columbia aqua

FC-3300-C/F/N/GAS

TECHNICAL/USER MANUAL AND SERVICE BOOK

USER MANUAL

INDEX **Q**

This appliance is intended to be used in domestic and similar applications.

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

More technical information at:
www.wtreatmentresources.com/KGOH02928kJ.htm

FC-3300 TECHNICAL SHEET

0. MAIN FEATURES

DIRECT ACCESS
EASE OF ACCESS AND MAINTENANCE.

COLD
PRODUCTION OF COLD WATER

BAYONET FILTERS
EQUIPPED WITH BAYONET FILTERS WITH QUICK CONNECTION

HOT
PRODUCTION OF HOT WATER

CLICK
QUICK CONNECTIONS AND MAXIMUM SECURITY

ENVIRONMENT
WATER PRODUCTION AT AMBIENT TEMPERATURE

ANTIBACTERIA
SELF-STERILIZING NOZZLE WITH UV LED LAMP

ENERGY SAVE
ENERGY SAVING SYSTEM. A LUMINOSITY SENSOR LEAVES PART OF THE UNIT ON STAND BY DURING THE NIGHT TO REDUCE ELECTRICAL CONSUMPTION

SAFE
SECURITY SYSTEM FOR HOT WATER

SPARKLING
SPARKLING WATER PRODUCTION

NANOFACT
EQUIPMENT WITH NANOFACT FILTRATION SYSTEM

LED
INFORMATION SYSTEM MULTIFUNCTION THROUGH LED

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

SECURITY INSTRUCTIONS

Warnings and safety instructions are provided below to prevent user injury and property damage to your surroundings. However, it is important to take the necessary precautions and proceed with care during installation, maintenance, cleaning and handling of the appliance.

Children/adults/pets

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

• The appliance cannot be used by children under 8 years of age or by people with reduced physical, sensory or mental capabilities, nor by people without experience or knowledge unless they are supervised or receive instructions on how to use the appliance safely and have understood the potential risks of using it.

• Children should not play with this device.

• Do not allow children to clean or maintain the appliance without supervision.

Warning. Risk of suffocation!

Do not allow children to play with the packaging/plastic or parts of the packaging, as they could become tangled or covered. Cover your head with them and suffocate.

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

Installing. Warning

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

If the appliance is not installed correctly, it may result in dangerous circumstances.

Ensure that the following conditions are met:

• The mains voltage at the socket must correspond to the voltage rating specified on the appliance (nameplate).

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

• The installation must have an adequate cable thickness.

The mains plug must be accessible at all times. If this is not possible, to comply with the relevant safety regulations, a switch (two-pole switch) must be permanently integrated into the installation, according to the electrical installation regulations.

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

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

The use of extension cords or power adapters could cause a fire due to excessive heating or a short circuit. Connect the device directly to a properly installed outlet with grounding. Do not use extension cords, power strips or multiple connectors.

Warning. Risk of injury!

• The device is very heavy. Lifting it could cause injury. Always lift the appliance with help.

• If tubing and mains cables are not routed correctly, there is a risk of disconnection, which could cause injury.

Route tubes and cables so that there is no risk of disconnection.

Attention!. Risk of material damage/device damage

• If the water pressure is too high or low, the appliance may not work properly. In addition, material damage or damage to the device could occur.

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

• If the water tubes are modified or damaged, they may cause material damage or damage to the device may occur. Water tubes should not be bent, crushed, modified or cut.

• Using tubes distributed by other brands to connect the water supply could cause material damage or damage to the appliance. Use only the tubes supplied with the device or original replacement tubes.

Cleaning/maintenance

Warning. Death risk!

The device works with electricity. There is a risk of electric shock if live components are touched. Therefore, take into account:

• Turn off the device. Disconnect the appliance from the mains (unplug the plug).

• Never grab the mains plug with wet hands.

• When disconnecting the plug from the outlet, always grasp the plug itself and never the mains cable, as it could be damaged.

• Do not make technical modifications to the device or its components.

Any repair or other type of work that the appliance requires must be carried out by our technical service or by an electrician. The same applies to replacing the mains cable (if necessary).

• Replacement mains cables can be ordered by contacting our technical service.

1. UNPACKING

dispensers

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

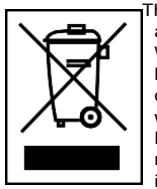
Attention: Claims for damage during transport must be submitted together with the delivery note or invoice to your distributor, attaching the name of the carrier within a maximum period of 24 hours after receiving the merchandise.

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

Attention: Dispose of plastic bags properly and keep out of reach of children, as they can be a danger to them.

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

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



This product cannot be thrown away along with the usual urban waste. When the useful life of the equipment has ended, it must be delivered to the company or centre where the device was purchased, or to a Recycling Point or specific local centre for the recovery of materials, indicating that it has electrical and electronic components and refrigerant gas. The correct collection and Treatment of unusable devices contributes to preserving natural resources and also avoiding potential risks to public health.

2. INTRODUCTION

Congratulations. You have acquired one of the best water treatment equipment on the market for commercial use in offices and homes.

This equipment will help you improve the characteristics of the water, putting the highest quality water within your reach.

