EQUIPO
UNE 149101
CERTIFICADO

MYNDER 600

INSTRUCTION MANUAL

REVERSE OSMOSIS
EQUIPMENT

INDEX **P**

USER MANUAL
FOR REVERSE OSMOSIS EQUIPMENT

0. MAIN FEATURES

CLICK
QUICK CONNECTIONS
AND MAXIMUM SECURITY

FILTER CONTROL
AUTOMATIC MAINTENANCE
WARNINGS

SOLENOID VALVE
IMMEDIATE CONTROL

DIRECTFLOW
DIRECT PRODUCTION
OF OSMOTIC WATER

LED STATUS
STATUS INDICATIONS

HIGH PERFORMANCE MOTOR
MOTOR DE ALTO
RENDIMIENTO

SECURITY LOCK
SECURITY
LOCK SYSTEM

NO COMPATIBLE WITH 3 WAY FAUCET
NOT COMPATIBLE WITH
3- WAY TAP

VERSATILITY
VERSATILITY

ELECTRONIC ADAPTER
GREATER SECURITY
AND EFFICIENCY

DOUBLEFLOW
IGHER FLOW
OF WATER DISPENSED

DIRECT ACCESS
EASE OF ACCESS
AND MAINTENANCE

SOUND WARNINGS
SOUND WARNING
SYSTEM

HIGH EFFICIENCY
HIGH RECOVERY

CAPSULATED MEMBRANE
CAPSULATED MEMBRANE

TDS CREEP REDUCTION
TDS CREEP REDUCTION

ECO PACK
ECO-FRIENDLY
PACKAGING

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

1. INTRODUCTION

Congratulations! You have acquired an excellent piece of domestic water treatment equipment.

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

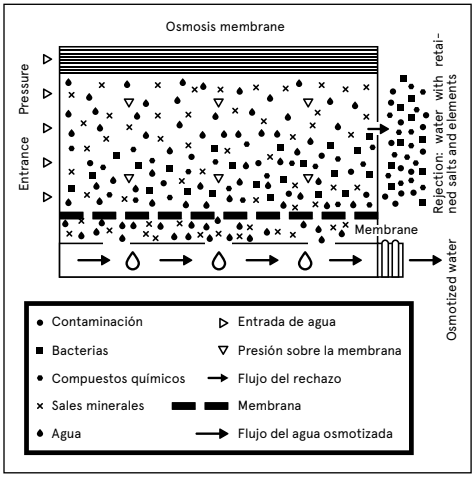
2. WHAT IS OSMOSIS?

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

When two solutions of different concentrations of salts are separated by a membrane semipermeable, naturally, a flow of water occurs from the solution of lower concentration to that of higher concentration. This flow continues until the concentrations on both sides ofthe membrane become equal.

When it comes to reversing this process and achieving a water flow with a lower concentration of salts from of one with a higher concentration, sufficient pressure must be applied, from the part with the highest concentration on the membrane, to overcome the natural tendency and flow of the system. This process is what we call reverse osmosis. Currently, reverse osmosis is one of the best methods to improve the characteristics of water, through a physical-chemical system (without the use of added chemicals).

The water to be purified puts pressure on the semipermeable membrane, so that part of it will be able to pass through the pores of the membrane (osmotized water), while the rest of the water (rejected and with a higher concentration of salts) will be diverted towards the drain (Fig. 1).



3. PRIOR WARNINGS

ATTENTION: Carefully read the warnings described in the corresponding section of the Technical Manual.

ATTENTION: These devices are NOT WATER PURIFIERS. If the water to be treated comes from a public supply (and therefore complies with current legislation), these devices will substantially improve water quality.

If the water to be treated does not come from a public supply network or is of unknown origin, a physical-chemical and bacteriological analysis of the water will be necessary to ensure proper purification using the appropriate techniques and equipment for each need, PRIOR TO INSTALLATION. Contact your distributor for advice on the most appropriate treatment for your situation.

Water treatment equipment requires periodic maintenance performed by qualified technical personnel to ensure the quality of the water produced and supplied.

Except for maintenance technicians, no one else is authorized to disassemble and repair, to avoid fires and electric shocks.

3.1. USE OF THE EQUIPMENT

· When you will be away for more than a week, turn off the water inlet valve, drain the appliance, and disconnect it from the power supply. When you return, turn on the inlet valve and tap, reconnect the power supply, and let the water flow for at least 5 minutes before consuming water.

ATTENTION: After a prolonged period (more than one month) in which the equipment has not been working or producing water, contact your distributor in order to carry out proper sanitation and maintenance.

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

ATTENTION: Special attention must be paid to the cleaning and hygiene of the osmosis faucet, both regularly and especially during periodic maintenance and cleaning. To do so, use the sanitizing spray and single-use disposable kitchen paper. Under no circumstances should you use the hand-drying cloth or multipurpose cloth used for cleaning the kitchen.

This appliance can be used by children aged 8 years and above and persons with reduced physical, sensory, or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be performed by children without supervision.

3.2. RECOMMENDATIONS FOR THE CORRECT USE OF OSMOTIC WATER

· Pipes must be made exclusively from plastic pipes that comply with regulations for human consumption. Using other materials could give the water an unpleasant taste and cause oxidation.

ATTENTION: The water provided by domestic osmosis systems is LOW IN MINERALIZATION. The mineral salts required by the human body are provided primarily by food, especially dairy products, and to a lesser extent by drinking water.

· It is recommended not to use aluminum utensils when cooking with osmosis water.

3.3 CONDITIONS FOR CORRECT EQUIPMENT OPERATION

· The equipment should not be fed with water with a temperature higher than 38ºC, nor lower than 5ºC.
· The room temperature should be between 4º and 45ºC.
· For water with salinity above 1500 ppm, consult your distributor.

In the event that the water to be treated contains:
1. Hardness greater than 15ºF.
2. Free chlorine concentrations > 1.2 mg/l.
3. High concentrations of iron or manganese (greater than 1 mg/l, measured in the equipment reject).
4. Turbidity greater than 3 NTU.
5. Nitrate concentrations > 100 mg/l.
6. Sulfate concentrations > 250 mg/l.

