

COMMERCIAL2000^{2.0}

**INSTRUCTION MANUAL
EQUIPMENT REVERSE OSMOSIS**

COMMERCIAL2000^{2.0}

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USER MANUAL

FOR REVERSE OSMOSIS EQUIPMENT

O. KEY FEATURES



CLICK
FAST CONNECTIONS
AND MAXIMUM SECURITY



SOLENOID VALVE
IMMEDIATE
CONTROL



DIRECT FLOW
DIRECT PRODUCTION OF
OSMOSIS WATER



HIGH PERFORMANCE
HIGH
PERFORMANCE



MANOMETER
MANOMETER



BIG 10" FILTER CARTRIDGE
BIG 10" CARTRIDGE



LOW VOLTAGE
24VDC OPERATION



DIRECT ACCESS
EASE OF ACCESS AND
MAINTENANCE



HIGH EFFICIENCY
GOOD RATIO PRODUCTION



AUTO FLUSHING
AUTOMATIC SWEEPING
MEMBRANE WITH OSMOSIS WATER



REINFORCED FURNITURE
REINFORCED FURNITURE



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

1. INTRODUCTION

Congratulations. You have purchased excellent commercial water treatment equipment and HORECA sector.

This equipment will help you improve the water characteristics of your business.

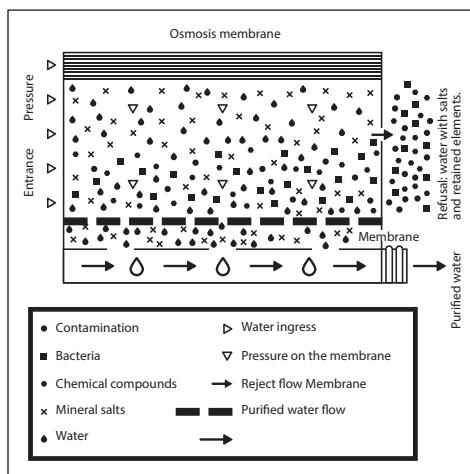
2. ¿QUÉ ES LA ÓSMOSIS?

Natural or direct osmosis is the most common in nature, since semipermeable 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 concentrations of salts are separated by a semipermeable membrane, naturally, there is a flow of water from the solution with the lowest concentration to the one with the highest concentration. 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 one with a higher concentration, sufficient pressure must be applied to the membrane of the water with a higher concentration 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 water, by means of a physical system (without the use of chemical products).

The water to be purified presses on the semipermeable 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 to the drain (Fig. 1).



3. ADVANCE WARNINGS

! ATTENTION: Read carefully the warnings described in the corresponding section of the Technical Manual.

! ATTENTION: This equipment does not produce purified water. When the incoming water is supplied by a public utility (and therefore meets current regulations), this equipment should be used to further enhance the water quality.

Water treatment equipment requires periodic maintenance by qualified technical personnel in order to guarantee the quality of the water produced and supplied..

3.1. USE OF THE EQUIPMENT

• When you are going to be away for more than a week, turn off the water tap on the equipment, empty in and disconnect in from the power supply. When you return, turn on the power supply to the car, open the inlet and the faucet. Let the water out for at least 5 minutes before drinking water.

! ATTENTION: After an extended period (more than one month) in which the equipment has been unable to operate or produce water, please contact with its distributor in order to carry out adequate hygiene and maintenance.

Remove jugs or full bottles and avoid occasional removal of cups to improve equipment performance.

3.2. RECOMMENDATIONS FOT THE CORRECT USE OF OSMOSIS WATER

• If you want to supply any point of consumption with osmosis water (such as fridge with a cube dispenses, another tap, etc...), the piping should not be made with a metal tube, as this would give the water a bad taste. Always use plastic tubing.

! ATTENTION: The water provided ny domestic osmosis equipment is of LOW MINERALIZATION. The mineral salts that the body needs. The mains contribution of human resources is provided by food, especially dairy products and to a lesser extent by drinking water.

4. BASIC OPERATION

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

The passage of water into the equipment is controlled by means of solenoid valve.

The water, after being treated in the filtration stage, is pushed into the reverse osmosis membrane. The equipment incorporates a pump to increase the pressure, since the pressure of the water on the membrane makes the reverse osmosis process possible.

The osmosis water exits the device to the outside through the outlet connection. Water that is rejected or has excess salts and other dissolved substances is directed to the drain for disposal.

When water is no longer requested, the equipment stops its operation by means of a maximum pressure switch.

This equipment incorporates a minimum pressure switch as a safety system, which protects the pump from pressure drops, stopping the equipment and preventing it from running at idle.