Your equipment will provide you with different benefits and advantages:

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

3. TYPES OF TREATMENTS FOR COLUMBIA AQUA FC-3300 UNITS

Columbia dispensers are available, depending on the model, with different types of water treatment: microcarbon and NANOFACT filtration.

3.1 What is microcarbon?

Microcarbon filtration is the process of separating solids suspended in water through a porous medium, also called a filter. Water passes through the pores of the filter, but particles larger than the pores of the filter are retained in it, thus giving rise to clearer water. Columbia dispensers incorporate 5µm filters.

Microcarbon is used to remove chlorine from water, as well as improve the taste, smell and eliminate some organic components thanks to its great capacity as an adsorbent.

3.2 What is Nanofact filtration?

Fibrillated Adsorbent Cellulose Technology (FACT). The FACT® material is a paper-like composite consisting of fibrillated nano-fibres in combination with different powder adsorbent materials. The resulting structure shows a small pore size combined with a large pore area and extremely fast kinetics for adsorption and reaction. This allows microorganisms, viruses, bacteria and impurities to be retained up to a diameter of 0.2 microns.

4. WARNINGS

- These appliances are supplied with refrigerant gas, ISOBUTANE (R-600a), which is a natural gas without harmful effects on the environment but is flammable.
- The device must be transported and moved with the utmost care so that it is not hit or shaken excessively. Failure to comply with this rule could put the device out of service.
- Keep the ventilation openings of the appliance or built-in structure free of obstructions.
- Do not damage the cooling circuit. If the refrigeration circuit is damaged, with possible refrigerant gas leakage, it could create explosion risks caused by sparks or external flames.
- Under no circumstances operate your appliance if it appears to be damaged.
- In the event of a breakdown, contact your Technical Service, ventilate the room where the appliance is located and avoid flames or work on the appliance.
- For recycling, contact your local waste disposal service or seller. The appliance must be transported without damaging the cooling circuit.

- This appliance is intended for use in domestic and similar applications such as staff canteen areas in shops, offices and other work environments; rural and guest accommodations in hotels, hostals and other residential-type settings; bed and breakfast type environments; catering services and similar non-retail applications.

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

Attention: THESE UNITS ARE NOT WATER PURIFIERS. If the water to be treated comes from a public supply (and therefore complies with current legislation), these equipments will substantially improve the quality of the water. Otherwise, it will be necessary to carry out a physical-chemical and bacteriological analysis of the water, in order to ensure its correct purification by applying the techniques and equipment appropriate to each need, PRIOR TO THE INSTALLATION of the equipment. Please contact your dealer for advice on the most appropriate treatment for your case.

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

4.1 Conditions for the correct operation of the equipment

• The equipment should not be fed with hot water (T>40ºC).
• The ambient temperature must be between 4º and 45ºC.
• For water with salinities greater than 500 ppm, contact your distributor to recommend the most appropriate pre-treatment for your case, and thus ensure the correct operation of the equipment, avoid damage to components and guarantee the quality of the water supplied.

4.2 Warnings prior to installation

• In the case of having to condition the installation of the home or business to be able to install the equipment in the intended location, it must be done following national standards for interior installations of water and electrical supplies.
• COLUMBIA equipment requires an electrical outlet.

• COLUMBIA equipment should not be installed lying down or inclined. They must be placed on a flat surface for correct and safe operation.
• The place planned for its installation must have sufficient space for the device itself, its accessories, connections and for carrying out convenient maintenance.
• Maintain a minimum separation of 10 cm on the sides and back wall to ensure proper ventilation of the equipment.
• Under no circumstances will the equipment be installed outdoors.

Attention: The equipment should not be connected to the electrical current directly, it should be allowed to rest in the desired installation position. This is very important to ensure proper operation of the system, as otherwise the compressor could be damaged. The manufacturer will not be responsible for any damage caused to the equipment in this case.

4.3. Equipment use and warnings

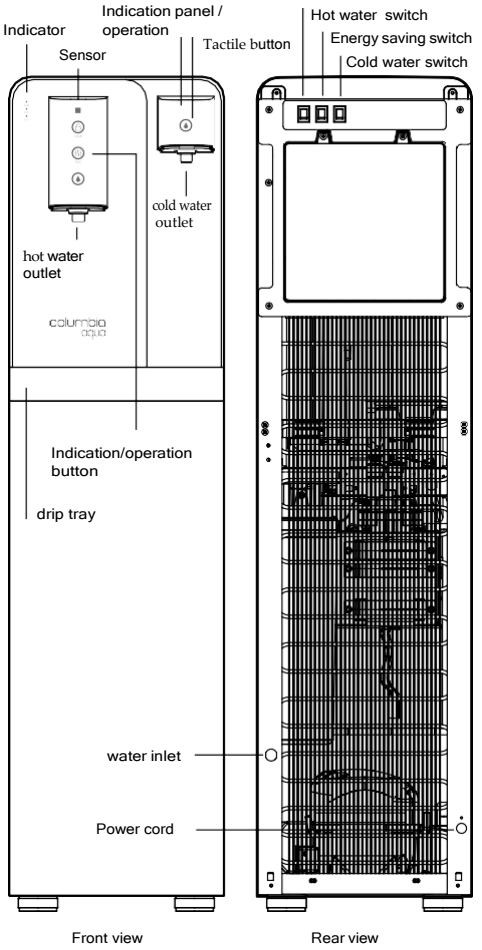
• When you are going to be away for more than a week, close the water inlet valve to the equipment, empty it and disconnect it from the power supply. When you return, connect the power supply, open the inlet valve and empty the accumulation tank twice before consuming water.