4. BASIC OPERATION

The operating steps of the system are described in the Technical Data Sheet section (page 20).

5. USER INTERFACE

ATTENTION: This equipment incorporates an electronic controller that efficiently manages the functionality and status indications, as well as the various safety systems.

The system's status and the information it provides are described in the equipment's data sheet (pages 18-22 of this manual).

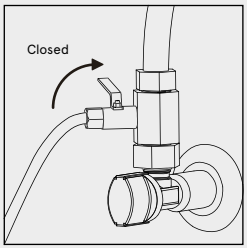
6. MAINTENANCE

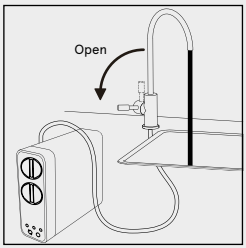
To ensure the quality of the water supplied by your equipment, it must be periodically maintained.

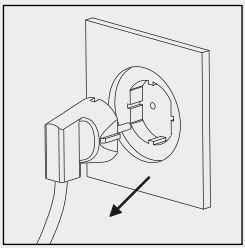
Read the corresponding section of the Technical Manual to see the recommended maintenance frequency (page 8 of this manual).

7. PROBLEM IDENTIFICATION AND RESOLUTION

PROBLEM	POSSIBLE CAUSE	SOLUTION
1. Leak to the outside of the equipment.	· Breakage of any internal part of the equipment. · Bad connection of installation. · Deterioration of some plastic tube. · Poor connection of the filter or membrane. · Has not been correctly depressurized before changing the membrane or filter.	· Check all installation connections · Let the machine depressurize correctly and reinstall the filter or membrane. · If you have to disassemble the equipment, call technical service first.
2. Zero production.	· There is no water supply. · There is no electricity supply. · Blocked membrane. · Transformer voltage less than 24 VDC. · Blocked inlet filter.	· Wait for the power to return. · Check the electrical supply of the home. · Check the transformer voltage. · Check the membrane and inlet filter.
3. Low production.	· Partially closed inlet valve. · Filters/membranes in poor condition or exhausted. · Rejection restrictor blocked, flow rate less than 1 liter per minute. · Pump blocked or with bubbles inside (cavitations) · Low temperature of the water supply to the equipment.	· Open it completely. · Replace the filter or membrane. · Change rejection valve. · Change pump in case of blockage. · Unplug and plug the equipment back in to perform a flushing cycle an eliminate the air contained in the pump.
4. Excessive production.	· Excessive chlorine entry into the membrane. · Rejection valve blocked, flow rate less than 1 liter per minute. · Excessively high feed water temperature >38ºC.	· Replace membrane. · Change of rejection valve. · The water temperature must be reduced below the limits. · Check the general installation of the enclosure to eliminate heat sources.
5. Unpleasant taste and smell.	· Membrane in poor condition. · The team has been stopped for a long time. · No sanitation has been performed. · Not purged correctly the sanitizing product.	· Replace membrane. · Perform disinfection. · Properly purge the device.
6. Whitish water color.	· Air in the system. Air microbubbles that disappear after a few seconds.	· It's not a problem. The appearance will disappear as the air inside the equipment is eliminated.
7. Continuous dripping noise from the drain.	· Device depressurization after production. · Dirty or damaged inlet valve. · Dirty, blocked or damaged membrane (production) non-return valve.	· Wait a few minutes and check if the dripping stops. · Clean or replace the inlet valve. · Check the non-return valve.
8. The equipment does not start.	· There is no water supply. · There is no electricity supply. · Blocked inlet filter. · Machine blocked by alarm. · Faulty electronic faucet.	· Check the condition of the main switch and the equipment input. · Check the general power supply. · Change the inlet filter. · If the power is on but the lights do not turn on, contact technical support. · Change the electronic faucet.
9. The equipment stops and starts constantly.	· Leak at production outlet. · Closures of electrical valve on external devices do not function properly and have internal leaks. · Production check-valve does not close properly.	· Check the reverse osmosis water installation for leaks and repair them. · Check the closing mechanisms of the devices connected to the equipment, and ensure proper closing. · If dispensing taps are installed, check for abnormal dripping and repair. · Check anti-return.
10. The equipment never stops rejecting water towards the drain.	1. Inlet solenoid valve deteriorated. 2. Faulty check-valve.	1. Check and replace.







Read the INTERFACE section of the Technical Sheet if a problem occurs, contact your service center and proceed as follows: Close the inlet valve. Open the tap to depressurize the system and unplug the power plug.

TECHNICAL MANUAL

1. MAIN FEATURES

APPLICATION

Water treatment
Reverse osmosis for domestic use.

Use
Improving the characteristics of drinking water (to meet 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
· Reverse osmosis water treatment is capable of reducing concentrations of salts and other substances by high percentages.
· Minimal reduction* of certain compounds and parameters:

Sodium: 85%.
Calcium: 90%.
Sulfate: 90%.
Chloride: 90%.
Total hardness: 90%.
Conductivity: 90%.

** Depending on the characteristics of the water being treated (at the membrane outlet). These values may vary depending on the type of postfilter incorporated in the equipment and/or the regulation of the mixing valve (if applicable).*

2. EQUIPMENT INSTALLATION

· If the installation needs to be adapted to accommodate the equipment in the planned location, this must be done in accordance with national standards for indoor water and electrical supply installations.

· These devices require an electrical outlet within 1 meter (1).

· Equipment filled with water weighs more; distributing weight in an unintended position could cause some connecting element to be forced, which could lead to malfunction, damage to equipment components, or water loss.

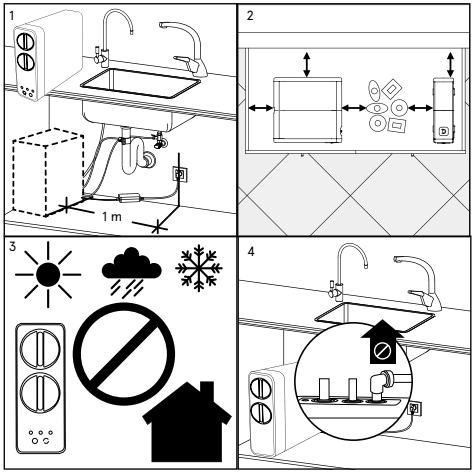
· The place planned for its installation must have sufficient space for the device itself, its accessories, connections and for easy maintenance (2).

