room water button.

· Draw hot water: place the container centered on the tray, touch the unlock icon (5) and then press the hot water button (8) to start dispensing hot water. If you want to draw more than the preset amount, press the button for 3 seconds to start dispensing, then press again to stop the flow of water.

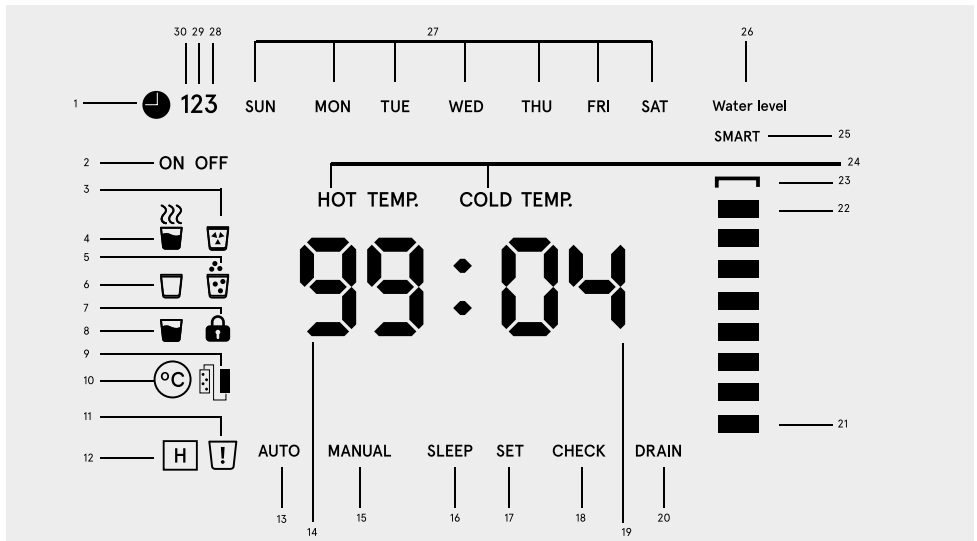
The button light (7) will show red while hot water is not ready to be dispensed. When it is ready it will turn green.

If you want to draw half the preset dose, touch the HALF icon (6) after the unlock button and then the hot water button.

### 4. INTERFACE WITH THE USER: PROGRAMMING

The equipment has a display that shows the mode it is in at all times.

