



Cool, yes we are.



Use & Maintenance Manual

160455 1705 EN



COOL1



Before installing or using the product read the precautions and general recommendations inside.

Precautions and general recommendations

This appliance is intended to be used in household and similar applications such. Appliance for internal use only. Place the unit away from water jets.

Always connect the water cooler to a water main that supplies drinking water only.

Before each installation, the unit must be sanitized by an authorized technician.

After installation, ensure that the unit is not resting on the power cable.

Check that the unit is level and that it is resting on a floor with sufficient load-bearing capacity, in an environment that is suitable for its dimensions and its use.

Before any maintenance or cleaning operation is carried out, remove the plug from the socket or disconnect the power supply.

Ensure that the product is not sited close to sources of heat.

To guarantee adequate ventilation, leave at least 10 cm of space around the unit.

Install the product in a clean, dry, well-ventilated environment. The product is designed to function in environments with a temperature range of between 5°C and 32°C - Climate Class N.

Take care not to damage the cooling fluid circuit: it is filled with R290, which is a highly flammable gas. It is essential to ensure that the tubes of the refrigerant circuit are not damaged.

Ensure that it is possible to disconnect the power supply either by removing the plug or via a two-pole circuit-breaker, with an opening distance of the contacts that allows complete disconnection in the conditions of overvoltage category III, placed upstream of the plug.

Check that the voltage shown on the serial number plate corresponds to the voltage being supplied at the installation site.

The unit must not be cleaned with a water jet. Do not position other electrical equipment in the immediate vicinity of the water cooler.

Turn off the main water inlet tap if the unit is not to be used for a long period.

Keep the areas surrounding the unit dry to avoid the risk of people slipping.

If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified person in order to avoid a hazard. Do not use extension leads or adapters.

This appliance is intended to be used by persons (including children aged from 8 years) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, provided that 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. The appliance is only to be installed in locations where it can be overseen by trained personnel.

The Appliance shall be protected by a ground-fault circuit interrupter.

This equipment is to be installed in compliance with the local plumbing codes. Water pipe connections and fixtures directly connected to a potable water supply shall be sized, installed, and maintained in accordance with federal, state, and local codes.





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Before installing the water cooler

Congratulations for choosing a BLUPURA product.

We have designed and manufactured this product with great care to ensure that it will dispense water of the highest quality.

In order to get the most out of your water cooler, please read the instructions in this manual and retain the manual for future reference.

This publication is based on information available when approved for printing. Continuing design refinements could cause changes that may not be included in this publication. The original text of this publication, written in Italian, is the only reference for settling any interpretative disputes regarding the translations of EU languages.

Blupura reserves the right to change or modify the stated features without prior notice.

Recommendations for safeguarding the environment

Packaging materials

- The packaging materials are 100% recyclable.
- Please follow the local guidelines on waste disposal. For safety reasons keep the packaging material out of the reach and sight of children.



Scrappage

- The water cooler is made using recyclable material.



- This unit is marked in compliance with European Directive 2012/19/UE on Waste Electrical and Electronic Equipment (WEEE). By ensuring that the product is scrapped correctly, you are helping to prevent potential negative consequences for the environment and for health. The symbol  on the unit indicates that the product should not be treated as domestic waste but should be taken to a dedicated recycling centre for electrical and electronic equipment. Immediately prior to scrapping, cut off the power cable.

- For more information on the treatment, recovery and recycling of this product, please contact the appropriate local office, the waste disposal service or the reseller from which the product was purchased.

Information on the natural, eco-friendly refrigerant gas used in this cooler

- This product contains no CFCs or HFCs, which contribute to global warming.

Indeed, it is the first water cooler on the market to use natural refrigerant.

- The refrigerating system is filled with HC R290 - Propane: a natural gas that does not contribute to global warming and that, thanks to its specific characteristics, allows for substantial energy savings to be made.

