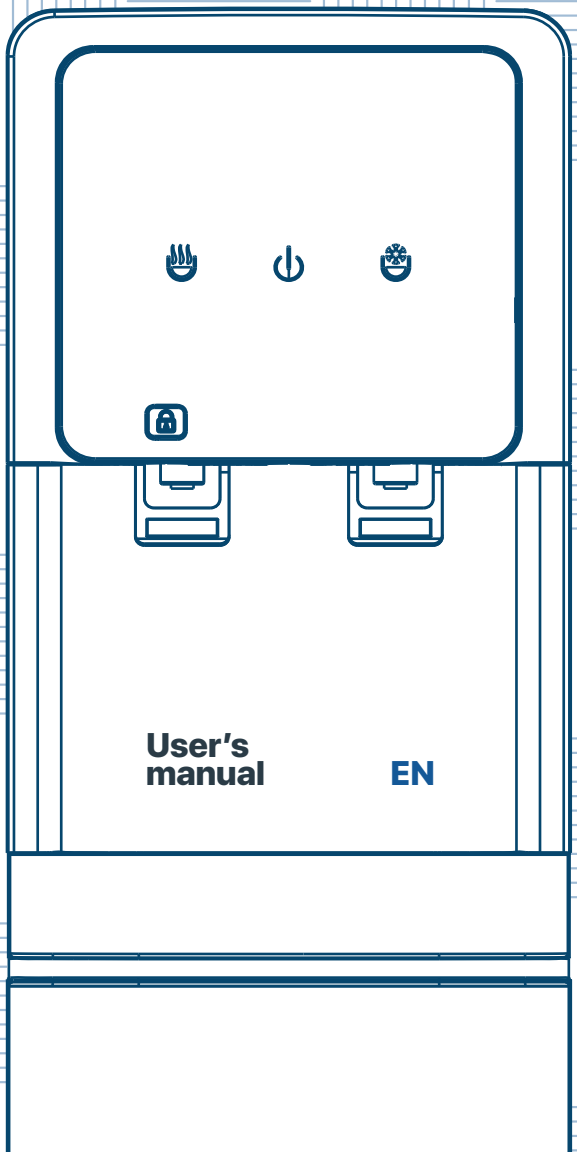
WATER DISPENSER



User's manual

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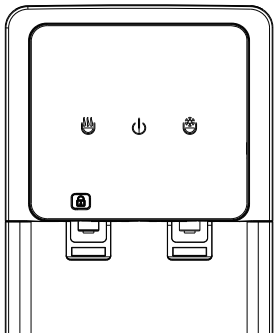


SYSTEM WATER DISPENSER

1. WELCOME AND INTRODUCTION

Welcome. Thank you for trusting our product. In complying with the advanced reverse osmosis technology, this model refers to a long-life compact design.

Chemicals are not required to produce quality water. The osmosis equipment is capable of eliminating well over 95% of the total dissolved solids, + 99% of all organic remains, + 99% of all bacteria and up to 99% Chlorine, improving water taste and quality. This equipment also eliminates harmful materials such as lead, copper, barium, chromium, mercury, sodium, radium, fluoride, nitrite or selenium, which may be present in your water, thus providing healthy and pure water.

IMPORTANT: WE ADVISE YOU TO KEEP THIS MANUAL.

2. WHAT IS THE REVERSE OSMOSIS?

Reverse Osmosis was originally designed to convert seawater drinkable for the navy. It is ideal for anyone with a low sodium diet. A reverse osmosis membrane has a much smaller pore size than a bacterium or parasite. When working properly, it will eliminate all microorganisms from tap water producing sterile water.

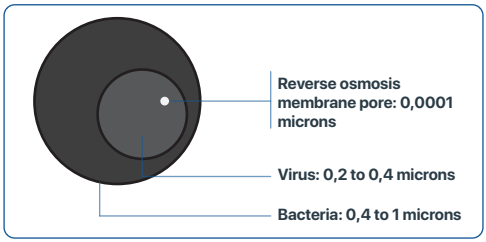


Figure 1

Reverse osmosis is the reversal of the natural flow of osmosis. In the water purification system, the goal is to dilute the salt solution but separate the pure water from the salt and other contaminants.