#### 4.1 Identification of the display icons



1. Time / Dose setting

2. Enabled / disabled (ON / OFF)

3. Cold water

4. Hot water

5. Sparkling water (deactivated)

6. Ambient water

7. Child unlock

8. Half portion mode

9. Maintenance

10. Limited temperature

11. Alarm

12. Elevated altitude

13. Auto operation

14. Temp. Hot water

15. Manual mode

16. Energy saving mode

17. Programming mode

18. Navigation

19. Temp. Cold water

20. Auto drain

21. Low water level

22. Maximum water level

23. Water level full

24. Text

25. Automatic water level

26. Text "water level"

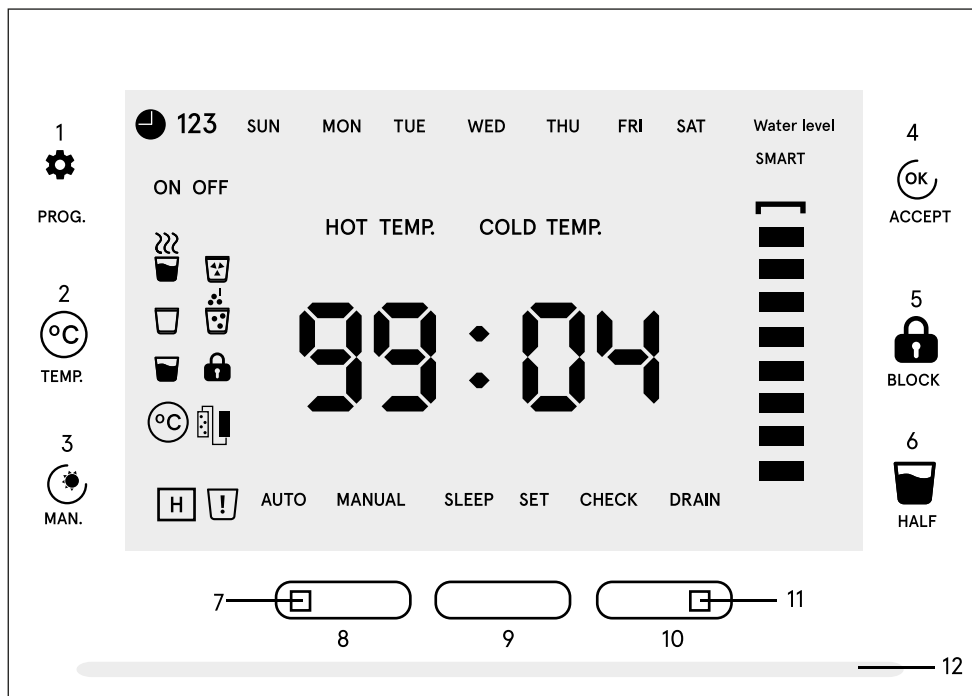
27. Days of the week

28. Working fraction 3

29. Working fraction 2

30. Working fraction 1

#### 4.2 Identification of selectors and buttons



1. Programming button

2. Temperature adjustment button / ▲ Increase setting value.

3. Manual adjustment button / ▼ Reduce setting value.

4. Accept setting value.

5. Child unlock

6. Half preset dose.

7. Hot water status indicator. In red it indicates that it is not ready. Green indicates that it is ready.

8. Hot water selector.

9. Room water selector.

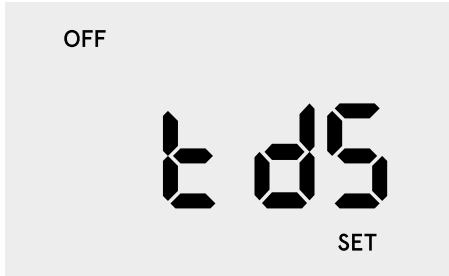
10. Hot water selector.

11. Cold water status indicator. Red indicates that it is not ready. In blue it indicates that it is ready.

12. Power indicator light.

#### 4.3 Schedule settings

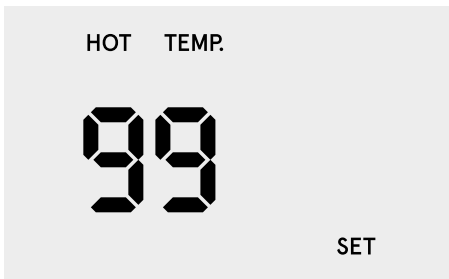
To access the programming menu, touch the ACCEPT icon (4) for 5 seconds and then the PROG icon. (1) for 15 seconds. To navigate through the various parameters, touch the PROG icon. To jump from one parameter to another. Touch the ACCEPT icon (4) to exit and return to automatic mode of operation.



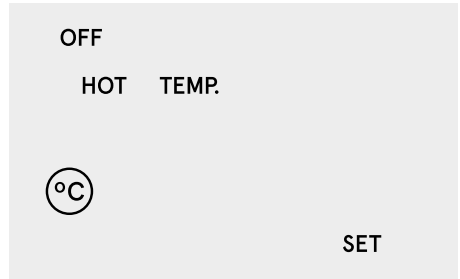
**Water quality detector:** No adjustment required. Press PROG. to jump to the next parameter.