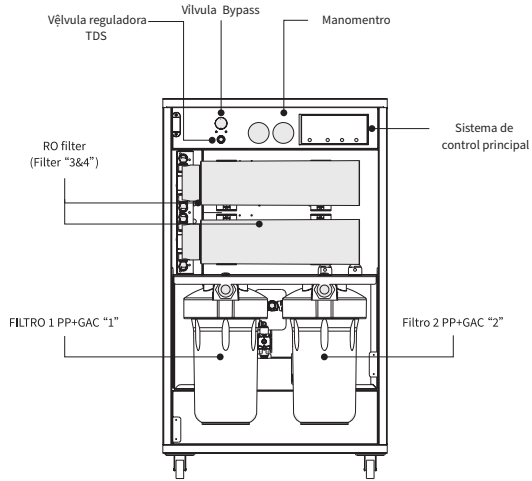
5. MAINTENANCE

In order to guarantee the quality of the water supplied by your team, periodic maintenance must be carried out.

6. IDENTIFYING THE MAIN COMPONENTS

In order to guarantee the quality of the water supplied by your team, periodic maintenance must be carried out.

Please read the relevant section of the Technical Manual to see the recommended maintenance frequency.



Linear graph of the filter	Filter	Name	Model
	Filter 1	PP+GAC Filtro	PPGAC10BB
	Filter 2	PP+GAC Filtro	PPGAC10BB
	Filter 3&4	RO Filtro	RO1000

7. PROBLEM IDENTIFICATION AND RESOLUTION

PROBLEM	POSSIBLE CAUSE	SOLUTION
1. The engine does not start, and there is no water.	Water shortage or insufficient water pressure.	Open the water supply or install a booster pump.
	Failure of the high-voltage switch or solenoid valve.	Replace the high-voltage valve or solenoid valve.
	Failure of the control box or power outage.	Replace the control box or check whether the system is switched on.
	Pump failure.	Replace the Pump.
2. Reduced amount of osmotized water.	The first two filters or RO membranes are clogged, or the water temperature is low.	Replace the first two filters or the RO filter, or both.
3. The Pump runs normally, but there is no osmotized water.	The first two filters or RO membranes are clogged.	Replace the first two filters or the RO filter, or both.
4. The Pump operates intermittently during self-cleaning.	The inlet water pressure is insufficient.	Install a booster pump.
	The first two filters are blocked.	Replace the first two filters.
5. The drain water continues to flow after the system is turned off.	The inlet solenoid valve is clogged with debris or damaged.	Replace the first two filters or the RO filter, or both.
6. The system does not stop when the tank is full, or it starts immediately after stopping.	Failure of the high-voltage switch or solenoid valve.	Replace the first two filters or the RO filter, or both.
	The check valve at the end of the RO filter is damaged.	Install an auxiliary pump.
	The incoming water flow is insufficient.	Replace the first two filters.
7. The display does not light up.	There is no power or the display is damaged.	Checking for power or changing the screen.
8. The digits on the display are not visible.	The screen is damaged	Change the screen.
9. The TDS value shows 0.	The TDS probe is not installed correctly or the display is damaged.	Check whether the probe is correctly installed or replace the display.
10. Inlet water pressure is too low.	The inlet water pressure is insufficient.	Install a booster pump.
11. Inlet water pressure is too high.	The inlet water pressure is excessive.	Install a pressure reducing valve.

PROBLEMA	POSIBLE CAUSA	SOLUCIÓN
12. Very low membrane pressure	Pump failure.	Change the Pump.
13. Very high pressure in the membrane	The RO membrane is blocked.	Change the filter.
14. The system won't turn on	The PCB cable is disconnected.	Check the PCB cable.
	PCB failure or lack of power.	Check for power or change the PCB board.
		Change the power switch.

TECHNICAL MANUAL

FOR REVERSE OSMOSIS EQUIPMENT

1. ADVANCE WARNINGS

! **ATTENTION:** *The equipment is NOT WATER PURIFIERS of 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.*

! **ATTENTION:** *In the event that the water to be treated does not come from a public supply network or is of unknown origin, the Carrying out a physical-chemical and bacteriological analysis of the water to ensure its correct drinkability by applying the appropriate techniques and equipment to each need, PRIOR TO THE INSTALLATION of the equipment. Please contact your dealer for advice on the most appropriate treatment for you.*

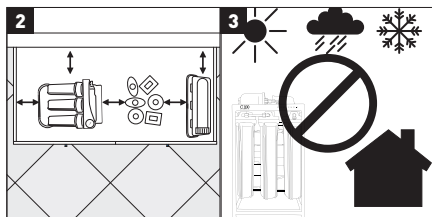
1.1 CONDITIONS FOR THE CORRECT FUNCTIONING OF THE EQUIPMENT

- The equipment should not be fed with hot water ($T > 38^{\circ}\text{C}$).
- The ambient temperature should be between 4° and 45°C .
- For waters with salinities above 2000 ppm, consult your distributor.
- It is recommended that the water to be treated be scaled or with a maximum hardness of 15°HF in order to obtain optimal performance of the equipment.
- In the event that the water to be treated is of a hardness greater than 15°HF , there could be a reduction in the life of the membrane and in the performance of the equipment.
- In the event that the supply water contains a concentration greater than 1.2 ppm of the total chlorine, the installation of an activated carbon dechlorinator filter is recommended to reduce the concentration of chlorine in the water and thus protect and extend the life of the equipment components.