Certified

See official list



Materials compliant for contact with drinking water

This unit is intended for the dispensing of drinking water, and so the materials that enter into direct contact with water meet the criteria for food-grade components pursuant to the current legislation. In addition, the unit is manufactured in compliance with Italian Ministerial Decrees 174 of 06/04/2004 and 25 of 07/02/2012.

Electrical safety

This water cooler is designed, manufactured and marketed in compliance with:

- the safety objectives of the Machinery Directive 2006/42/CE;
- the protection requirements of the Electromagnetic Compatibility Directive 2014/30/EU.

The electrical safety of the product is ensured only when it is properly connected to an efficient, legally compliant grounding circuit.

Associations



Fachverband
Getränkeshankanlagen
Mitglied aus Überzeugung



ASSOCIAZIONE COSTRUTTORI TRATTAMENTI ACQUE PRIMARIE

International Awards

2017 - BEST MARKETING CAMPAIGN

EUROPEAN AQUA AWARDS 2017, KRAKOW

2015 - BEST PROMOTION OF HEALTH AND HYDRATION

EUROPEAN AQUA AWARDS 2015, ROME

2015 - BEST ENVIRONMENTAL PRACTICE/GREEN INITIATIVE

EUROPEAN AQUA AWARDS 2015, ROME

2014 - BEST PROMOTION OF HEALTH AND HYDRATION

EUROPEAN AQUA AWARDS 2014, BUDAPEST

2013 - BEST PRODUCT INNOVATION

EUROPEAN AQUA AWARDS 2013, BERLIN

2012 - BEST ENVIRONMENTALLY FRIENDLY PRACTICE

EUROPEAN AQUA AWARDS 2012, ISTANBUL

2011 - BEST PRODUCT DESIGN/INNOVATION

EUROPEAN AQUA AWARDS 2011, ODESSA

Description of the unit

COOL1 - The best solution for canteens, self service areas, schools, gyms.

The main features of the unit are as follows:



- **Refrigerant system with natural gas.**
- **Modern design and main body in stainless steel.**
- **High-insulation ice bank**, with a high output of cold, still and sparkling water, available in versions 150 lt/hr and 80 lt/hr.
- **3 dispensing options** (FIZZ model): cold water + room-temperature water + cold sparkling water.
- **Professional stainless-steel carbonator.**
- **Electromechanical dispensing buttons.**
- **Front opening and internal space for UV IN filters and CO₂ cylinder.**