· Under no circumstances will the equipment be installed outdoors (3).

· The environment and surroundings where the equipment and its subsequent connections are installed must maintain adequate hygienic and sanitary conditions.
· Do not bring flammable, explosive, volatile or strongly magnetic substances close to the water purifier.
· The equipment must only be installed with the supplied tap.
· Under no circumstances should the restrictor elbow connected to the reject (4) be removed.
· The appliance must only be operated with the power supply supplied with the appliance.
· The appliance must only be supplied with a voltage between 100 and 240 VAC 50/60Hz.

- Do not use damaged power supplies or plugs, or loose sockets.
- If the power cord is damaged, to avoid danger, it must be replaced by a designated professional after-sales maintenance technician.
- Do not touch the power plug with wet hands.
- Do not use under high water pressure 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 directly receiving a flow of hot air on it.

· New hose sets supplied with the appliance must be used and old hose sets must be disposed of properly.

2.1. COMMISSIONING AND MAINTENANCE

ATTENTION: Maintenance must be performed by qualified technical personnel, using appropriate hygiene practices and procedures, to reduce the risk of internal contamination of the appliance and its hydraulic system. (For more information, contact your distributor's technical service.)

· Consumable items must be replaced as frequently as indicated by the manufacturer.

· The equipment must be sanitized periodically and prior to being put into service.

· During the first 30 minutes after startup, filter and/or membrane change, water quality may vary until it reaches its optimal operating performance.

3. UNPACKING

It is important to check the box and condition of the equipment before installation and commissioning to ensure that it has not been damaged during transport.

ATTENTION: Claims for damage during transport must be submitted along with the delivery note or invoice to your distributor, within a maximum of 24 hours after receipt of the merchandise.

Remove the equipment and accessories from their cardboard packaging, removing any protective coverings.

ATTENTION: Dispose of plastic bags properly and keep them out of reach of children, as they can be dangerous to them.

Inside you will find: Water treatment equipment, installation accessories, and documentation. The packaging materials are recyclable and should be disposed of in appropriate separate collection containers or at a local waste recovery center.

This product cannot be disposed of with regular urban waste. When the equipment's useful life has ended, it must be returned to the company or center where it was purchased, or to a local recycling center or specific material recovery center, indicating that it contains components.

Electrical and electronic components. The proper collection and treatment of unusable equipment helps preserve natural resources and also avoid potential risks to public health.

4. INSTALLATION

- It is not recommended that users perform the installation themselves. Please contact customer service to schedule an appointment for professional on-site installation. Users will be responsible for any accidents and losses caused by self-installation.

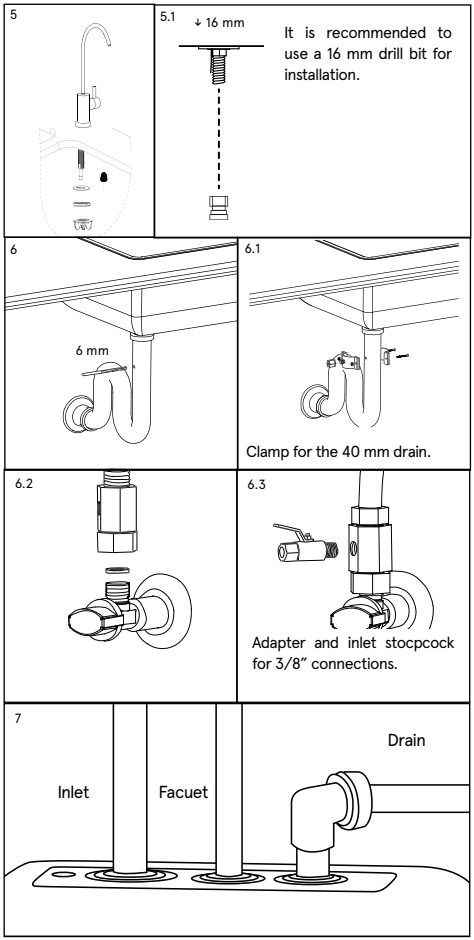
ATTENTION: Since the appliance to be installed improves the quality of the water to be consumed, all tools used for assembly and installation must be clean and must not be contaminated or impregnated with grease, oil, or oxides. Use tools exclusively for cutting pipes, handling the membrane, etc. Keep them clean.

ATTENTION: Work must be carried out with appropriate hygiene and conditions, taking extreme precautions in all matters related to materials and components that will be in contact with the water to be treated or consumed.

(For more information, please contact your distributor.)

ATTENTION: Avoid the risk of external contamination of the equipment due to improper handling by using gloves, hand sanitizing gel, or washing your hands as often as necessary throughout the installation, start-up, and maintenance of the equipment.

The most common location for installing the appliance is under the kitchen counter or in an adjacent cabinet. Install the faucet, drain collar, and inlet adapter, and connect them to the appliance's respective connectors (5, 6, and 7).



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

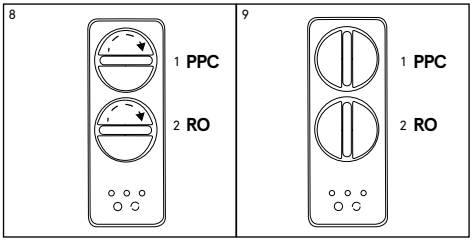
4.1. MIXING KIT

· If you wish to increase the pH, and/or conductivity and/or chlorine concentration at the outlet, you must carry out the installation according to the following diagram and using the corresponding components included in the mixing kit (consult your distributor).
· After start-up, with the dispensing tap open and the corresponding meter for the parameter of interest, measure the dispensed water and slowly and progressively open the mixing valve until the desired parameter is achieved.
· The water dispensed must comply with the drinking water requirements established by European Directive 98/83 or the corresponding national legislation that transposes it.
See hydraulic diagram on page 13.

See hydraulic diagram on page 13.