In case the water to be treated contains:

- High concentrations of iron and manganese (Greater than 1 ppm measured in the rejection of the machine).
- Prolonged hyperchlorinations over time. Sludge or turbidity greater than 3 NTUs.
- A nitrate concentration greater than 100 ppm.
- A sulfate concentration greater than 250 ppm.

Contact your distributor for advice on the most suitable pre-treatment for your situation, to ensure the equipment works correctly, prevent damage to components and guarantee the quality of the water supplied.



2. 2. EQUIPMENT INSTALLATION

- In the event of having to condition the installation of the establishment in order to install the equipment in the intended place, it must be done following the national standards for indoor installations of water and electrical supplies.
- RO equipment needs an electrical outlet less than 1 meter away.
- The place intended for installation must have sufficient space for the appliance itself, its accessories, connections and for convenient maintenance (2).
- Under no circumstances shall the equipment be installed outdoors (3).
- The environment and environment where equipment and accessories are installed must maintain adequate hygienic-sanitary conditions.
- Avoid external drips on the equipment, coming from pipes, drains, etc.

! ATTENTION: The equipment should not be installed next to a heat source or receiving a direct flow of hot air on it (dryer, refrigerator, etc.).

2.1. COMMISSIONING AND MAINTENANCE

! ATTENTION: Water treatment equipment needs periodic maintenance by qualified technical personnel, in order to guarantee the quality of the water produced and supplied.

- Consumable elements must be replaced with the frequency indicated by the manufacturer.
- The equipment must be sanitized periodically and prior to its commissioning.
- After commissioning, the water produced during the first 15 minutes of use must be discarded.
- Maintenance must be carried out by qualified technical personnel, with appropriate hygienic attitudes and conditions, in order to reduce the risk of internal contamination of the appliance and its hydraulic system. (For more information, contact your dealer's technical service.)

3. UNPACKING

! It is important that before installation and commissioning, you check the box and condition of the equipment, in order to ensure 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 goods.

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

! CAUTION: Properly dispose of and keep out of the reach of hidden plastic bags, as they can be a hazard for children.

Inside you will find: Water treatment equipment, installation accessories and documentation.

The materials used in the packaging are recyclable and should be disposed of in the appropriate separate collection containers or at the specific local waste material recovery centre.

This product cannot be disposed of together with regular urban 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 and electronic components. The correct collection and treatment of unusable equipment contributes to preserving natural resources and also to avoiding potential risks to public health.

4. INSTALACIÓN



The installation of your osmosis equipment must be carried out by sufficiently qualified personnel. Please read this manual beforehand and consult your dealer if in doubt.

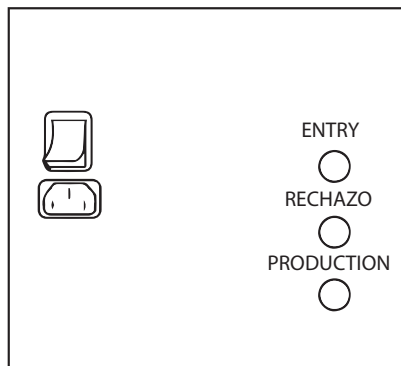
! **ATTENTION:** Since the appliance to be installed improves the quality of the water to be installed to be consumed, all tools to be used for assembly and installation must be clean and in no case may they be contaminated or impregnated with greases, oils or oxides. Use dedicated tools for tube cutting,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

! **ATTENTION:** The work must be carried out with an appropriate hygienic attitude and 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.

(For more information, contact your dealer.)

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

Connect the inlet, reject and product tubes to the connections indicated on the back of the machine.



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

5. START-UP

5.1. RINSE THE CARBON FILTERS

• It is necessary to remove the dust that the carbon from the filter could generate during the transport and handling of the equipment and correspondents. This dust must be removed as it could partially or completely clog the membrane as well as cause equipment to malfunction. The equipment will automatically wash after ignition.

To do this, disconnect the tube before the filters are outlet. Power Equipment Hydraulically and electrically and direct this tube into an external container or sink until the water runs clear.