Attention: After a prolonged period (more than a month) in which the equipment has not worked or filtered water, contact your distributor in order to carry out proper sanitization and maintenance.

Attention: Special attention should be paid to the cleaning and hygiene of the dispensers, on a regular basis and especially when carrying out periodic maintenance and sanitation. To do this, use the sanitizing spray and single-use absorbent paper (See the Sanitization chapter).

5. EQUIPMENT OPERATION

5.1 identification of main parts

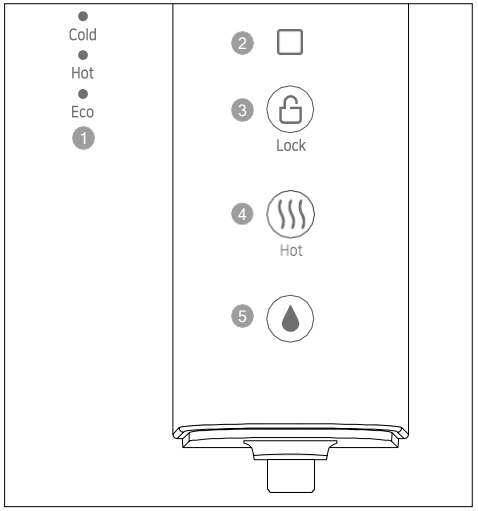


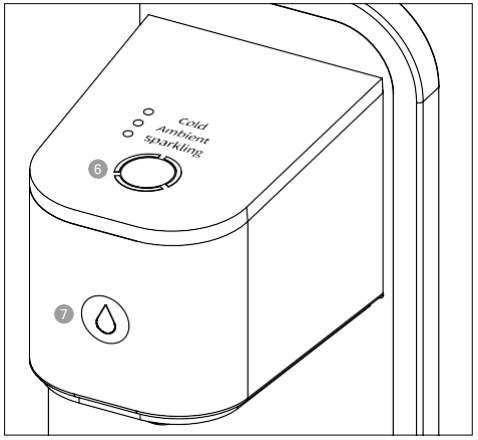
5.2 Basic system operation

In the “Filtration” models, the mains water to be treated enters the equipment through the sediment filter and carbon filter. In this filtration stage, suspended particles, chlorine, its derivatives and other organic substances are retained. The water subsequently passes through the NANOFACT filter where the smallest particles and even viruses and bacteria will be retained.

Subsequently, the water passes through the carbon block post filter where it improves the taste of the water by eliminating the gaseous components in the water.
When you demand water by pressing the upper dispensers of the equipment, the water accumulated in the water tanks flows to the outlet nozzles.

5.3 Control panel





1) FUNCTION INDICATOR - Cold water, hot water, ECO (energy saving).

2) LIGHT SENSOR (ECO) - The ECO (energy saving) system uses a light sensor to put the device into sleep mode at night.

3) SAFETY LOCK BUTTON - Help prevent burns with the hot water lock feature. It is activated by holding it down for more than 5 seconds.

4) HOT WATER SELECTOR – Activate hot water by touching this button. Lights up when activated.

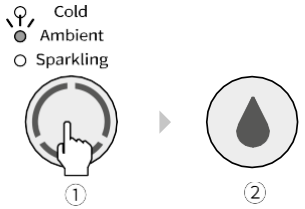
5) HOT WATER DISPENSE BUTTON - Touch this button to dispense hot water.

6) FUNCTION BUTTON - Activate cold water, ambient water or sparkling water by touching this button. The activated function lights up.

7) DISPENSE BUTTON - Touch this button to dispense cold, ambient or sparkling water.

5.4 How to extract water from the equipment

Extract ambient water.



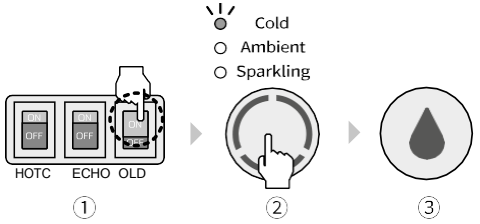
1) Touch the FUNCTION BUTTON to select and the "Ambient" function light turns on.

2) Touch and hold the DISPENSE BUTTON to dispense ambient water and release the button to stop dispensing.

*You can extract water for up to 1 minute.

*You can also extract water by just touching the DISPENSE BUTTON and it will automatically cut off after 18 seconds.

Extract cold water (COLD).



1) Activate the rear cold water dispenser switch (CODL).

* Upon first use of the dispenser, it may take about 1 hour for the system to cool down to dispense cold enough water after the switch has been activated.

* Before turning on the cold water switch, check that water comes out when you select cold water.

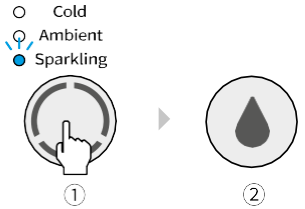
2) Touch the FUNCTION BUTTON to select and the "COLD" function light turns on.