4.2. INSTALLING THE FILTERS

· Install the PPC filter (1) in the first stage of the equipment (upper position) and the RO membrane (2) in the second stage of the equipment (lower position).
· To install the filters, place each filter in its respective housing with the handle in a horizontal position, as shown in Figure 8.
· Insert firmly all the way in and turn the handle 90 degrees clockwise. After installation, the two filters should be as shown in Figure 9.



5. START-UP

5.1. FILLING AND PURGING THE EQUIPMENT

· Once the filters are installed, open the dispenser tap. Next, open the water inlet valve to the unit and finally, plug it into the wall outlet. Open the dispenser tap and let water flow through the tap for at least 10 minutes to eliminate air bubbles, remove any membrane protection components, and clean the filter of any debris. It is advisable to repeat the startup steps, as the pump could contain an air bubble, causing it to cavitate, preventing water flow to the rest of the components.

5.2. EQUIPMENT SANITIZATION

· Perform sanitization of the equipment, according to the model and procedure indicated by the manufacturer (see the Sanitation procedure). If you have any questions, please consult your dealer.

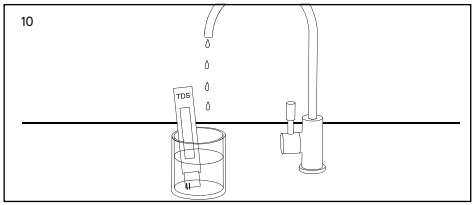
5.3. SYSTEM TIGHTNESS, STOP AND START

· Close the dispensing tap of the equipment on the countertop and keep the equipment powered hydraulically or electrically by performing a visual inspection of the system to ensure there are no leaks (for approximately 5 minutes).

Open the dispensing tap. The unit should activate and dispense water. Close the tap again and check that the unit stops.

5.4. RINSING AND CLEANING

· Open the dispensing tap and measure the quality of the water being produced. Using a conductivity or TDS meter, verify that the salt reduction obtained is adequate for the water being treated (10).



ATTENTION: If you detect that the dispensed water does not comply with current national legislation, retake the measurement. If the deviation persists, close the equipment's inlet valve, drain it through the tap, disconnect it from the electrical outlet, and contact your technical service center.

6. MAINTENANCE

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

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

CF FILTER RECOMMENDED MAINTENANCE

PPC FILTER: 12 months
RO membrane: 36 months (for soft water to be treated (hardness <15 ºHF).

Maintenance must be performed by trained personnel, who must handle the equipment properly and use original spare parts to maintain the equipment's features, warranty, certifications, and performance, thus preserving the quality of the water dispensed.

ATTENTION: The use of non-original spare parts, installation outside the operating and start-up limits, improper maintenance or use, may lead to the loss of the warranty, as well as the invalidation of any certifications the equipment has undergone.

Excessive amounts of any compound (total chlorine, turbidity, hardness, etc.) can reduce the life of filters and certain components. These maintenance steps are guidelines only.

Your distributor will determine the lifespan of consumables based on the characteristics of the water to be treated and the expected consumption in each case.

ATTENTION: All consumables are supplied in specially designed individual packaging to ensure hygienic storage and transportation conditions. Take extreme hygiene precautions after removing consumables from their packaging and when handling the various connectors and components.

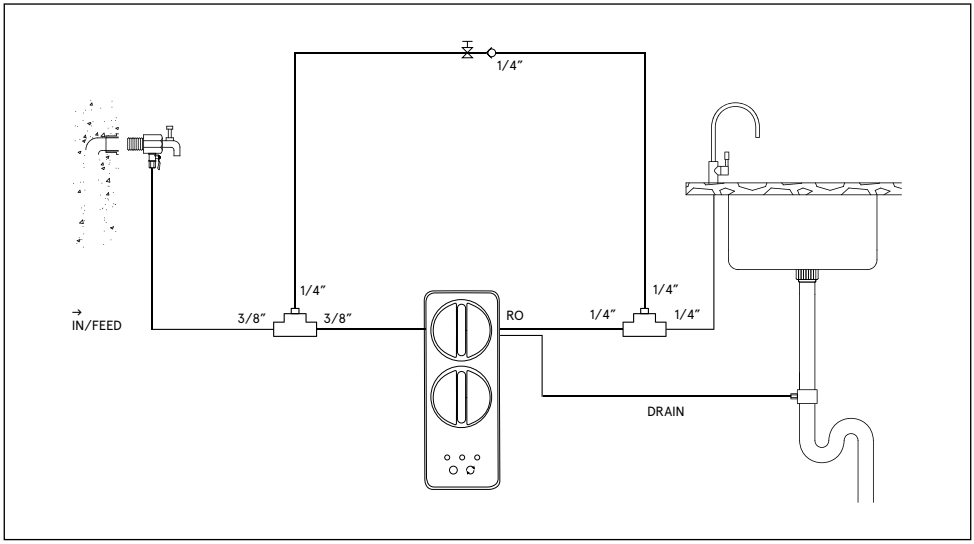
ATTENTION: Before disassembling the equipment, plan all the materials you will need to perform maintenance operations and the space required. Work in a well-lit area, with adequate hygienic conditions and sufficient space to perform operations comfortably.

· Properly replace the filter and/or membrane. Ensure the seals of the joints and the original hydraulic configuration of the system are in accordance with the manufacturer's recommendations.

· Sanitize the equipment following the instructions described in the Sanitization Procedure.

· For more information, see the technical sheet of the equipment. If you have any further questions, please consult your dealer.

Hydraulic diagram.



SANITIZATION PROCEDURE

1. SANITIZATION

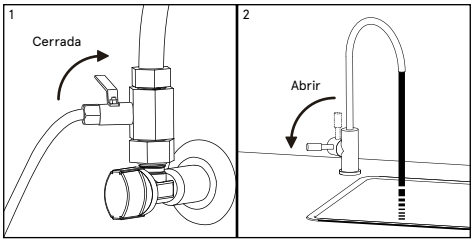
Necessary material:

· Manual valve.
· Measuring housing and connectors.
· Hydrogen peroxide 3% (0.5 l).
· Brush.
· Single-use latex gloves.
· Easy-rinse soap or detergent.
· Food base lubricant.
· Hydrogen peroxide detector strips.
· Sanitizing spray.
· Kitchen paper towel.