! ATTENTION: *Do not wash the carbon pre-filter through the tap, as the carbon dust will be that is intended to be eliminated, will penetrate the different components of the equipment, and may cause the malfunction of some of them and/or the reduction of the useful life of certain components.*

5.3. EQUIPMENT SANITIZATION

Sanitize the equipment, according to the model and procedure indicated by the manufacturer (see the Sanitization Procedure).

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

If in doubt, consult your dealer.

5.4. LEAK CHECK

1. Check that all components are sufficient before installation. Confirm the installation location and reserve space for the power outlet and drain pipe working properly.

2. Install it by rotating it clockwise until the cartridge clicks into position. Turn counterclockwise when you want to remove the filter.

3. Remove the PP+GAC filter housing counterclockwise. Place the PP+GAC filter in the housing, rotate the filter housing clockwise and tighten with a wrench.

4. Connect the tap water pipe to the inlet side of the system. Connect the drain outlet to the drain pipe. Connect the ultrafiltration water outlet and/or RO water to the consumption device according to the actual situation.

The inlet voltage must be 220V AC.

It is forbidden to remove the grounding plug.
It is forbidden to lengthen the purifier's power cord at your own expense. If it breaks, get the original power cord.

! ATTENTION: The inlet voltage must be 220 VAC. It is forbidden to remove the grounding plug. It is forbidden to lengthen the cable of Feeding the purifier at your own expense. If it breaks, get the original power cord.

! CAUTION: Failure to comply with any of the above rules could result in injury or death, fire, or electric shock.

! ATTENTION: The system and installation must comply with local laws and regulations.

! ATTENTION: The RO system contains a replaceable treatment component, essential for effective reduction of TDS. The production water must be analyzed periodically to verify that the system .

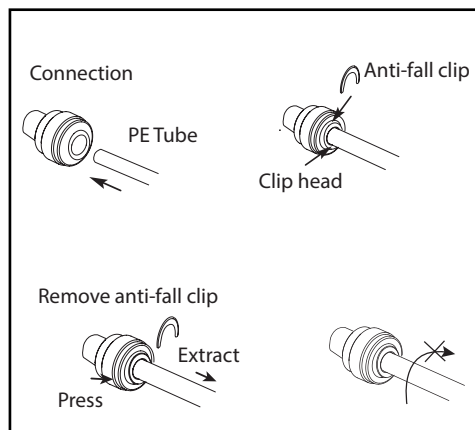
A valve is needed at the connection point of the water pipe. All connections must be made following the instructions.

! ATTENTION: It is forbidden to install the system in a water supply line whose pressure is higher than 4 bar.

This system is only used with water at room temperature, it is not allowed to install it in a hot water line. Leave at least 10 cm away from the wall if the installation position is close to the wall to avoid water leakage caused by water pipe tension.

There should be a floor drain within 1.5 m of the installation location of the system in case of leakage caused by water leaks.

1. Insert the water pipe firmly into the quick fittings.
2. Pull the water pipe after inserting it at the bottom and insert the fall clip. On the clip head, pull a little and attach the water pipe.
3. If you need to remove the pipe, remove the fall clip first, press the clip head, and pull the pipe.
4. It is forbidden to turn the connector to avoid scratching the pipe.

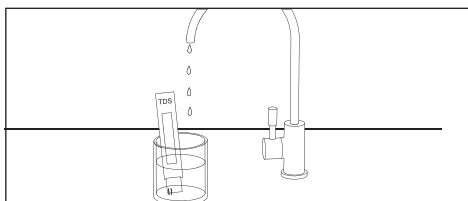


5.5.5.5. RINSING AND CLEANING

Open the osmosis equipment outlet of the equipment and measure the quality of the water being produced. Using a conductivity or TDS meter, check that the salt reduction obtained is adequate with respect to the water to be treated (13).

! ATTENTION: In case of detecting that the water dispensed does not comply with current national legislation. Make sure the mixing tap is closed and re-measuring. If the deviation persists, close the equipment inlet valve, empty it through the tap, disconnect it electrically and contact your service technician.

Finally, clean the inside and bottom of the equipment with single-use blotting paper, in order to remove any water that may have fallen into it.



6.MAINTENANCE

! ATTENTION: Some components of your equipment, such as the pre-filter and membrane, are consumables that have a limited duration.

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, etc.

! ATTENTION: In order to guarantee the quality of the water supplied by your equipment, you must carry out periodic maintenance.

RECOMMENDED MAINTENANCE

FILTERS 1 and 2 PP + GAC: Variable depending on the quality of the water and the customer's consumption. Max. 12 months.