3) Touch and hold the DISPENSE BUTTON to dispense cold water with the light flashing, and release the button to stop dispensing.
*Can extract water for up to 1 minute.

* You can also extract water by just touching the DISPENSE BUTTON, and it will automatically cut off after 18 seconds.

* The sparkling water function is based on the cold water function. The cold water function cannot be activated immediately after dispensing sparkling water.

Extract sparkling water (SPARKLING).



1. Touch the FUNCTION BUTTON to select and the "SPARKLING" function light turns on.

2. Touch and hold the DISPENSE BUTTON to dispense sparkling water with the light flashing, and release the button to stop dispensing.

*Can extract water for up to 1 minute.

* You can also extract water by just touching the DISPENSE BUTTON, and it will automatically cut off after 18 seconds.

* Sparkling water dispensing can be selected when the cold water light is solid if it is flashing.

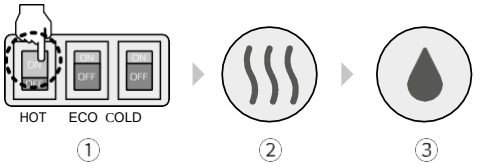
* According to the remaining gas pressure, there may be a temporary drip from the water outlet after sparklingwater has been dispensed.

*CO2 concentration is subject to temperature and equipment environment.

* Sparkling water tastes better when the water is below 10ºC.

* The gas cylinder should be replaced when the CO2 concentration in the water is low or the CO2 depressurization pressure is low.

Extract hot water.



1) Activate the rear hot water dispenser switch (HOT). *On first use of the dispenser, it may take about 1 hour to warm up the system to dispense hot enough water after the switch has been activated.

* Before turning on the hot water switch, check that water comes out when you select hot water. 2) Touch the HOT WATER SELECTOR to select and the "HOT" function light turns on. 3) Touch and hold the DISPENSE BUTTON to dispense hot water with the light flashing, and release the button to stop dispensing.

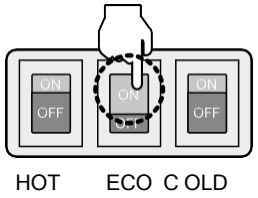
* Can extract water for up to 1 minute.

* You can also extract water by just touching the DISPENSE BUTTON, and it will automatically cut off after 18 seconds.

5.5 Additional functions.

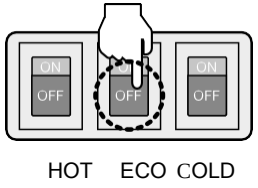
ECO energy saving mode.
Save on energy consumption by deactivating the hot water function when the device detects darkness.

To activate the energy saving mode, turn on the rear switch (ECO).



The economy mode will be activated and the ECO indicator on the front will remain on.
The light sensor detects darkness and automatically enters sleep mode at night. This mode only applies if the hot water function is activated.

To deactivate the energy saving mode, turn off the rear switch (ECO).
The economy mode will be deactivated and the ECO indicator on the front will remain off.



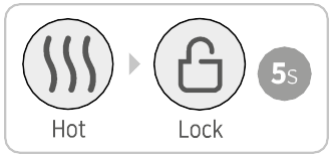
Regardless of the ECO mode status, the light sensor detects darkness and automatically dims the lights to prevent glare.

Security lock.
Help prevent burns with the hot water lock feature and protect children from any problems due to careless use.

To activate/deactivate the security lock, touch and hold the LOCK button for more than 5 seconds and its light will remain on. Follow the same process to turn it off and the light will remain off.

Acoustic signals
Activate or deactivate the button acoustic signals.

To activate the acoustic signals, touch and hold the HOT and LOCK buttons for more than 5 seconds and a confirmation “RING” will be heard.

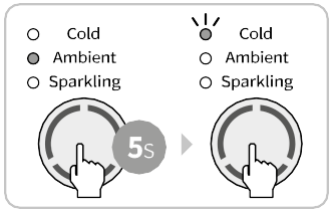


To deactivate the acoustic signals, touch and hold the HOT and LOCK buttons for more than 5 seconds and a confirmation “RING” will be heard three times.

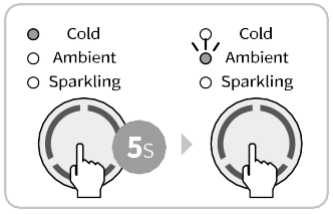
Change the default dispensing settings.

It is possible to configure the most frequently used type of water by default for more convenient use. Initially the default water type is cold and can be changed to ambient.

To configure the default cold water, assuming that you have configured the default ambient water, touch and hold the FUNCTION BUTTON for more than 5 seconds, then the cold water light (COLD) flashes and a confirmation beep sounds. change made.



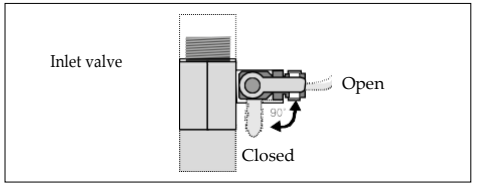
To configure the default ambient water, assuming that you have configured the default cold water, touch and hold the FUNCTION BUTTON for more than 5 seconds, then the ambient water light (AMBIENT) flashes and a confirmation beep sounds. change made..