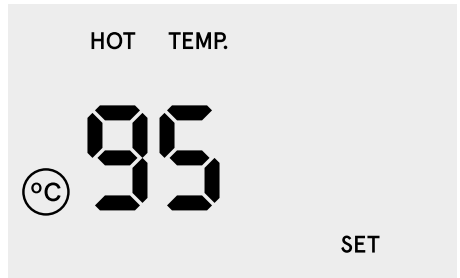
**Hot water:** Setting of activation or deactivation of the hot water system. Touch TEMP ▲ (2) or MAN ▼ (3) to enable (ON) or disable (OFF). Press PROG. to validate and jump to the next parameter.



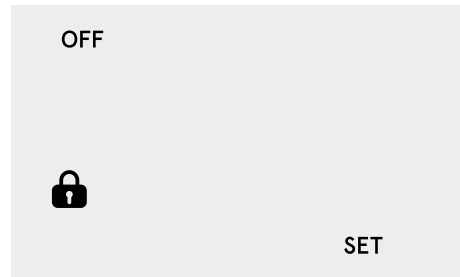
**Hot water setting:** The temperature can be adjusted between 40°C and 90°C according to your need. Touch TEMP ▲ (2) or MAN ▼ (3) to increase or decrease the temperature. Press PROG. to validate and jump to the next parameter.



**Enable / disable minimum temperature:** If you want the equipment to stop dispensing hot water when it has cooled down, activate this option. Touch TEMP ▲ (2) or MAN ▼ (3) to enable (ON) or disable (OFF). Press PROG. to validate and jump to the next parameter.



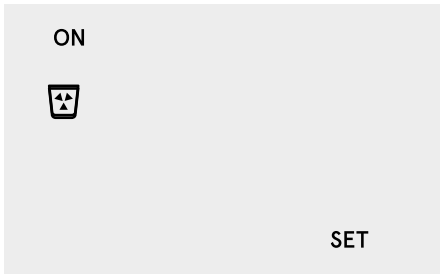
**Minimum temperature setting:** In case of activating the previous parameter, it will go to this screen to define the desired minimum temperature from which the water flow will be temporarily cut off, until it is heated again. You can select between 38°C and 97°C. Touch TEMP ▲ (2) or MAN ▼ (3) to increase or decrease the temperature. Press PROG. to validate and jump to the next parameter.



**Activate / deactivate child lock:** If you want to activate or deactivate the child lock function, touch TEMP ▲ (2) or MAN ▼ (3) to enable (ON) or disable (OFF). Press PROG. to validate and jump to the next parameter.



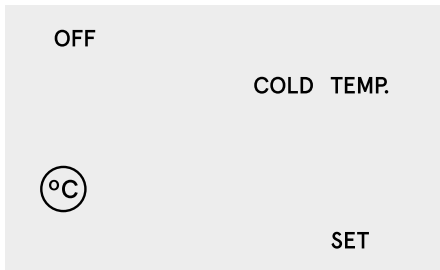
WE RECOMMEND NOT DISABLING THIS OPTION.



**Cold water:** Setting the activation or deactivation of the cold water system. Touch TEMP ▲ (2) or MAN ▼ (3) to enable (ON) or disable (OFF). Press PROG. to validate and jump to the next parameter.



**Ambient water:** Setting of activation or deactivation of the ambient water system. Touch TEMP ▲ (2) or MAN ▼ (3) to enable (ON) or disable (OFF). Press PROG. to validate and jump to the next parameter.



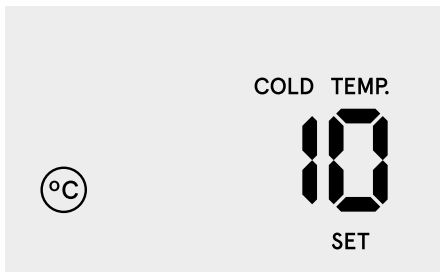
**Enable / disable maximum temperature:** If you want the machine to stop dispensing cold water when it has heated up, activate this option. Touch TEMP ▲ (2) or MAN ▼ (3) to enable (ON) or disable (OFF). Press PROG. to validate and jump to the next parameter.