Frontal view



1 Cold sparkling water dispensing nozzle (detachable)

2 Room temperature water dispensing nozzle (detachable)

3 Cold water dispensing nozzle (detachable)

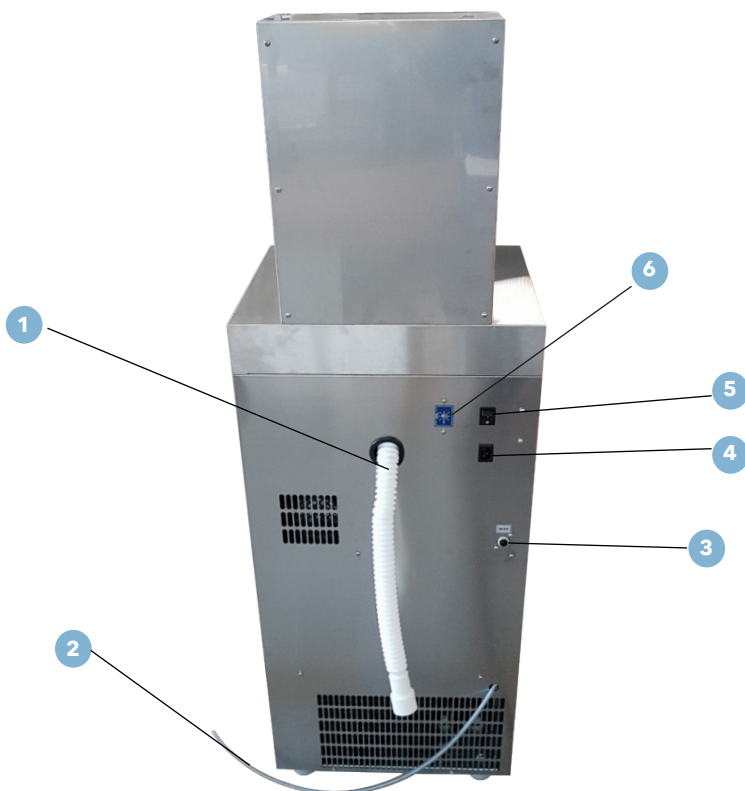
4 Drip tray with grid

5 Dispensing buttons

6 Front panel security lock

7 Adjustable feet

Rear view



1 Drip tray waste pipe (Ø40mm)

4 IEC power cord plug

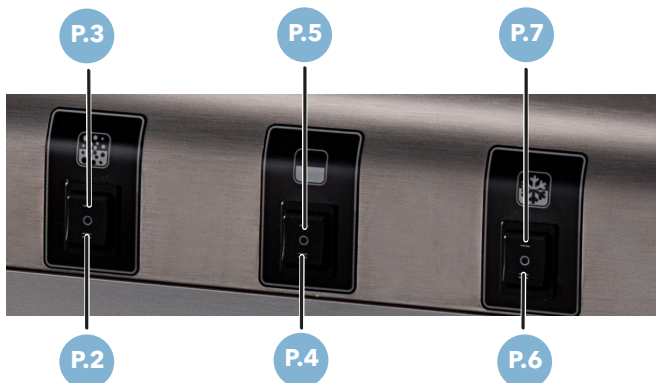
2 Ice bank overflow waste pipe (Ø8mm)

5 Power button

3 Drinkable water inlet pipe joint (Ø8mm)

6 Adjustable thermostat

Keypad description



The water cooler features a mechanical button keypad.

FUNCTIONS OF THE BUTTONS:

- **SPARKLING WATER PRESSURE-ACTIVATED DISPENSING button (P.3)**
- **ROOM-TEMPERATURE WATER PRESSURE-ACTIVATED DISPENSING button (P.5)**
- **COLD WATER PRESSURE-ACTIVATED DISPENSING button (P.7)**

The water is dispensed while pressure is being applied to the button.

- **SPARKLING WATER START-STOP DISPENSING button (P.2)**
- **ROOM-TEMPERATURE WATER START-STOP DISPENSING button (P.4)**
- **COLD WATER START-STOP DISPENSING button (P.6)**

Pressing the button causes the water to be dispensed. Pressing the same button again stops the dispensing of the water.

Technical Features - Technical Data Plate



[mod. Cool1]



Loreto (AN) Italy
www.blupura.com

900578 COOL1 150 FIZZ

230V ~ 50Hz 920 W 4,00 A

Gas R290 : 120,000 g

Max inlet water pressure 350 kPa (3,5 bar)