When the natural flow is reversed, water from the salt solution is forced to pass through the membrane in the opposite direction by applying pressure (the term reverse osmosis). Through this process we are able to produce pure water by eliminating salts and other contaminants.t

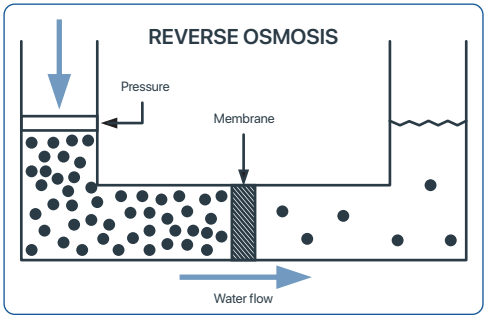


Figure 2

3. WATER QUALITY

In your drinking water you will notice an improvement in flavor, just as it will be better for your coffee maker, for making ice cubes or for making juices. By cooking with purified water you will be able to taste the flavor of food better. It will be healthier water for your children and also good for your plants.

This water treatment is recommended for those people who suffer from hypertension, since it is a low mineralized water. It is ideal for steam irons. Osmosis water will help prolong the life of your appliances.

4. WATER POLLUTION

Environmental water is increasingly contaminated by waste from domestic, agricultural, and industrial sources.

Those of domestic origin (human waste, washing or cleaning products), which have experienced a notable increase due to the increase in population centers close to traditional channels, will in many cased end up in natural aquifers.

Agricultural wastes, such as slurry and droppings, chemical fertilizers, nitrates, herbicides and pesticides, as well as industrial waste are now appearing more and more in natural aquifers.

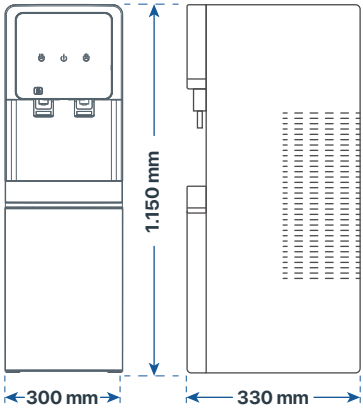
Supply companies filter water and add chemicals (such as chlorine) to differentiate t it and thus avoid infectious diseases such as typhus, diphtheria, etc...

Therefore, the water we receive in our homes could carry traces of chemicals and chlorination residues, such as trihalomethanes, which are very harmful to health, in addition to sodium, calcium, and other minerals in excessive amounts.

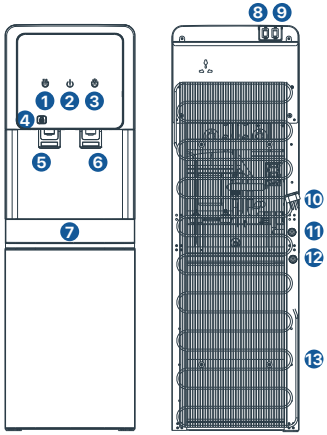
5. WARNINGS

- Keep this machine in a cool, dry place and avoid direct sunlight.
- The rear of the machine must be at least 20 cm from the wall.
- Never place the machine on paper or foam, which may cause an unstable condition, such as storing water or causing cracks. Never place anything flammable next to this machine.
- To avoid damage to the machine, do not plug in the power cord until 3 minutes after putting in the full bottle of water.
- This water dispenser must be operated with a grounding-type third prong grounding type plug and a leakage protection switch. If a two-prong flat-blade plug is used, the grounding wire must be properly grounded before use.
- If you are not going to use the machine for a long period of time, turn off the power switch, disconnect the power plug from the mains and disconnect it from the mains.
- Never use organic liquid to clean the machine. Strictly prohibit splashing water on the body.
- You must use the ON/OFF switch on the power outlet to turn the machine on or off. It is prohibited to turn the machine on or off by plugging or unplugging the power cord. Never extend the length of the power cord to prevent fire.
- The power cable of other parts must be replaced by a professional when damaged.
- We reserve the right to interpret these operating instructions.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.
- Do not store explosive substances, such as aerosol cans with a flammable propellant, in this appliance.
- This appliance is intended for use in domestic and similar applications such as: staff kitchens, in shops, offices.
- If the power cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard.