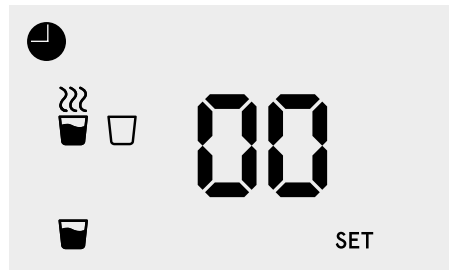
**Portion:** Setting the portion system on or off. If you activate it, the dispenser will automatically stop when the glass is full without having to press again.

Touch TEMP ▲ (2) or MAN ▼ (3) to enable (ON) or disable (OFF). Press PROG. to validate and jump to the next parameter.

If you don't enable this option, it will jump to the time setting.

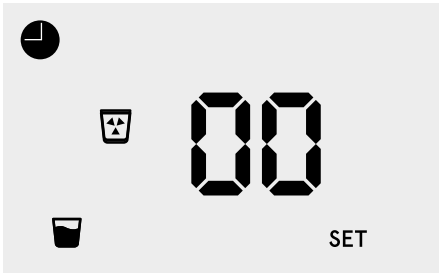


**Maximum temperature setting:** In case of activating the previous parameter, it will go to this screen to define the maximum desired temperature from which the water flow will be temporarily cut off, until it cools down again. You can select between 6°C and 15°C. Touch TEMP ▲ (2) or MAN ▼ (3) to increase or decrease the temperature. Press PROG. to validate and jump to the next parameter



**Hot water portion:** Record the desired portion for hot water. Press the hot water button (8) until the reference container is full. Press PROG. to validate and jump to the next parameter.





**Portion of cold water:** Record the desired portion for cold water. Press the cold water button (10) until the reference container is full.

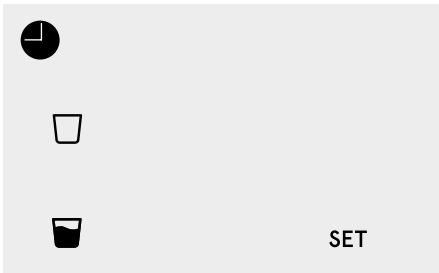
Press PROG. to validate and jump to the next parameter.



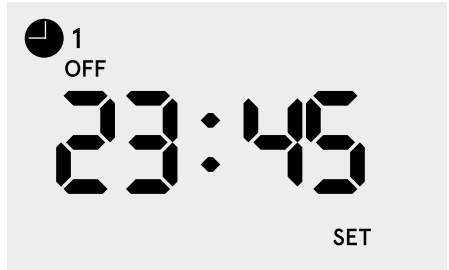
**Work fraction start setting 1:** Touch TEMP ▲ (2) or MAN ▼ (3) to increase or decrease the start time of work fraction 1.

Press PROG to validate. Touch TEMP ▲ (2) or MAN ▼ (3) to increase or decrease the minutes. Press PROG to validate.

Then you will need to set the end time of the split.



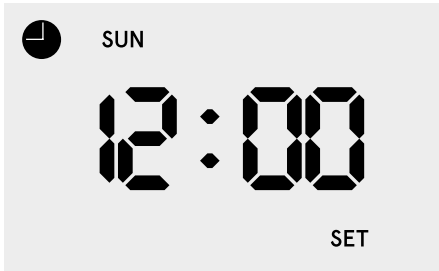
**Portion of ambient water:** Record the desired portion for the ambient water. Press the room water button (9) until the reference container is full.



**End of work fraction setting 1:** Touch TEMP ▲ (2) or MAN ▼ (3) to increase or decrease the end time of work fraction 1.

Press PROG to validate. Touch TEMP ▲ (2) or MAN ▼ (3) to increase or decrease the minutes. Press PROG to validate.

Then you must adjust the days of the week that this work fraction should be activated.



Press PROG. to validate and jump to the next parameter.

**Hour / minute / day of week setting:** Touch TEMP ▲ (2) or MAN ▼ (3) to increase or decrease the hour. Press PROG to validate.