Sanitation:
- At start-up.
- At least every 12 months depending on usage.
- Every time water-intensive components of the equipment are accessed or water has not been consumed for more than a month.

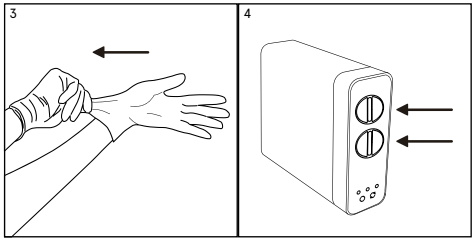
ATTENTION: The water used during sanitation must be drinking water (from the public distribution network complying with the corresponding potability requirements of RD 140/2003, European Directive 98/83 or current local legislation).

· Open the dispensing tap and allow water to recirculate to renew the water inside the equipment.
· Close the inlet valve (1) and keep the dispensing tap open to reduce the pressure in the equipment.



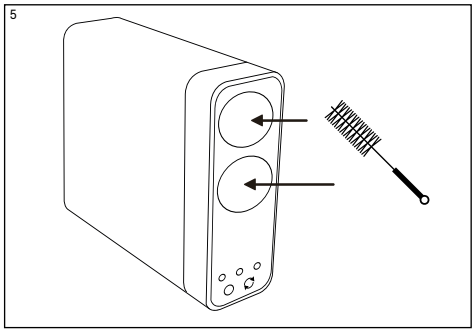
· Change the filters and/or membrane as indicated in the corresponding section of the Technical Manual.
· Sanitation must be carried out with the cartridges installed in their housings.
· Use single-use (3) vinyl gloves to handle sanitizing products.

ATTENTION: Take extreme hygiene measures when handling filters, the membrane, and equipment components that come into contact with water. Wear disposable gloves or wash your hands as often as necessary to avoid the risk of equipment contamination.



· If replacing any of the cartridges for disposal, clean and dry the inside of the housing.

· Disinfect the cartridge connections with a brush (which must be kept clean and disinfected) and a suitable disinfectant.



2. PREFILTER AND MEMBRANE TREATMENT

· Disconnect the inlet pipe to the equipment marked "INLET", and insert the measuring cup between the stopcock and the water inlet of the equipment (6). For greater comfort and ease of access during sanitation and opening and closing operations of the inlet valve, you can insert, together with the sanitizing measuring cup, a manual valve in the closed position, which will perform the same functions as the manual inlet shut-off valve to the equipment.

· Once the assembly is installed, keep the new manual inlet valve closed and open the inlet valve connected to the wall adapter (7). The measuring cup must be empty.

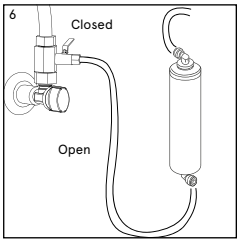
· Pour 0.25 liters of hydrogen peroxide into the measuring cup inserted in the equipment inlet (8). Screw the cup correctly onto the head.

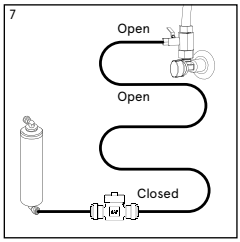
· The manual inlet valve and tap must be closed. Connect the equipment to the power supply.

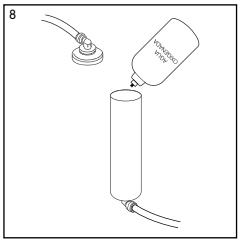
· Open the water inlet valve and the dispenser tap, connect the appliance to the power outlet, allow it to start operating, letting it draw hydrogen peroxide into the appliance. Fill a 1L jug with water from the dispenser tap. Before closing the dispenser tap, close the inlet valve again to reduce the pressure. Refill the dispenser with 0.25L of hydrogen peroxide and repeat the previous steps, finishing by closing the dispenser tap. The entire circuit now contains sanitizing liquid.

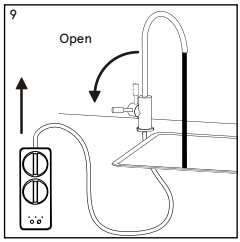
· After 10 minutes, open the dispenser tap (9) and let the mains water circulate for 5 minutes.

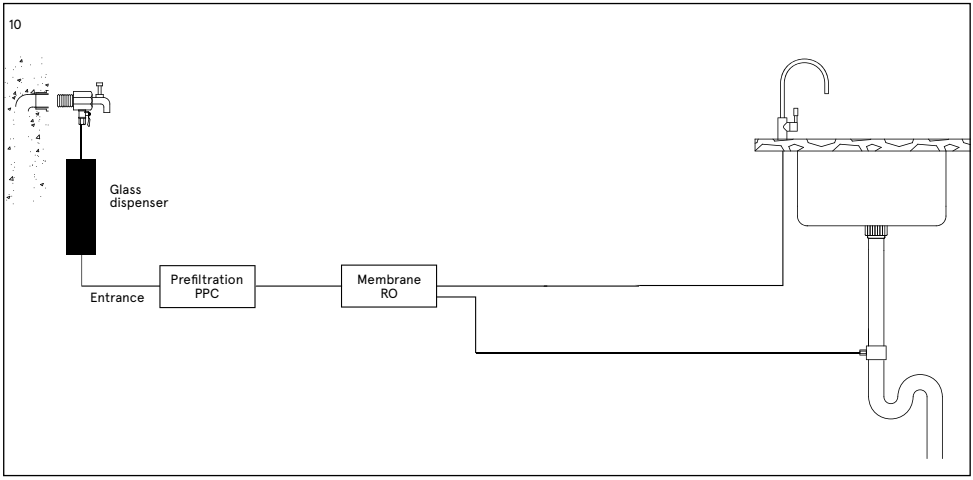
· Empty the measuring cup. Before opening it, have a container ready to empty it into, as it may be full of water.











· Pay special attention to sanitizing the dispenser faucet. Use sanitizing spray (or, failing that, hydrogen peroxide, dosing it so that it penetrates the faucet spout) and a single-use paper towel. Spray the spray onto the faucet spout, wipe the spout and faucet nozzle with the paper towel, and do not touch it directly with your hands.