6. HOW TO ACCESS THE FILTERS

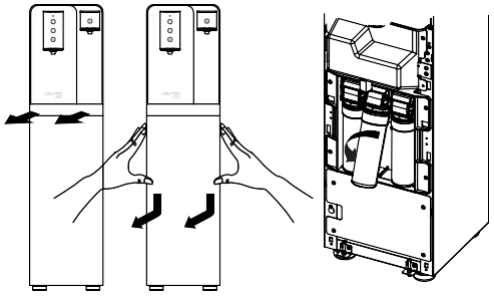
Before changing the filters, close the inlet valve and depressurize the circuit by touching the DISPENSATION icon. Unplug the equipment from the electrical power.

Pull the drip tray to remove it. Remove the front cover by pulling it down slightly and then tilting the top outward.
Tilt the filter by pulling it out from the bottom. Remove the filter by turning it clockwise. Remove the protection cap from the new filter and insert it into the head by turning it counterclockwise.



Pull the drip tray to remove it. Remove the front cover by pulling it down slightly and then tilting the top outward.

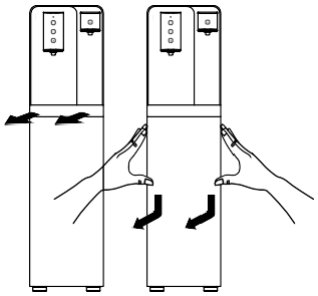
Tilt the filter by pulling it out from the bottom. Remove the filter by turning it clockwise. Remove the protection cap from the new filter and insert it into the head by turning it counterclockwise.



Open the shut-off valve and plug the equipment into the power supply. Flush the filters by running more than 10 litres of water at room temperature.

7. HOW TO CHANGE THE CO2 CYLINDER

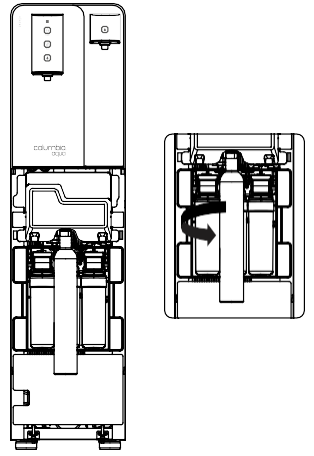
Pull the drip tray to remove it. Remove the front cover by pulling it down slightly and then tilting the top outward.



Lift the CO_2 cylinder up and separate it by turning it counterclockwise. You may hear gas sound due to remaining gas in the CO_2 cylinder.

Insert the new CO_2 cylinder into the head by turning it clockwise. Always check carefully after replacing the cylinder.

If it is not tightened properly, there may be gas leak sounds.



Use a TR21-4 adapter if you want to use refillable CO2 cylinders.
This equipment is designed only for our original CO_2 cylinder. Non-original products are not recommended.

8. TECHNICAL CHARACTERISTICS

APPLICATION

NANOFACT Filtration

Use

Improvement of the characteristics of drinking water (that meets the requirements of the European Directive on water for human consumption DWD 2020/2184 or its national transpositions in the different member states of the European Community).

Modifications due to reduction or contribution

• Water treatment through filtration retains suspended particles with a diameter greater than 5 microns.

• The NANOFACT carbon filter reduces the taste and odour of the water as well as organic components.
Retains microorganisms as well as viruses and bacteria

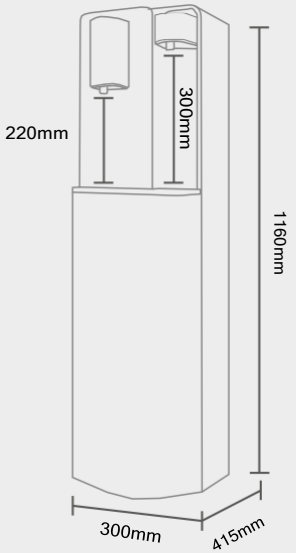
(*) Depending on the characteristics of the water to be treated.

OPERATING LIMITS

Pressure (max/min)	3 bar (300 kPa) 1 bar (100 kPa)
Temperature (max/min)	40ºC - 2ºC

TECHNICAL DATA

Control type:	Cold water thermostat.
Input connection:	1/4”
Drain connection:	
Wall adapter:	1/2”
Drain collar:	-
Treatment:	1 Micro carbon pre-filter 1 NANOFACT pre-filter 1 Carbon post-filter
Filter connection Inlet: bayonet	
Dimensions:	1160 x 300 x 415 (A x B x C)
Weight:	27kg
Electrical power supply:	220 - 240 VAC 50 Hz
Total volume of tanks	Hot water: 6.5 l. Cold water 6 l.