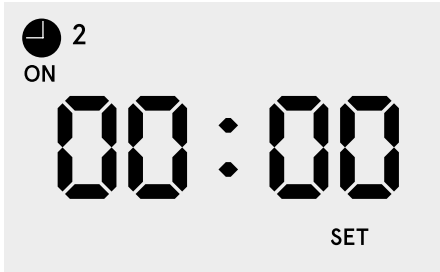
Touch TEMP ▲ (2) or MAN ▼ (3) to increase or decrease the minutes. Press PROG to validate.

Touch TEMP ▲ (2) or MAN ▼ (3) to increase or decrease the day of the week. Press PROG to validate.

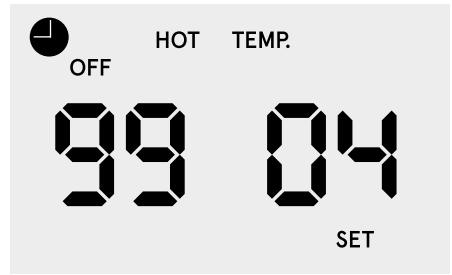


**Adjust split days of work 1:** Touch TEMP (2) to confirm or MAN (3) to cancel the days of the week you want the work fraction to work

1. Press PROG to validate.

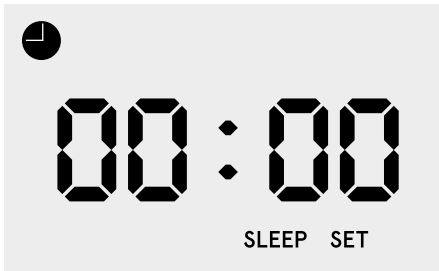


**Adjustment of working fraction 2 and 3:** If desired, adjust fractions 2 and 3 in the same way as fraction 1 is shown.



**Time / temperature:** Select whether you want the time or hot and cold water temperatures to appear on the default screen.

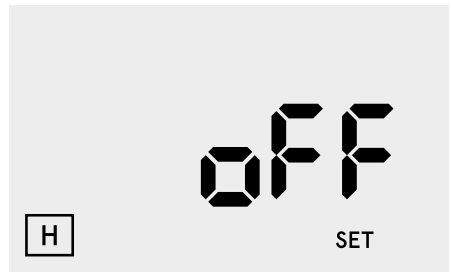
Touch TEMP (2) or MAN (3) to select between ON (shows time) or OFF (shows temperatures). Press PROG to validate.



**Energy save mode:** If no operation is performed at the selected hours, the equipment will enter energy saving mode and the cooling and heating functions will turn off.

Touch TEMP (2) or MAN (3) to select between: "0: 00/2: 00/5: 00".

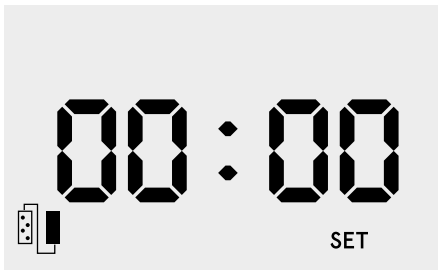
"0:00" means that there will be no energy saving. Select the desired duration "2: 00/5: 00". Press PROG to validate.



**Altitude adjustment:** This equipment has an automatic temperature readjustment system according to the altitude at which it is.

Touch TEMP (2) or MAN (3) to select between ON (enable) or OFF (disable).

Press PROG to validate.



**Maintenance notice:** You can set a reminder for maintenance past a specified volume of liters and the filter icon will appear accompanied by a beep.

Touch TEMP ▲ (2) or MAN ▼ (3) to increase or decrease. Each press increases or decreases 10H (100 liters). You can adjust between 000H and 500H. Press PROG to validate.



**Manual operation:** Activate the "SLEEP" power saving mode manually if desired.

Touch TEMP ▲ (2) or MAN ▼ (3) to increase or decrease. Select between 00:30, 1:00, 2:00, 3:00 4:00. Press PROG to validate.