3. RINSE

· Once the sanitation has been carried out, you must:

· If the machine has just been installed, the system will be rinsed by letting the water run through the tap for 5 minutes.

· If the filter or membrane has been changed, the changed cartridge must be reset and water must be allowed to run through the tap for at least 5 minutes.

· Rinse with plenty of water that complies with applicable local regulations regarding water potability parameters.

· When finished, take a paper towel and dry all parts that may have gotten wet, especially the Aquastop leak detection probe.

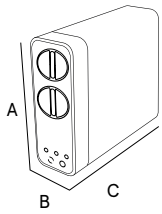
TECHNICAL SHEET

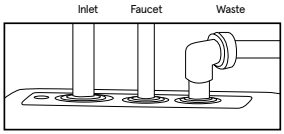
1. TECHNICAL CHARACTERISTICS

OPERATING LIMITS

	EQUIPMENT WITH PUMP*
Pressure (max./min.):	4 bar - 1 bar (400kPa-100kPa).
TDS (max.):	1500ppm**.
Temperature (max./min.):	38 ºC - 5 ºC.
Hardness (max.):	15 ºHF. ***.

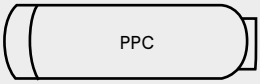
Control type:	1.Inlet control solenoid valve. 2. Recirculation solenoid valve.
Security system:	1.Maintenance notice. 2.Security lock.
Dimensions (A x B x C in mm):	330 x 125 x 354.
Weight (in kg, including all accessories):	7Kg. (empty and without accessories)
Input connection:	3/8".
Drain connection:	1/4".
Tap connection:	1/4".
Wall adapter:	3/8" M-F. ****
Drain collar:	Pipe clamp 40 mm drain



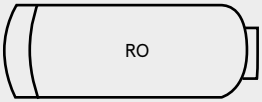


* Flow rates may vary by 20% depending on the temperature, pressure and specific composition of the water to be treated.
* * For salinities above 1500ppm consult your distributor.
* * * Higher hardness may reduce the life and performance of certain components.
** * * May vary depending on the model.

PPC prefilter	1 x combined sediment/carbon



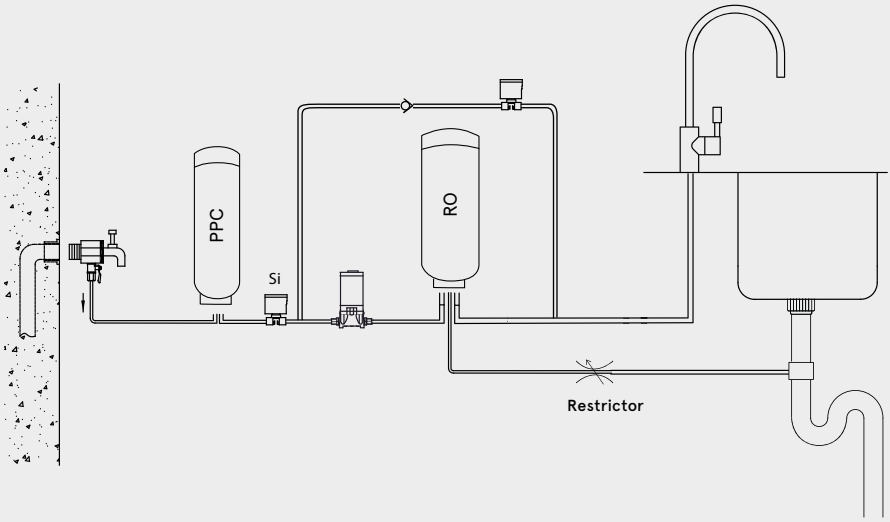
RO membrane	1 x Membrane 600



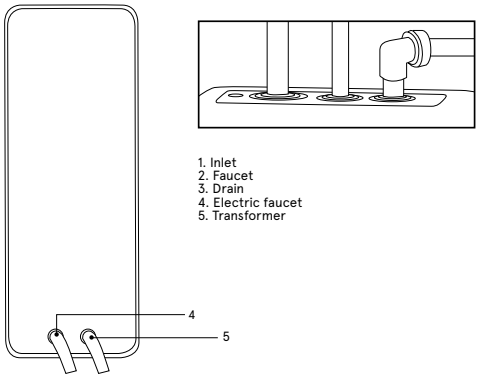
Power supply:	24 VDC
Power adapter:	100-240 Vac 50 / 60 Hz: 24 Vdc 96W
Faucet type:	* 1-way electric tap
Production:	1,8 lpm (inlet water conditions: 450 µS, 15 ºHF, 17 ºC y 3 bar)

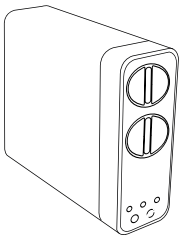
*This unit can only be installed with the supplied faucet.
Otherwise, the unit will not work.

HYDRAULIC DIAGRAM



HYDRAULIC CONNECTION DIAGRAM





DISTRIBUTED BY:
KINETICO WATER SYSTEMS
Aiguafreda, 8
4 Pol. Ind. L'Ametlla Park
5 08480, L'Ametlla del Vallès
Barcelona, España
T. 902 305 310 F. +34 936 934 329

2. EQUIPMENT OPERATION

· The water to be treated enters the system through a pre-filtration stage, which incorporates a turbidity filter and a PPC carbon filter. During 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).

· After being treated in the filtration stage, water is pumped toward the reverse osmosis (RO) membrane. The equipment incorporates a pump (P) to increase pressure. The water pressure on the membrane makes the reverse osmosis process possible.

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

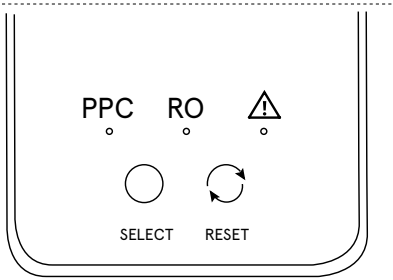
· The equipment incorporates different functional and/or security systems, managed by a state-of-the-art electronic module:

· Automatic filter change notification, to inform the user that proper maintenance is required to ensure the quality of the water dispensed.