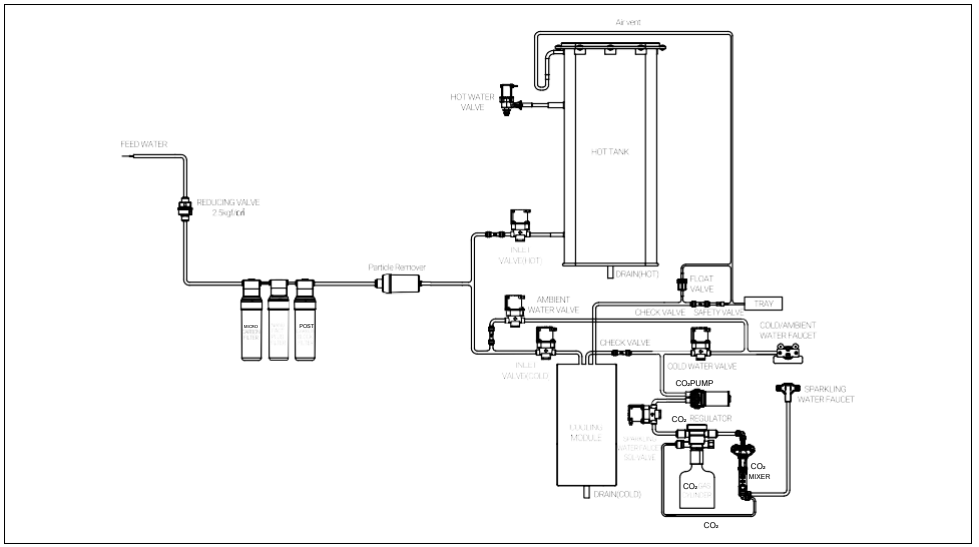


TECHNICAL DATA

REFRIGERATION SYSTEM

Compressor:	Sealed
Compressor power:	110W
Refrigerant gas:	R600a
Temperature control:	Temperature probe

HYDRAULIC DIAGRAM



9. INSTALLATION

The installation of your Columbia dispenser must be carried out by sufficiently qualified personnel. Consult the dealer if in doubt.

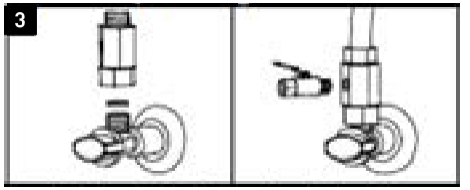
! Attention: Since the device to be installed improves the quality of the water to be consumed, all the tools to be used for assembly and installation must be clean and in no case may they be contaminated or impregnated with grease. oils or oxides. Use tools exclusively for cutting pipes, etc.

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

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

Install the input adapter (3) and connect the ¼” feedtube from the valve to the IN equipment connector,located on the rear-lower of the equipment. Use the appropriate tools and sealants to ensure tight connections.

Before plugging the equipment into the power supply, make sure that the equipment has been at rest for at least 2 hours to avoid damage to the cooling system.



It is necessary to eliminate the dust from the granulated carbon in the filters that is generated during the transportation and handling of the equipment and corresponding cartridges. Power the equipment hydraulically (opening the valve

passage) until the water runs clear and the carbon dust has been completely removed by the dispenser nozzle (see chapter**5.4 HOW TO EXTRACT WATER FROM THE EQUIPMENT**)

10. CLEANING AND MAINTENANCE

10.1 CLEANING OF THE EQUIPMENT

· Always unplug the equipment from the power supply before cleaning the equipment.
· Clean the exterior surfaces of the equipment with a cloth moistened with water and neutral soap.
· Never use detergent or chemicals.
· Do not spray water directly on the surface of the equipment.
· Empty the drip tray at least once a week and wash with neutral soap.
· Clean the rear grille (condenser) of the equipment with a damp cloth or vacuum cleaner once a month.
· Unscrew and rinse the water outlet nozzles. Replace them once they are dry.
· After cleaning the equipment, dry it completely before plugging it into power.

10.2 WATER TREATMENT MAINTENANCE

Attention: Some components of your equipment, such as prefilters, are consumables that have a limited life. The duration will depend on the quality of the local water, consumption, type of use and specific aspects of the water to be treated such as extreme turbidity, high chlorination.

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

Recommended maintenance
Sediment prefilter: At least every 6 months*
NANOFACT Carbon Prefilter: At least every 12 months*
Sanitization: At start-up. At least every 12 months depending on use. Every time components in contact with water in the equipment are accessed or water has not 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 appropriately, 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 limits of operation and start-up, improper maintenance or use, may lead to the loss of the warranty, as well as the invalidation of the certifications to which the equipment has been subjected.

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

Attention: All consumables are supplied with individual packaging specially designed to guarantee hygienic storage and transportation conditions. Take extreme hygiene precautions after removing consumables from their packaging and during handling the different connectors and components.

Attention: Before disassembling the equipment, plan all the material you will need to carry out maintenance operations and the space necessary for this. Work in a properly lit place, in adequate hygienic conditions and with enough space to carry out operations comfortably.

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

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

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

11. SANITATION PROCEDURE

Necessary material:

• Manual valve.
• Measuring housing with connectors.
• Sanitizing cleaner for water treatment equipment.
• Single-use latex gloves.
• Hydrogen peroxide detector strips.
• Sanitizing spray.
• Paper towels.

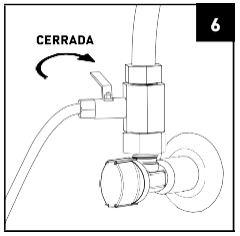
Sanitize the equipment during start-up, when appropriate (whenever there is a risk of contamination of the equipment due to handling of components in contact with water) or with the indicated periodicity.