#### 4.4 Functions

Automatic / manual mode: The equipment will work in automatic mode by default. If you want to switch to manual mode press MAN (2). If you want to switch to automatic mode press ACCEPT (4).

Use outside working hours: To dispense water outside the configured working hours, and therefore the equipment will be in energy saving mode, previously press MAN (2) to activate the manual mode. If the temperatures were shown on the screen, the temperatures will alternate with the remaining time until the next work fraction. If the time was displayed, the time will alternate with the remaining time until the next work split.

Child unlock: When the lock icon is on, touch the lock icon (5) and then press the hot water dispensing button (8). After 5 seconds it will automatically lock again. If the lock icon is not activated (not recommended) press the hot water button directly if you want to draw hot water.

Temperature limits: If the limits have been activated: minimum hot water temperature and maximum cold water, the equipment will not dispense water until the water temperatures are within the programmed limits. If you want to draw water, even if the temperature has not been reached, touch TEMP (2) and press the desired water button. It will then block again.

### 5. HOW TO ACCESS THE FILTERS

The lower front is a door. Stand in front of the door and hold it from the right side, slightly pull it open. You will find the filters attached to the inside of the equipment.

### 6. PERIODIC MAINTENANCE

Empty the equipment drip tray daily if it is not connected to a drain. Pull the rack out of the tray, and then grasp and pull the tray by the center handle to remove and empty it. Regularly clean the equipment cover with a damp cloth and without using aggressive products or solvents.

Periodically spray the water outlet nozzle with hydrogen peroxide spray, let it sit for a few minutes and remove a few liters of water to rinse the nozzle.

## 7. WARRANTY

The distributor guarantees the equipment for a period of two years in the event of any lack of conformity that is detected in them, as provided in RD 1/2007 of November 16 (revised text of the General Law on the defense of consumers and users) .

- The warranty includes the repair and replacement of defective parts by personnel authorized by the distributor or by the official technical assistance service (SAT) at the installation site or in its workshops. Labor and shipping costs that may be generated are included in the warranty.
- The distributor is exonerated from providing a guarantee in cases of parts subject to natural wear and tear, lack of maintenance, blows or other non-conformity that are the consequence of improper or inappropriate use of the equipment according to the operating conditions and limits indicated by the manufacturer. of the same. Likewise, the guarantee loses its effectiveness in cases of mishandling and use of the equipment or in those cases in which it has been modified or repaired by personnel outside the distribution company or official SAT.
- Parts replaced under warranty will remain the property of the dealer.
- The distributor is responsible for the lack of conformity of the equipment when it refers to the origin, identity or suitability of the products, in accordance with their nature and purpose. Taking into account the characteristics of the equipment, it is essential for the guarantee to cover the lack of conformity, the fulfillment of the technical conditions of installation and operation. Failure to comply with these conditions may lead to the absence of guarantee, taking into account the relevance of the equipment's destination and the conditions and operating limits in which it must operate.
- The distributor must guarantee that the installed equipment is adequate to improve the quality of the water to be treated in particular, according to the characteristics of the equipment and current regulations.
- The distributor must guarantee the correct installation and start-up of the equipment according to what is indicated by the manufacturer and current regulations, and will also be liable for the lack of conformity to an incorrect application, installation or start-up of the equipment.
- For any warranty claim it is necessary to present the purchase invoice. The two-year period is calculated from the purchase of the equipment from the distributor.
- If your equipment has a problem during the warranty period, contact your dealer.