- **6. TECHNICAL DATA OF THE SYSTEM:**
- · Model: Blue Mountain High.
- · Voltage / Frequency: 220/240V 50/60Hz.
- · Inlet power: 520W.
- · Heating power: 420W.
- · Cooling power: 100W.
- · Cold water capacity: 4,6 L.
- · Hot water capacity: 1 L.
- · Cold water: ≤10 °C | 2 L/H.
- · Hot water: ≥90 °C | 5 L/H.
- · Water quality: Mains water.
- · Ambient temperature: 10°C - 38°C.
- · Relative humidity: 90%.
- · Refrigerant: R600a.
- · Dimensions: 300 x 330 x 1.150 mm.

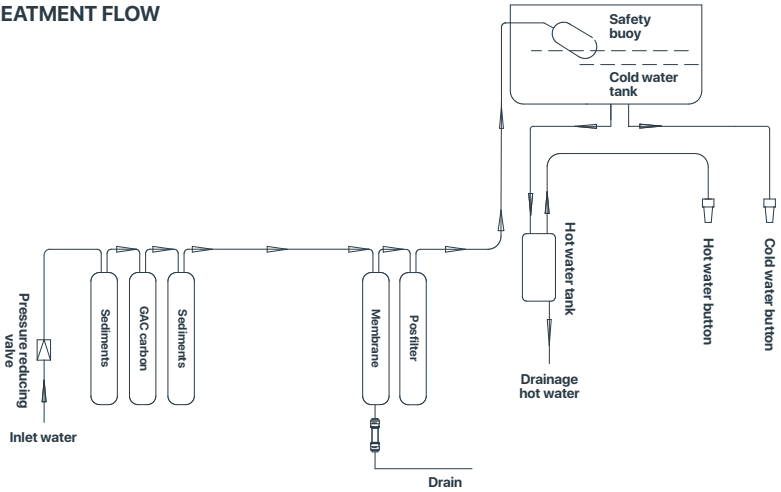


7. PARTS OF THE SYSTEM



1. Hot water indicator light.
2. Power indicator light.
3. Cold water indicator light.
4. Lock button.
5. Hot water button.
6. Cold water button.
7. Water tray.
8. Cooling switch.
9. Heating switch.
10. Power cable.
11. Water inlet.
12. Reject water.
13. Condenser.

8. WATER TREATMENT FLOW



9. INSTALLATION WARNINGS

The water source must be disconnected electrically during the entire installation.

DO NOT turn on the hot water switch until the second filling is done to avoid breakage in them resistor.

DO NOT turn on the cold water switch if not needed. Every time you need to turn off the equipment, please wait at least 3 minutes to reconnect it. That way you can protect the compressor from any possible damage.

Water temperature setting:
The temperature is set at 5 ° C. You can change the cooling temperature from the cold water regulator. If you turn the screw clockwise, the water will get cooler.

10. SYSTEM INSTALLATION

1. First, you must disconnect the water supply; find the machine in the packaging bag and connect it to the accessible water supply.
2. Secondly, find the water inlet ball valve from the packing bag and install it on the side of the machine, making sure it is securely fixed and turn it off. Next, connect the PE pipe to the raw water inlet pipe of the R.O. water dispenser.
3. Find a PE pipe of a certain length. Connect one side of the PE pipe to the wastewater outlet of the water dispenser and the other side of the PE pipe is connected to the groundwater drain.
4. Please open the water dispenser door, disassembling the R.O. membrane water inlet pipe, water inlet pipe and rear activated carbon filter outlet pipe. Then, let the outlet pipe of the front activated carbon filter connect well to the inlet pipe of the rear activated carbon filter.
5. Let the outlet pipe of the downstream activated carbon filter be connected to a large water pressure tank to store the purified water.
6. In the meantime, remove the reverse osmosis membrane from the packing bag; allow one side to attach tightly to the reverse osmosis cartridge, making sure they are well sealed. Then rinse the inside of the cartridge, you can close the water inlet ball valve once the dirty water becomes clean.
7. Turn on the power plug, open the two water drain covers on the back of the machine until the machine fills with water, just to clean the water dispenser.