· Water recirculation solenoid valve on standby to maintain the quality of the dispensed water.

3. INTERFACE. STATE OF THE SYSTEM

3.1 DISPLAY:



- PPC → Filter life indicator.
- RO → Membrane life indicator.
→ ⚠ Fault/alarm indicator.
- SELECT → Filter selection button.
- RESET → Reset button.

3.2. TROUBLESHOOTING AND IDENTIFICATION

STATE	SECURITY LOCK	EXCESSIVE CONTINOUS OPERATING TIME
PPC ● RO ● ⚠ ●	PPC ● LED PPC: RED RO ● LED RO: BLUE ⚠ ● RED ALERT: BLUE	PPC ● LED PPC: BLUE RO ● LED RO: BLUE ⚠ ● RED ALERT: Flashing RED
COMMENTS	**After 3 months from the end of the filter life without maintenance, the filter will be blocked to guarantee the quality and characteristics of the water dispensed. Call the technical service to carry out the maintenance.**	**When the equipment dispenses water for more than 30' continuously, it will stop for safety and component protection. Disconnect and reconnnect the power supply.**

When you detect that the equipment is in any of the states described, contact the maintenance service to make an appointment to carry out the required repair or maintenance.
See the corresponding section in the technical manual.

3.3. FILTER LIFETIME DISPLAY

PERIOD LIFE	LIFE TIME REMAINING (DAY)	TIMER DISPLAY	ACOUSTIC
Service	> 30	Permanent blue	No alarm
Notice	0 < x ≤ 30	Flashing red	No alarm
Exhausted	≤ 0	Permanent red	Beeps 1s every 1s / 10 times.
Security lock	-90 días	PPC Solid red RO Solid blue Warning solid blue	Beeps 1s every 1s / 30 min.

To ensure the quality and characteristics of the water dispensed by the equipment, it is important to perform proper maintenance periodically and/or when indicated by the equipment's electrical controller. If this maintenance is not performed within three months of the maintenance notice, the equipment will stop operating for safety reasons, stop dispensing water, and notify the user of the reason for the stoppage.

4. WARRANTY

The distributor guarantees the equipment for a period of three years against any non-conformity detected in the same, as provided for in Royal Decree- Law 7/2021, of April 27, transposing European Union directives on competition, prevention of money laundering, credit institutions, telecommunications, tax measures, prevention and repair of environmental damage, posting of workers in the provision of transnational services, and consumer protection.
The warranty covers the repair and replacement of defective parts by personnel authorized by the distributor or the official technical assistance service (SAT) at the installation site or in its workshops. The warranty also covers labor and any shipping costs that may arise.
The distributor is exempt from providing a warranty in cases of parts subject to natural wear and tear, lack of maintenance, impacts, or other non- conformities resulting from improper use of the equipment or use that is inadequate according to the operating conditions and limits indicated by the manufacturer. Likewise, the warranty is void in cases of improper handling and use of the equipment or in cases where it has been modified or repaired by personnel other than the distributor or official customer service center.
· Parts replaced under warranty will remain the property of the distributor.
The distributor is responsible for any lack of conformity of the equipment when it relates to the origin, identity, or suitability of the products, in accordance with their nature and purpose. Considering the characteristics of the equipment, compliance with the technical installation and operating conditions is essential for the warranty to cover the lack of conformity. Failure to comply with these conditions may result in the voiding of the warranty, taking into account the relevance of the equipment's purpose and the operating conditions and limits under 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 current regulations.
The distributor must ensure the correct installation and commissioning of the equipment as specified by the manufacturer and current regulations. The distributor will also be liable for any lack of conformity resulting from improper application, installation, or commissioning of the equipment.
· For any warranty claim, the purchase invoice must be presented. The three-year period begins when the equipment is purchased from the distributor.
· If your equipment experiences any problems during the warranty period, contact your dealer.

The equipment is installed and operational in a manner satisfactory to the customer and for the record:

* Pre-equipment treatment:

* Equipment entry hardness (ºF):

* TDS entering the equipment (ppm):

* TDS produced water (ppm):

* Equipment inlet pressure (bar):

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

Correct:

Others:

The equipment owner has been adequately and clearly informed of the use, handling, and maintenance required to ensure proper operation and the quality of the water produced. A maintenance contract is offered to this end.

***Maintenance contract ref.:**

ACCEPT the maintenance contract

DOES NOT ACCEPT the maintenance contract

If you need information, report a breakdown or malfunction, request maintenance, or have a technician assist you, please read the operation, troubleshooting, and troubleshooting sections of this manual first and contact the dealer or company that sold you your equipment.

COMPANY AND/OR AUTHORIZED INSTALLER, DATE AND SIGNATURE: **SERIAL NUMBER:**

NOTE FOR THE COMPANY AND/OR AUTHORISED TECHNICIAN/INSTALLER: The data marked with the * symbol must be completed by the installing technician and transcribed by the technician himself from the INSTALLATION RECORD sheet.

5. INSTALLATION RECORD SHEET

NOTES FOR THE TECHNICIAN/INSTALLER: Read this manual carefully. If you have any questions, please contact your dealer's Technical Assistance Service (TAS). The information marked with the * symbol must be completed by the technician/installer and transcribed onto the WARRANTY sheet. This sheet must be kept by the installer and may be requested by the dealer to improve after-sales service and support to the customer. The technician who installs and commissions the equipment must have the appropriate technical training.

DATA ON THE APPLICATION OF THE EQUIPMENT:

Origin of the water to be treated:

- PUBLIC SUPPLY NETWORK
- OTHERS

* Pre-equipment treatment:

* Equipment entry hardness (ºF):

* TDS entering the equipment (ppm):

* TDS produced water (ppm):

* Equipment inlet pressure (bar):

* Chlorine concentration in equipment input (ppm):

CONTROL OF THE INSTALLATION STEPS:

- Sanitation according to the described protocol
- Calibration of maximum pressure switch
- Inspection and fittings
- Pressurized system tightness
- TDS produced water (ppm)
- Clearly inform about he use, handling and maintenance that the equipment requires to guarantee its correct un correcto funcionamiento del mismo y la calidad operation and the quality of the water produced.