To do this, follow the steps below:

Attention: The water used during sanitation must be drinking water (from the public distribution network, complying with the corresponding potability requirements of RD 3/2023, directive 2184/2020.

• Keep the inlet valve closed (6) and depressurize the tank or coil by touching the DISPENSE icon.

• Sanitization must be carried out with the new prefilters previously installed in an appropriate manner, correctly removing the carbon dust from them.



• Use single-use latex gloves when handling sanitizing products.

• Install the measuring housing into the inlet tube to theequipment.

To do this:

• Disconnect the inlet tube to the equipment marked “IN”, and insert the dosing housing between the inlet valve and the water inlet of the equipment (8). For greater comfort and ease of access during sanitization and the opening and closing operations of the inlet valve, if the valve is inaccessible or at a great distance from the equipment, you can insert, together with the sanitizing dosing housing, a manual valve in position closed, which will perform the same functions as the inlet valve to the equipment.

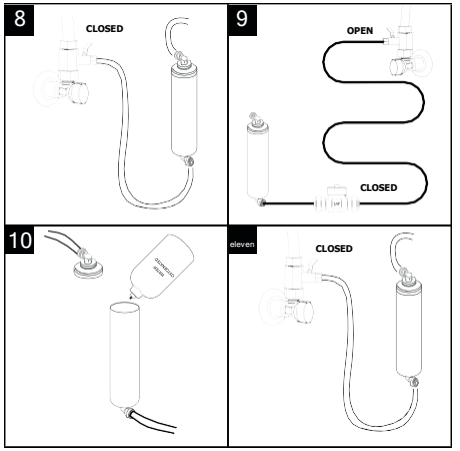
• Once the assembly is installed, keep the new inlet valve closed and open the inlet valve (9). The measuring housing must initially be empty.

• Pour 50 ml of sanitizing product into the measuring housingplaced at the inlet of the equipment (10). Screw the lid correctly to its body.

• The manual inlet valve must be closed. Connect the equipment to the electrical power.

• Open the water inlet valve to the equipment, allowing the sanitizing product to flow into it. Keep the inlet valve in that position and extract a glass of waterfrom each dispenser, in order to fill the entire hydraulic circuit with the sanitizing solution.

• Close the inlet valve (11) and let the filters soaked with the sanitizing solution sit for 20 minutes. Meanwhile, proceed to sanitize dispensers using sanitizing spray and paper towels.



• Depressurize the circuit by opening the dispensing tap. Empty the measuring housing. Before opening it, have a container within reach where you can empty it, as it may be full of water.

• Remove the complementary elements used for Sanitization and reconnect the supply tube to the input (IN) of the equipment.

• Open the valve and extract 5 litres of water from each dispenser in order to rinse the sanitizing solution circuit.

• Use the sanitizing product detection strips to verify that the equipment is properly flushed; make the necessary emptying if traces of sanitizing product are detected.

12. TROUBLESHOOTING

THE TANK IS NOT FILLED AT ALL		
Problem	**Reason**	**Solution**
No water enters the dispenser	Inlet valve is closed	Open the inlet valve
	There is no water supply	Problem unrelated to the equipment
	Obstruction in the inlet tube to the equipment	Change the inlet tube.
Production is low	Partial clogging of the sediment filter, comparing the inlet flow with the outlet of the sediment cartridge	Change the sediment filter.
	TDS of inlet water is more than 1500 ppm	Contact your service representative.
The water tastes bad	The supply water does not comply with current legislation	Install the equipment using a potable water source that complies with current legislation
	The unit is contaminated	Perform a complete sanitization of the dispenser
The water does not come out cold.	Rear switch is in OFF position	Set the thermostat to a value other than OFF
	The customer takes out bottles of cold water and empties the cold water tank	The dispensers are designed so that the water is removed glass by glass
	The cooling system is damaged or leaking refrigerant gas	Contact technical service.

13. WARRANTY

The distributor guarantees the equipment for a period of three years against any lack of conformity detected in it, as provided in Royal Decree-Law 7/2021, of April 27, transposing European Union directives in the competition matters, 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 defence.

· The warranty includes the repair and replacement of defective parts by personnel authorized by the distributor or by the official technical assistance service (TAS) at the installation site or in its workshops. Labor and shipping costs that may be generated are included in the warranty.
· The distributor is exonerated from providing a guarantee in cases of parts subject to natural wear, lack of maintenance, knocks or other lack of conformity that are a consequence of improper use of the equipment or inappropriate use according to the operating conditions and limits indicated by the manufacturer. of the same. Likewise, the guarantee loses effectiveness in cases of poor handling and use of the equipment or in those cases in which they have been modified or repaired by personnel other than the distribution company or official SAT.
· 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, in accordance with their nature and purpose. Taking into account the characteristics of the equipment, it is essential for the guarantee to cover lack of conformity, compliance with the technical conditions of installation and operation. Failure to comply with these conditions may lead to the absence of warranty, taking into account the relevance of the destination of the equipment and the operating conditions and limits in which it must operate.
· The distributor must guarantee 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 guarantee the correct installation and start-up of the equipment as indicated by the manufacturer and current regulations and will also be responsible for any lack of conformity arising from incorrect application, installation or start-up of the equipment.
· For any warranty claim it is necessary to present the purchase invoice. The three-year period is computed from the purchase of the equipment from the distributor.
· If your equipment has any problems during the warranty period, contact your distributor.
· If your equipment has any problems during the warranty period, contact your distributor.