Sanitization: At start-up. At least every 12 months depending on use. Any time components in contact with water in the equipment are accessed or no water has been consumed 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, warranty, 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 operating limits and commissioning, 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 subjected*

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

Your distributor will predict the duration of the consumables according to the characteristics of the water to be treated and the expected consumption in each case.

! **ATTENTION:** *All consumables are supplied with an individual packaging specially designed to guarantee hygienic storage and transport conditions. Exercise extreme hygienic precautions after removing consumables from their packaging and during handling of individual connectors and components.*

! **ATTENTION:** *Before disassembling the equipment, provide all the equipment you will need to make maintenance operations (see section 5 Installation) and the space required for this. Work in a well-lit place, in adequate hygienic conditions and with enough space to carry out operations comfortably.*

- Replace filters properly. Ensure the tightness of the joints and the original hydraulic configuration of the system as recommended by the manufacturer.
- Sanitize the equipment following the instructions described in the Sanitization Procedure.
- For more information, please refer to the team's technical sheet. If you have any other questions, consult your dealer.

! **CAUTION:** *Wear gloves or appropriate personal protective measures, if using chemicals during sanitization.*

! **ATTENTION:** *In case of detecting that the dispensed water does not comply with current national legislation, close the inlet of the equipment, empty it through the tap, disconnect it electrically (depending on the model) and contact your technical service.*

TECHNICAL DATA

FOR REVERSE OSMOSIS EQUIPMENT

1. 1. TECHNICAL CHARACTERISTICS

APPLICATION

Water treatment
Reverse osmosis

Use
Improvement of the characteristics of drinking water (complying 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 due to reduction or contribution
• Water treatment by reverse osmosis is capable of reducing concentrations of salts and other substances by 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 incorporated in the equipment and/or regulation of the mixing valve (if incorporated).

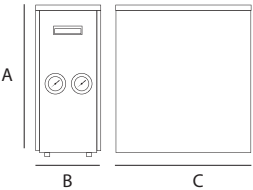
OPERATING LIMITS

	PUMP EQUIPMENT
Pressure(max./min.):	6 bar (600 kPa) - 3 bar (300 Kpa)
TDS (max.):	2000 ppm
Temperature (max./min.):	40°C – 2°C
Hardness (max.):	15 °HF.

Control Type: Maximum pressure switch. Inlet control solenoid valve.

Security System: Minimum pressure switch.

Dimensions (W x W x C in mm): 845 x 320 x 500.
Weight (in kg, including all accessories): ?
Inlet connection: 1/2".
Drain connection: 3/8".
Tap connection: 3/8"

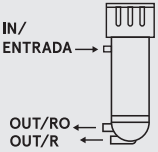


Prefilter



RO IN / INLET membrane

2X PP+GAC FILTERS



Production:

1000 GPD x 2 unidades

Power supply:

Electrical adapter:

Faucet type:

Production:

220-240 Vac

240 Vac 50/60 Hz - 24 Vdc 5 lpm.

No back pressure.

Water to be treated 15 °HF.

Automatic flushing:

Con agua osmotizada

DISTRIBUTED BY:

WLG / PEU

Aiguafreda, 8

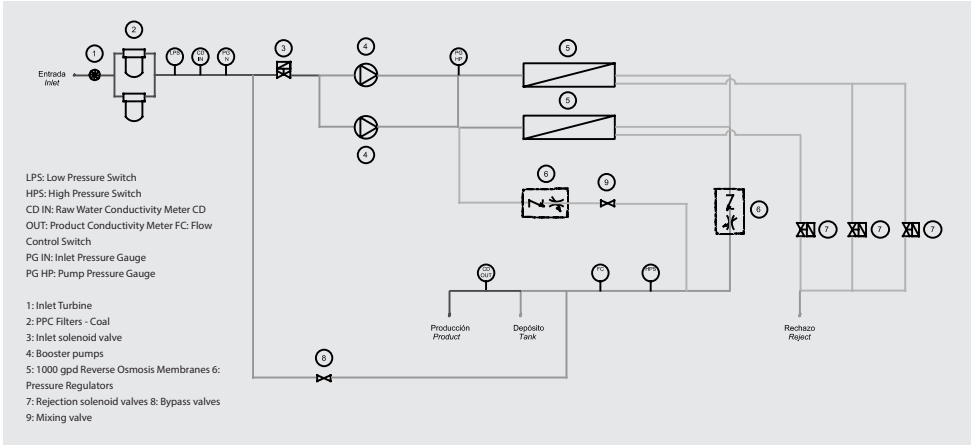
Pol. Ind. L'Ametlla Park

08480, L'Ametlla del Vallès

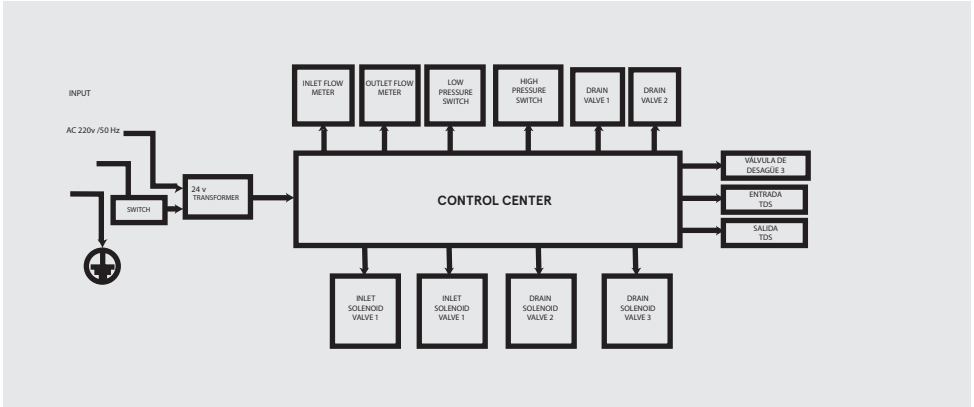
Barcelona - Spain

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ESQUEMA HIDRÁULICO



ESQUEMA ELÉCTRICO



Hydraulic Connection Scheme

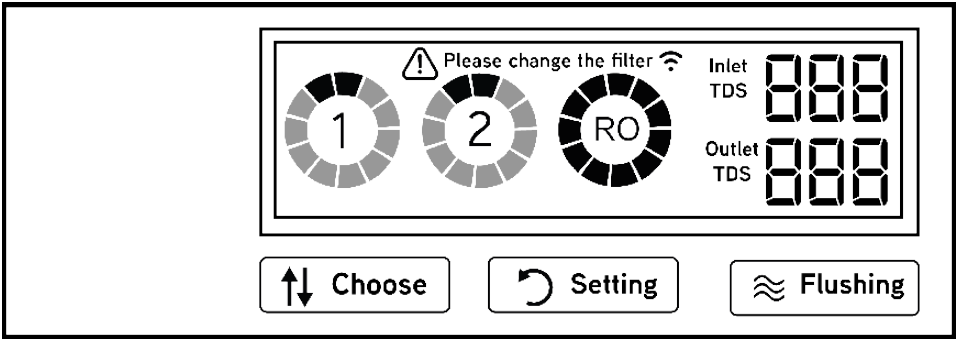
* For salinities above 2000 ppm, consult your dealer.
** Higher hardness may reduce the life and performance of certain components.
Maximum accumulation depending on the inlet pressure.
Flow rates can vary by 20% depending on the temperature, pressure and specific composition of the water to be treated.
It may vary depending on the model.

2. OPERATION OF THE EQUIPMENT

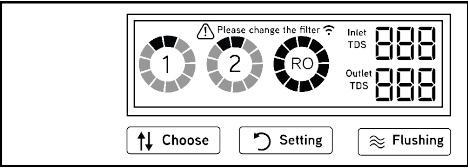
The mains water to be treated enters the equipment by passing through the pre-filtration stage incorporating carbon filters (C). In this filtration stage, suspended particles, chlorine, its derivatives and other organic substances are retained.

- The passage of water into the equipment is controlled by a shut-off solenoid valve (Si).
- The water, after being treated in the filtration stage, is propelled into the reverse osmosis membrane (M). The equipment incorporates a pump (P) to increase the pressure. The pressure of water on the membrane makes the reverse osmosis process possible.
- Reject water or water with excess salts and other dissolved substances is directed to the drain for disposal.
- Direct flow devices control gait and pitch using a pressure switch (HPS).

3. INTERFACE. STATE OF THE SYSTEM



3.1.3.1 LED DISPLAY PANEL INDICATORS AND SETTINGS



INDICATOR	ICON	STATE
Filter life indicator		Filter life indicator: Illuminates on blue when the filter life is between 20% and 100%.
		It glows red when the filter life is less than 20%. The filter change icon lights up synchronously. The two red bars flash when the filter life is less than 5% and the filter change icon flashes synchronously.
Filter wash indicator		The filter indicator flashes indicating THAT YOU ARE CLEANING THE FILTER.
TDS INLET	Inlet TDS	Inlet TDS value.
TDS OUTLET	Outlet TDS	Outlet TDS value.
Cleaning Setting		Short press of the FLUSHING button will force the cleaning of the filters.
WIFI Connection		Pulse "WIFI" and hold it for 3 seconds. It flashes rapidly, indicating that it is connecting to the network. It flashes slowly, indicating that the network is connected. Press "WIFI" and hold it for 3 seconds if you want to disconnect from the network.