COMMENTS

* Result of installation and commissioning:

- CORRECT (equipment installed and operating correctly).
- OTHERS:

IDENTIFICATION OF THE AUTHORIZED TECHNICIAN:

COMPANY AND/OR AUTHORIZED INSTALLER, DATE AND SIGNATURE:

EQUIPMENT OWNER COMPLIANCE:

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 how to contact customer service in case i need information, report a breakdown or malfunction, request maintenance, or request technical assisstance.

Comments:

***Maintenance contract ref:**

ACCEPT the maintenance contract

DOES NOT ACCEPT the maintenance contrac

Model/Ref.:

Owner:

Street:

Phone:

Population:

Province: CP.:

SERIAL NUMBER:

EQUIPMENT WARRANTY ADDRESSED TO THE DISTRIBUTOR:

The distributor will be solely responsible for replacing parts in the event non-conformity. The repair of the equiipment and the associated costs (labor, shipping, travel, etc.) will be borne by the distributor, in accordance with the terms and conditions of the contract and sale. Therefore, the costs cannot be subsequently passed on to the manufacturer.

6. MAINTENANCE SERVICE

DATE	TYPE OF SERVICE	NAME, SIGANTURE AND SEAL OF THE AUTHORIZED TECHNICIAN	
	◯ START-UP		
	◯ COMPLETE MAINTENANCE ◯ PREPARATION ◯ SANITIZATION ◯ OTHERS	TECHNICAL SEAL	ORDINARY EXTRAORDINARY WARRANTY
	◯ COMPLETE MAINTENANCE ◯ PREPARATION ◯ SANITIZATION ◯ OTHERS	TECHNICAL SEAL	ORDINARY EXTRAORDINARY WARRANTY
	◯ COMPLETE MAINTENANCE ◯ PREPARATION ◯ SANITIZATION ◯ OTHERS	TECHNICAL SEAL	ORDINARY EXTRAORDINARY WARRANTY
	◯ COMPLETE MAINTENANCE ◯ PREPARATION ◯ SANITIZATION ◯ OTHERS	TECHNICAL SEAL	ORDINARY EXTRAORDINARY WARRANTY
	◯ COMPLETE MAINTENANCE ◯ PREPARATION ◯ SANITIZATION ◯ OTHERS	TECHNICAL SEAL	ORDINARY EXTRAORDINARY WARRANTY

6. MAINTENANCE SERVICE

DATE	TYPE OF SERVICE	NAME, SIGANTURE AND SEAL OF THE AUTHORIZED TECHNICIAN	
	◯ START-UP		
	◯ COMPLETE MAINTENANCE ◯ PREPARATION ◯ SANITIZATION ◯ OTHERS	TECHNICAL SEAL	ORDINARY EXTRAORDINARY WARRANTY
	◯ COMPLETE MAINTENANCE ◯ PREPARATION ◯ SANITIZATION ◯ OTHERS	TECHNICAL SEAL	ORDINARY EXTRAORDINARY WARRANTY
	◯ COMPLETE MAINTENANCE ◯ PREPARATION ◯ SANITIZATION ◯ OTHERS	TECHNICAL SEAL	ORDINARY EXTRAORDINARY WARRANTY
	◯ COMPLETE MAINTENANCE ◯ PREPARATION ◯ SANITIZATION ◯ OTHERS	TECHNICAL SEAL	ORDINARY EXTRAORDINARY WARRANTY
	◯ COMPLETE MAINTENANCE ◯ PREPARATION ◯ SANITIZATION ◯ OTHERS	TECHNICAL SEAL	ORDINARY EXTRAORDINARY WARRANTY

6. MAINTENANCE SERVICE

DATE	TYPE OF SERVICE	NAME, SIGANTURE AND SEAL OF THE AUTHORIZED TECHNICIAN	
	◯ START-UP		
	◯ COMPLETE MAINTENANCE ◯ PREPARATION ◯ SANITIZATION ◯ OTHERS	TECHNICAL SEAL	ORDINARY EXTRAORDINARY WARRANTY
	◯ COMPLETE MAINTENANCE ◯ PREPARATION ◯ SANITIZATION ◯ OTHERS	TECHNICAL SEAL	ORDINARY EXTRAORDINARY WARRANTY
	◯ COMPLETE MAINTENANCE ◯ PREPARATION ◯ SANITIZATION ◯ OTHERS	TECHNICAL SEAL	ORDINARY EXTRAORDINARY WARRANTY
	◯ COMPLETE MAINTENANCE ◯ PREPARATION ◯ SANITIZATION ◯ OTHERS	TECHNICAL SEAL	ORDINARY EXTRAORDINARY WARRANTY
	◯ COMPLETE MAINTENANCE ◯ PREPARATION ◯ SANITIZATION ◯ OTHERS	TECHNICAL SEAL	ORDINARY EXTRAORDINARY WARRANTY

6. MAINTENANCE SERVICE

DATE	TYPE OF SERVICE	NAME, SIGANTURE AND SEAL OF THE AUTHORIZED TECHNICIAN	
	◯ START-UP		
	◯ COMPLETE MAINTENANCE ◯ PREPARATION ◯ SANITIZATION ◯ OTHERS	TECHNICAL SEAL	ORDINARY EXTRAORDINARY WARRANTY
	◯ COMPLETE MAINTENANCE ◯ PREPARATION ◯ SANITIZATION ◯ OTHERS	TECHNICAL SEAL	ORDINARY EXTRAORDINARY WARRANTY
	◯ COMPLETE MAINTENANCE ◯ PREPARATION ◯ SANITIZATION ◯ OTHERS	TECHNICAL SEAL	ORDINARY EXTRAORDINARY WARRANTY
	◯ COMPLETE MAINTENANCE ◯ PREPARATION ◯ SANITIZATION ◯ OTHERS	TECHNICAL SEAL	ORDINARY EXTRAORDINARY WARRANTY
	◯ COMPLETE MAINTENANCE ◯ PREPARATION ◯ SANITIZATION ◯ OTHERS	TECHNICAL SEAL	ORDINARY EXTRAORDINARY WARRANTY

NOTES

NOTES