The equipment is installed and in operation in a manner satisfactory to the client and for the record:

* Treatment prior to equipment:

* Inlet hardness (ºF):

* TDS entering the equipment (ppm):

* TDS produced water (ppm):

* Inlet pressure to the equipment (bar):

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

Correct:

Others:

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

* **Ref. Maintenance contract:**

ACCEPT the maintenance contract

DO NOT ACCEPT the maintenance contract

If you need information, reporting a breakdown or malfunction, requesting maintenance or intervention by a technician, read the operation, detection and troubleshooting sections of this manual in advance 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 out by the installation technician and transcribed himself from the INSTALLATION RECORD sheet.

14. INSTALLATION RECORD SHEET

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

DATA ABOUT THE APPLICATION OF THE EQUIPMENT:

Origin of the water to be treated:

- PUBLIC SUPPLY NETWORK
- OTHERS

* Treatment prior to equipment:

* Hardness of entry to the equipment (ºF):

* TDS entering the equipment (ppm):

* TDS produced water (ppm):

* Inlet pressure to the equipment (bar):

CONTROL OF THE INSTALLATION STEPS:

Pre-filter assembly: Overflow installation: Start-up according to protocol: Fitting inspection:

Input hardness measurement:
Output hardness measurement:

Insulation by-pass installation: Correct drain installation:
Brine suction/tank filling check: Pressurized system tightness:
Equipment programming:
Residual hardness adjustment:

COMMENTS

* Installation and commissioning result:

- CORRECT (equipment installed and functioning correctly. Produced water appropriate for the application).
- OTHERS:

IDENTIFICATION OF AUTHORIZED TECHNICIAN/INSTALLER:

COMPANY AND/OR AUTHORIZED INSTALLER, DATE AND SIGNATURE:

CONFORMITY OF THE EQUIPMENT OWNER:

I have been clearly informed of the use, manipulation and maintenance required by the installed equipment, having been offered a maintenance contract and informed of how to contact Customer Service in case of requesting information, reporting a breakdown or malfunction, requesting maintenance. or intervention of a technician.

Comments:

*** Ref. Maintenance contract:**

ACCEPT the maintenance contract

DO NOT ACCEPT the maintenance contract

Model/Ref.:

Owner:

Street:

Phone:

Population:

Province: CP:

SERIAL NUMBER:

EQUIPMENT WARRANTY DIRECTED TO THE DISTRIBUTOR:
The distributor will only be responsible for replacing parts in case of lack of conformity. The repair of the equipment and the expenses that it entails (labor, shipping costs, travel, etc.) will be assumed by the distributor, in accordance with what is agreed in the general conditions of contracting and sale, so it cannot be be subsequently passed on to the manufacturer.

15. MAINTENANCE SERVICE

DATE	TYPE OF SERVICE	NAME, SIGNATURE AND SEAL OF AUTHORIZED TECHNICIAN	
	START UP		
	COMPLETE MAINTENANCE PREPARATION SANITATION OTHERS	TECHNICAL SEAL	ORDINARY EXTRAORDINARY WARRANTY
	COMPLETE MAINTENANCE PREPARATION SANITATION OTHERS	TECHNICAL SEAL	ORDINARY EXTRAORDINARY WARRANTY
	COMPLETE MAINTENANCE PREPARATION SANITATION OTHERS	TECHNICAL SEAL	ORDINARY EXTRAORDINARY WARRANTY
	COMPLETE MAINTENANCE PREPARATION SANITATION OTHERS	TECHNICAL SEAL	ORDINARY EXTRAORDINARY WARRANTY
	COMPLETE MAINTENANCE PREPARATION SANITATION OTHERS	TECHNICAL SEAL	ORDINARY EXTRAORDINARY WARRANTY

16. MAINTENANCE SERVICE

DATE	TYPE OF SERVICE	NAME, SIGNATURE AND SEAL OF AUTHORIZED TECHNICIAN	
	◯ START UP		
	◯ COMPLETE MAINTENANCE ◯ PREPARATION ◯ SANITATION ◯ OTHERS	TECHNICAL SEAL	ORDINARY EXTRAORDINARY WARRANTY
	◯ COMPLETE MAINTENANCE ◯ PREPARATION ◯ SANITATION ◯ OTHERS	TECHNICAL SEAL	ORDINARY EXTRAORDINARY WARRANTY
	◯ COMPLETE MAINTENANCE ◯ PREPARATION ◯ SANITATION ◯ OTHERS	TECHNICAL SEAL	ORDINARY EXTRAORDINARY WARRANTY
	◯ COMPLETE MAINTENANCE ◯ PREPARATION ◯ SANITATION ◯ OTHERS	TECHNICAL SEAL	ORDINARY EXTRAORDINARY WARRANTY
	◯ COMPLETE MAINTENANCE ◯ PREPARATION ◯ SANITATION ◯ OTHERS	TECHNICAL SEAL	ORDINARY EXTRAORDINARY WARRANTY

17. NOTES

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