### The equipment is installed and operating satisfactorily for the customer and for the record:

\* Treatment prior to the equipment:

\* Hardness of input to the equipment (°F):

\* TDS input to equipment (ppm):

\* TDS produced water (ppm):

\* Equipment inlet pressure (bar):

#### \* Result of the installation and commissioning sheet:

Correct:

Others:

*The owner of the equipment has been adequately and clearly informed of the use, handling and maintenance that the equipment requires to guarantee its correct functioning and the quality of the water produced. For this purpose, you are offered a maintenance contract.*

\* Ref. Maintenance contract:

ACCEPT the maintenance contract DOES NOT

ACCEPT the maintenance contract

*In case you need information, communication of breakdown or malfunction, request for maintenance or intervention of a technician, first read the sections on operation, detection and troubleshooting of this manual and contact the distributor or company that sold you your team.*

COMPANY AND / OR AUTHORIZED INSTALLER, DATE AND SIGNATURE:

SERIAL NUMBER:



**NOTE FOR THE COMPANY AND / OR AUTHORIZED TECHNICIAN / INSTALLER:** the data marked with the \* symbol must be filled in by the installer technician and transcribed himself from the INSTALLATION RECORD sheet.



## 8. INSTALLATION RECORD SHEET



**NOTES FOR THE TECHNICIAN / INSTALLER:** read this manual carefully. If you have any doubts, contact the Technical Assistance Service (SAT) of your distributor. The data marked with the \* symbol must be filled in by the technician / installer and transcribed by himself to the WARRANTY sheet. This sheet must be kept by the installer and may be required by the distributor in order to improve after-sales service and customer service. The technician who performs the installation and commissioning of the equipment must have adequate technical training.

### DATA ON THE APPLICATION OF THE EQUIPMENT:

Origin of the water to be treated:

PUBLIC SUPPLY NETWORK OTHER

\* Treatment prior to the equipment:

\* Hardness of input to the equipment (°F):

\* TDS input to equipment (ppm):

\* TDS produced water (ppm):

\* Equipment inlet pressure (bar):

### CONTROL OF THE INSTALLATION STEPS:

Pre-filter assembly: Overflow installation:

Commissioning according to protocol: Fittings revision:

Inlet hardness measurement: Outlet hardness measurement:

Insulation by-pass installation: Correct drainage installation:

Brine suction / tank filling check: Tightness of the pressurized system:

Equipment programming:

Setting the residual hardness:

### COMMENTS

\* Result of installation and commissioning:

CORRECT (equipment installed and working properly. Produced water appropriate to the application). OTHERS:

### IDENTIFICATION OF THE AUTHORIZED TECHNICIAN / INSTALLER:

COMPANY AND / OR AUTHORIZED INSTALLER, DATE AND SIGNATURE:

### EQUIPMENT OWNER CONFORMITY:

*I have been clearly informed of the use, handling and maintenance that the installed equipment requires, having been offered a maintenance contract and informed of how to contact a Customer Service in case of requesting information, communication of a fault or malfunction, request for maintenance or intervention of a technician.*

Comments:

\* Ref. Maintenance contract:

ACCEPT the maintenance contract DOES NOT

ACCEPT the maintenance contract Model / Ref.:

Owner:

Street:

Phone:

Population:

Province:

CP:

### SERIAL NUMBER:

### EQUIPMENT WARRANTY ADDRESSED TO THE DISTRIBUTOR:

*The distributor will only be responsible for the replacement of the parts in case of lack of conformity. The repair of the equipment and the expenses that it entails (labor, shipping costs, travel, etc.) will be assumed by the distributor, in accordance with what is agreed in the general conditions of contracting and sale, therefore which may not be passed on subsequently to the manufacturer.*