3.2 FILTER LIFE SETTINGS

FILTER	CONFIGURATION
Default settings	Press and hold at the same time, 30 seconds after the system is turned on.
Filter life setting 1.	Step 1: Press and hold for 5 seconds to enter the edit mode, then short press to select filter 1. Step 2: Tap to select the filter life level. Press to select the filter life level (1, 2 or 3 lines), then press to exit the mode of editing.
Filter life setting 2.	Follow the previous two steps of filter «1» to set up filter «2».
RO Membrane life adjustment.	Follow the previous two steps of filter «1» to set MEMBRANE «RO».

3.3 FILTER LIFE

LIFE ICON FILTERS	FILTER LIFE	FILTER 1 (PP+GAC)	FILTER 2 (PP+GAC)	FILTER "RO"
	1 line	40 m³	40 m³	40 m³
	2 line	80 m³	80 m³	600 m³
	3 line	120 m³	120 m³	800 m³

LIFE ICON FILTERS	FILTER	RECOMENDED EXCHANGE
Filter1	PP + GAC	Variable depending on the quality of the water and the customer's consumption. Max. 12 months.
Filter 2	PP + GAC	
Filter RO	RO	

3.4 HOW TO CLEAN THE FILTERS

1. Automatic cleaning
When the power supply is turned on, the filters are automatically cleaned.
2. Regular automatic cleaning
"RO" filter: it will clean the "RO" filter automatically for 30 seconds after the water in the tank is full, the "RO" indicator will flash synchronously.
3. Manual cleaning
Press the "Flush" button to start cleaning the filters: 1 minute for the "1" filter, 1 minute for the filter "2" and 30 seconds for the "RO" filter. Press the "Flush" button during cleaning to stop the process.

Note: Manual cleaning will not work if there is a shortage of water, there are water leaks, the filter life has not been set, or there is a system error.

3.5 WARNINGS

Make sure the water supply pipe or machine is not frozen. Turn off the water supply and drain the water from the machine if the temperature Outdoor is less than 0°C.
Install the machine away from direct sunlight and places that contain harmful chemicals.
Keep the product away from heat. Disassembling the product is prohibited.
The actual lifespan of the filters depends on the local water quality .

3.6 HOW TO CHANGE FILTERS

- Change filters to ensure water quality. PP+GAC FILTER
- Step 1: First turn off the water supply, and a few seconds later, disconnect the power supply.
- Step 2: Press the red pressure relief button to release the pressure.
- Step 3: Remove the wrench from the spare parts pack, place it in the filter housing From the bottom up, remove the filter housing counterclockwise and remove the old filter from the housing.

Step 4: Place the new filter in the filter housing with the rubber ring facing up. Turn the filter housing clockwise and tighten with the wrench.

Note: Check that the black rubber ring on the top of the housing is in position.

3.7 3.7 HOW TO CHANGE MEMBRANES

RO Filter

Step 1: Turn off the water supply first, and 10 seconds later, disconnect the power supply.

Step 2: Remove the quick connector from the cover of the case. See "How to Connect the Quick Connector" for detailed information on operation.

Step 3: Use the wrench in the spare parts package to open the RO housing cover. Insert the new RO filter. Refer to step 2 of the "Installation Instructions" for detailed information on operation.

! *Attention: The filter is the main component of the purification system. The Purifying Effect of water can be reduced if an unapproved or expired filter is used. We cannot offer a warranty if the product is damaged due to the use of a non-original filter.*

4. WARRANTY

The distributor guarantees the equipment for a period of two years in the event of any non-compliance detected in the equipment, in accordance with Royal Decree 1/2007 of 16 November (revised text of the General Law for the Defence of Consumers and Users).

- The guarantee includes the repair and replacement of faulty parts by personnel authorised by the distributor or by the official technical assistance service (S.A.T.) at the place of installation or in its workshops. Included in the warranty is labor and shipping costs that may be generated.
- The distributor is exonerated from providing a guarantee in the case of parts subject to natural wear, lack of maintenance, blows or other nonconformities resulting from improper use of the equipment or inadequate according to the conditions and operating limits indicated by the manufacturer of the same. Likewise, the warranty becomes ineffective in cases of improper handling and use of the equipment or in those cases in which they have been modified or repaired by personnel outside the distribution company or official S.A.T.
- The parts replaced under warranty will remain the property of the distributor.
- The distributor is responsible for the lack of conformity of the equipment when it refers to the origin, identity or suitability of the products, according to their nature and purpose. Bearing in mind the characteristics of the equipment it is essential for the warranty to cover the lack of conformity, the fulfillment of the technical conditions of installation and operation. Failure to comply with these conditions may result in the absence of a warranty, taking into account the relevance of the destination of the equipment and the conditions and operating limits in which it must operate.
- The distributor must ensure that the installed equipment is suitable for improving the quality of the water to be treated in particular, according to the characteristics of the equipment and the regulations in force.
- The distributor must ensure the correct installation and start-up of the equipment as indicated by the manufacturer and current regulations and will also be liable for any lack of conformity resulting from incorrect application, installation or start-up of the equipment.
- For any warranty claim it is necessary to present the purchase invoice. The period of two years is calculated from the purchase of the equipment from the distributor.
- If there is a problem with your equipment during the warranty period, please contact your dealer.