NOTES:

1. Please make sure the machine is under the power of 230 V AC, 50Hz.
2. If the power is disconnected for any reason, please wait five minutes before reconnecting.
3. Regular cleaning and sanitizing is advised to ensure continued quality of water drinking.
4. Before turning on, please check the power label on the rear of the unit to ensure the power supply is correct. Serious damage could be happed if the incorrect supply is used.
5. Never put cigarettes on the top of the water dispenser. Don't use it as a shelf for plants or putting other objects on it.
6. Don't locate water dispenser in area where the temperature may fall below freezing. The suitable surrounding temperature is 10 °C to 32°C. If ice-jam happened, let water dispenser stand for a few minutes to allow any ice in the reservoir to melt. Add hot water to speed up this process, and at the same time, keeping the power off for a long period if no one uses it, which saves energy and prolongs the lifetime of the compressor.

11. HOW TO MAKE FILTER REPLACEMENT

1. As shown in the picture, open the lower front panel of the machine.
2. Disconnect the blue locker. Press the ring into the joint and stretch the PE pipe.
3. Remove the old filter and replace it with a new one.
4. As shown in the picture, close the lower front cover of the machine.

12. SYSTEM MAINTENANCE

It is important that your equipment is serviced by an official equipment service, which will use original spare parts and offer you a maintenance contract and a service guarantee.

Any manipulation of the equipment or use of a non-original spare part by a company or person other than our distributors will invalidate the warranty of your equipment, as well as that of your official distributor.

Some components, such as pre-filters, membrane or post-filter are consumable and have a limited lifetime.

The duration will depend on the local water quality and specific aspects such as ingress of mud, extreme turbidity, high chlorinations, excess iron, etc.

13. ORIGINAL SPARE PARTS RECOMMENDED BY YOUR OFFICIAL DISTRIBUTOR:

1. FCS-21: 9" sediment stem cartridge (two units).
2. FCG-21: Cartridge of granulated carbon stem 9".
3. RO4019: 50 GPD encapsulated membrane.
4. FP1023: Carbon post-filter cartridge granulated 12".

Your official distributor will check the lifetime of these elements depending on the quality of your water.

The procedure for changing filters is similar to that for commissioning. The life of the consumables has been studied in the laboratory.

An excess in the parameters studied, such as the presence of total chlorine, turbidity or hardness, can shorten their life.

PROBLEM RESOLUTION

The following situations can be handled by ourselves. If it cannot be solved, please ask professional maintenance personnel for help to carry out thorough inspection and maintenance. It is normal for the machines to make a slight noise during operation.

PROBLEM	POSITION	SOLUTION
No water from the machine	Water intake ball valve not open	Open the water intake ball valve
	Membrane filter is blocked	Clean/Change Membrane Filter Cartridge
No hot water	Anti-dry installment disconnect	Ask some professional maintenance to repair
	Without set hot water temperature	Set hot water temperature
The machine off work	The problem of High water temperature control switch	Maintenance /Change the high water temperature control switch
Still have waste water discharge after the machine stop working	The problem of water solenoid valve	Maintenance/Change the Water solenoid valve
No pure water	Water intake ball valve not open	Open the water intake ball valve
	Check if the power is off	Power On
Less of pure water quantity	Membrane Filter is blocked	Clean/Change membrane filter cartridge
	If the temperature of raw water dropped too quickly, the water purifier capacity will also be inefficient.	
No cold water	The problem of Electronic control system	Ask some professional maintenance to repair
	Cooling control system is damaged	
	The problem of Temperature sensor	Change the temperature sensor
	Cold tank is blocked	Stop chilling for a while or put some hot water into cold tank, in order to make the ice melting
	Without set cold water temperature	Set cold water temperature
Abnormal water taste	Water tank & cold tank unclean	Clean the water tank and cold tank
	Keep too long time for water storage	Drained the pure water in the machine, clean the water tank and cold tank
	UV lamp is failed	Change the UV lamp
	Filter using is over the period	Change the filter

CUSTOMER INFORMATION:

Mr. / Mrs: _____
Address: _____
ZIP Code and location: _____
Phone number: _____
Email: _____

SELLER'S DETAILS:

Business name: _____
Address: _____
ZIP Code and location: _____
Phone: _____
FAX: _____
Email: _____

EQUIPMENT GUARANTEE DIRECTED TO THE END CUSTOMER:

All of our products have a two-year warranty as established by law upon purchase. If any repairs were to be made, it would have a 3 month warranty, regardless of the general warranty. In order to cover this guarantee, the product purchase date must be verified.

The company undertakes to guarantee the parts whose **manufacture is defective**, provided that they are sent to us for examination at **our facilities** at the customer's expense.