## 9. MAINTENANCE SERVICE

DATE	TYPE OF SERVICE	NAME, SIGNATURE AND STAMP OF AUTHORIZED TECHNICIAN	
<input type="text"/>	<input type="radio"/> START UP		
<input type="text"/>	<input type="radio"/> COMPLETE MAINTENANCE <input type="radio"/> PREPARATION <input type="radio"/> HYGIENIZATION <input type="radio"/> OTHERS	TECHNICAL <input type="text"/> STAMP <input type="text"/>	<input type="radio"/> ORDINARY <input type="radio"/> EXTRAORDINARY <input type="radio"/> WARRANTY
<input type="text"/>	<input type="radio"/> COMPLETE MAINTENANCE <input type="radio"/> PREPARATION <input type="radio"/> HYGIENIZATION <input type="radio"/> OTHERS	TECHNICAL <input type="text"/> STAMP <input type="text"/>	<input type="radio"/> ORDINARY <input type="radio"/> EXTRAORDINARY <input type="radio"/> WARRANTY
<input type="text"/>	<input type="radio"/> COMPLETE MAINTENANCE <input type="radio"/> PREPARATION <input type="radio"/> HYGIENIZATION <input type="radio"/> OTHERS	TECHNICAL <input type="text"/> STAMP <input type="text"/>	<input type="radio"/> ORDINARY <input type="radio"/> EXTRAORDINARY <input type="radio"/> WARRANTY
<input type="text"/>	<input type="radio"/> COMPLETE MAINTENANCE <input type="radio"/> PREPARATION <input type="radio"/> HYGIENIZATION <input type="radio"/> OTHERS	TECHNICAL <input type="text"/> STAMP <input type="text"/>	<input type="radio"/> ORDINARY <input type="radio"/> EXTRAORDINARY <input type="radio"/> WARRANTY
<input type="text"/>	<input type="radio"/> COMPLETE MAINTENANCE <input type="radio"/> PREPARATION <input type="radio"/> HYGIENIZATION <input type="radio"/> OTHERS	TECHNICAL <input type="text"/> STAMP <input type="text"/>	<input type="radio"/> ORDINARY <input type="radio"/> EXTRAORDINARY <input type="radio"/> WARRANTY

## 9. MAINTENANCE SERVICE

DATE	TYPE OF SERVICE	NAME, SIGNATURE AND STAMP OF AUTHORIZED TECHNICIAN	
<input type="text"/>	<input type="radio"/> START UP		
<input type="text"/>	<input type="radio"/> COMPLETE MAINTENANCE <input type="radio"/> PREPARATION <input type="radio"/> HYGIENIZATION <input type="radio"/> OTHERS	TECHNICAL <input type="text"/> STAMP <input type="text"/>	<input type="radio"/> ORDINARY <input type="radio"/> EXTRAORDINARY <input type="radio"/> WARRANTY
<input type="text"/>	<input type="radio"/> COMPLETE MAINTENANCE <input type="radio"/> PREPARATION <input type="radio"/> HYGIENIZATION <input type="radio"/> OTHERS	TECHNICAL <input type="text"/> STAMP <input type="text"/>	<input type="radio"/> ORDINARY <input type="radio"/> EXTRAORDINARY <input type="radio"/> WARRANTY
<input type="text"/>	<input type="radio"/> COMPLETE MAINTENANCE <input type="radio"/> PREPARATION <input type="radio"/> HYGIENIZATION <input type="radio"/> OTHERS	TECHNICAL <input type="text"/> STAMP <input type="text"/>	<input type="radio"/> ORDINARY <input type="radio"/> EXTRAORDINARY <input type="radio"/> WARRANTY
<input type="text"/>	<input type="radio"/> COMPLETE MAINTENANCE <input type="radio"/> PREPARATION <input type="radio"/> HYGIENIZATION <input type="radio"/> OTHERS	TECHNICAL <input type="text"/> STAMP <input type="text"/>	<input type="radio"/> ORDINARY <input type="radio"/> EXTRAORDINARY <input type="radio"/> WARRANTY
<input type="text"/>	<input type="radio"/> COMPLETE MAINTENANCE <input type="radio"/> PREPARATION <input type="radio"/> HYGIENIZATION <input type="radio"/> OTHERS	TECHNICAL <input type="text"/> STAMP <input type="text"/>	<input type="radio"/> ORDINARY <input type="radio"/> EXTRAORDINARY <input type="radio"/> WARRANTY