The equipment is installed and operating to the customer's satisfaction and for the record:

- * Pre-treatment of the equipment:
- * Hardness of entry to the equipment (°F):
- * TDS input to the equipment (ppm):
- * TDS produced water (ppm):
- * Pressure of entry to the equipment (bar):

* Result of the installation and commissioning sheet:

- Correct:
- Others:

The owner of the equipment has been properly and clearly informed of the use, handling and maintenance that the equipment requires to ensure its proper functioning and the quality of the water produced. A maintenance contract is offered for this purpose.

*Ref: Maintenance contract:

ACCEPTS the maintenance contract ☒

DOES NOT ACCEPT the maintenance contract ☐

If you need information, report a malfunction or malfunction, request for maintenance or intervention by a technician, please read the operation, troubleshooting and troubleshooting sections of this manual beforehand and contact the distributor or company that sold you your equipment.

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 installation technician and transcribed by him/her from the **INSTALLATION REGISTRATION** sheet.

5. INSTALLATION REGISTRATION FORM



NOTES FOR THE TECHNICIAN/INSTALLER: read this manual carefully. If you have any questions, contact your distributor's Technical Support Service (S.A.T.). The information marked with the symbol * must be filled in by the technician/installer and transcribed by him/her onto the WARRANTY sheet. This sheet must be kept by the installer and may be requested by the distributor in order to improve after-sales service and customer care. The technician who installs and commissions the equipment must have the appropriate technical training.

DATA ON THE APPLICATION OF THE EQUIPMENT:

Source of water to be treated:

☐ PUBLIC SUPPLY NETWORK

☐ OTHERS

* Pre-equipment treatment:

* Equipment inlet hardness (°F):

* Equipment inlet TDS (ppm):

* Produced water TDS (ppm):

* Equipment inlet pressure (bar):

* Equipment inlet chlorine concentration (ppm):

CONTROL OF INSTALLATION STEPS:

Sanitization according to the protocol described
Maximum pressure switch setting
Inspection and fittings
Pressurized system tightness

TDS produced water (countertop faucet) (ppm)
Clearly inform about the use, handling, and maintenance that the equipment requires to ensure its proper functioning and quality of the water produced.

COMMENTS

* Result of installation and commissioning:

☐ CORRECT (equipment installed and functioning correctly. Water produced suitable for the application).

☐ OTHERS:

IDENTIFICATION OF THE AUTHORIZED TECHNICIAN/INSTALLER:

AUTHORIZED COMPANY AND/OR INSTALLER, DATE AND SIGNATURE:

EQUIPMENT OWNER'S CONSENT:

I have been clearly informed of the use, handling, and maintenance required for the installed equipment. I have been offered a maintenance contract and informed of how to contact customer service in case I need to request information, report a breakdown or malfunction, request maintenance, or request the intervention of a technician.

Comments:

*Ref. Maintenance contract:

ACCEPT the maintenance contract

DO NOT ACCEPT the maintenance contract

Model/Ref.:

Owner:

Street:

Phone:

City:

State:

Zip code:

SERIAL NUMBER:

EQUIPMENT WARRANTY FOR DISTRIBUTORS:

The distributor will only be responsible for replacing parts in the event of non-conformity. The repair of the equipment and the costs involved (labor, shipping costs, travel, etc.) will be borne by the distributor, in accordance with the general terms and conditions of contract and sale, and therefore cannot be passed on to the manufacturer at a later date.

6. MAINTENANCE SERVICE

DATE	TYPE OF SERVICE	NAME, SIGNATURE AND STAMP OF TECHNICIAN	
	START-UP		
	COMPLETE MAINTENANCE	TECHNICIAN	ORDINARY EXTRAORDINARY WARRANTY
	PREPARATION	STAMP	
	SANITIZATION		
	OTHERS		
	COMPLETE MAINTENANCE	TECHNICIAN	ORDINARY EXTRAORDINARY WARRANTY
	PREPARATION	STAMP	
	SANITIZATION		
	OTHERS		
	COMPLETE MAINTENANCE	TECHNICIAN	ORDINARY EXTRAORDINARY WARRANTY
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	OTHERS		

[illegible]

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