In order to claim the warranty, it is necessary that the defective part be accompanied by this warranty voucher, duly completed and stamped by the seller. The warranty will always be given in our warehouses.

In all cases our responsibility is **exclusively to replace or repair the defective materials** and not to pay compensation or other expenses.

No returns or reclamations of material will be admitted after 15 days of its reception. In case of agreement within this term, the material will have to be sent to us perfectly packed and **DIRECTED PAID CARRIAGE TO OUR WAREHOUSE**.

THE GUARANTEE DOES NOT EXTEND TO:

1. Replacement, repair of parts caused by wear, due to normal equipment use, such as resins, polyphosphates, sediment cartridges, etc. ... as indicated in the instruction manual of the equipment.
2. Damages caused by bad use of the device and those caused by transportation.
3. Handling, modifications or repairs made by third parties.
4. Malfunctions due to bad installation, outside the technical service, or if the assembly instructions have not been followed correctly.
5. Improper use of the equipment or that the working conditions are not those indicated by the manufacturer.
6. The use of non-original company parts.

"CE" DECLARATION OF CONFORMITY:

We declare under our sole responsibility that the water purification system for water filtration for human consumption is adapted per the following norms or normative documents:

"EN-12100-1, EN12100-2, EN-55014-1:2000/A1:2001, EN-61000-3-2:2000/2001, EN61000-3-3:1995/A1:2001, EN1558-2-6".

And it is in conformity with the essential requirements of the directives: **98/37/CE, 73/23/CEE, 89/336/-CEE**.

STAMP OF THE AUTHORISED SELLER

ORDER NO

PRODUCT CODE

SERIAL NUMBER

NOTICE: Read this manual carefully. If you have any questions, please contact the technical support service (T.S.S.) of your distributor. The data marked with (*) must be stamped by the installer and transcribed by him to the company.

ORDER NO

PRODUCT CODE

SERIAL NUMBER

INFORMATION PRIOR TO EQUIPMENT INSTALLATION:

Origin of the water to be treated:

- ☐ Public supply network.
- ☐ Other: _____

Previous treatment? _____
Hardness inlet water: _____ ºF
Inlet TDS: _____ ppm
Inlet pressure: _____ Bar
Chlorine concentration at the inlet: _____ ppm

CONTROL OF INSTALLATION STEPS:

- ☐ Washing of carbon prefilters.
- ☐ Carbon post filter wash.
- ☐ Membrane assembly.
- ☐ Sanitation according to the described protocol.
- ☐ Chlorine concentration in tap after rinsing: _____
- ☐ Flow restrictor check.
- ☐ Maximum pressure switch setting.
- ☐ Inspection and fittings.
- ☐ Pressurized system tightness.
- ☐ * TDS produced water (countertop tap): _____ ppm
- ☐ Clearly inform about the use, handling and maintenance required by the equipment to ensure proper operation of water. Given the importance of proper equipment maintenance to guarantee quality water, the owner must be issued a maintenance contract made by trained technicians.

EQUIPMENT GUARANTEE DIRECTED TO THE DISTRIBUTOR:

The selling company will be responsible solely and exclusively for the replacement of parts in the event of lack of conformity. Equipment repair and associated expenses (labor, shipping, travel, etc.) will not be borne by the selling company, since the manufacturer and / or distributor guarantees it is done at their facilities.

COMMENTS:
*Result of installation and service commissioning:

- ☐ Correct (equipment installed and operating correctly. Water produced is suitable for the application).
- ☐ Other: _____

AUTHORIZED INSTALLER:

CONFORMITY OF THE OWNER OF THE EQUIPMENT:

The client owner has been informed about the maintenance of the equipment and how to contact the technical assistance service.

Comments: _____

NOTICE	DATE	TECHNICAL DATA
☐ Installation ☐ Maintenance ☐ Warranty ☐ Inspection ☐ Repair		Name: ______ Signature or stamp:
☐ Installation ☐ Maintenance ☐ Warranty ☐ Inspection ☐ Repair		Name: ______ Signature or stamp:
☐ Installation ☐ Maintenance ☐ Warranty ☐ Inspection ☐ Repair		Name: ______ Signature or stamp:
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OBSERVATIONS: ______

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OBSERVATIONS: ______

WATER DISPENSERS