Serial n. 1704003030

Class N

Made in Italy

CE

USE ONLY POTABLE WATER

RoHS

COMPLIANT

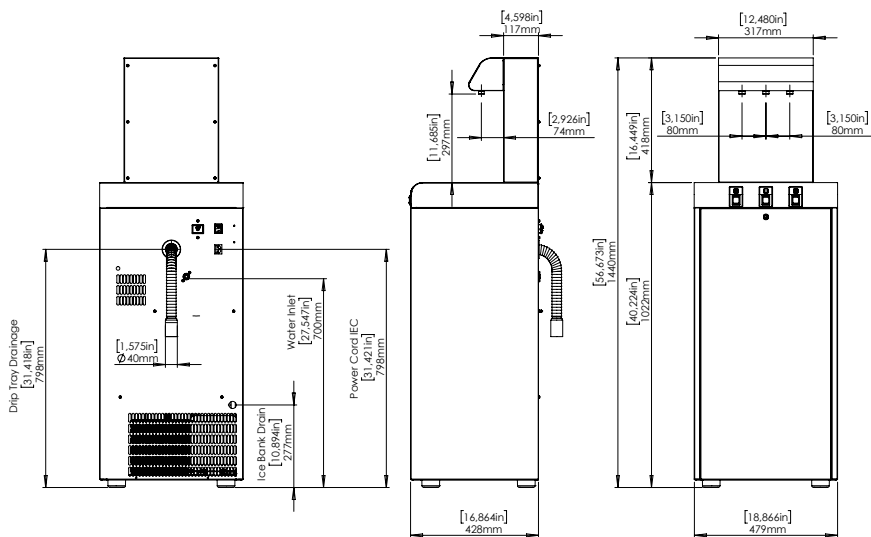
2011/65/EU

17 Year of manufacture
04 Month of manufacture
03030 Serial number



Technical Features - dimensions (mm)

[mod. Cool1]



Technical data sheet	Cool1 150 lt	Cool1 80 lt
Cooling capacity	150 lt/h	80 lt/h
Max continuous dispensing	80 lt	45 lt
Water temperature	5°-12°C *	
Cooling system	Dual-coil ice bank	Single-coil ice bank
Tank capacity	18 lt	14 lt
Ice bank	8 kg	5 kg
Pump	Professional rotary carbonation pump	Professional membrane carbonation pump
Power supply	Single-phase 230V-50Hz	
Power consumption	920 W - 4 A	300W - 1,3 A
Compressor power	1/3 HP	1/3 HP
Cooling	Forced ventilation	
Refrigerant gas	Natural gas HC R290	
Ambient cooling temperature	Min 5°C - Max 35°C	
Dimensions LxDxH (mm)	479 x 428 x 1440	
Packaging dimensions (mm)	520 x 474 x 1562	
Net weight (kg)	49	42
Gross weight (kg)	55	48

* rated at a room temp. of 25°C and inlet water temp. of 20°C

For the technical data sheet of other models, examine the technical data plate attached in the unit.

Installation

Unpacking

Cut the packing tab and pull up the cardboard box and the inner caps.

Carefully check that the watercooler has not been damaged during transport. Any signs of damage must be reported to the Agent immediately.

If the watercooler has been transported in a horizontal or inclined position, a wait of 8 hours is needed before turning it on so that the refrigeration circuit can function perfectly.

Ensure that a qualified technician connects it to the electric supply following the manufacturer's instructions and according to the local safety regulations

The end user is not permitted to access the internal service parts of the unit. Only technical personnel should carry out operations of this nature.





Fig. 17.1 - Mod. 150 lt



Fig. 17.2 - Mod. 80 lt



Fig. 17.3

Siting the unit

Wear safety gloves when handling the unit. The unit must be handled by two people.

Site the unit away from sources of heat.

The machine is equipped with 4 adjustable feet. Do not place on inclined surfaces.

Leave at least 10 cm around the unit to allow for aeration.

SANITIZE the machine as described in the paragraph on page 25.

Filling the ice bank

Open the front panel using the key supplied.

Pour drinking water into the ice-bank using the hole (1).

The ice-bank is full when water flows out of the drain tube positioned on the back of the machine (2)

Once you have filled the ice bank, avoid moving the unit.

If you have to move the unit, remember to empty the ice bank first.



Fig. 18.1

Connection to the mains water supply



CAUTION!

To connect the water cooler to the mains water supply, you will need to use a new set of connectors (joints, gaskets and pipes).

Do not use a set of connectors that has already been used elsewhere.

The water pressure entering the unit must be between a minimum of 1,0 bar (0,10 MPa) and a maximum of 3,5 bar (0,35 MPa)

Check that the mains pressure is between 1 bar and 3,5 bar. To enhance the quality of the sparkling water dispensed, an incoming flow rate in excess of 3,5 lt/min is recommended.

Connect incoming water tube Ø8 mm (2) to the drinking-water main, ideally with a tap upstream of the unit.

The unit is equipped with a safety valve and a non-return valve.

Connect waste pipes (3) and (1) to a waste water manifold. Once the pipes are attached, turn on the tap. Ensure there are no leaks.

Before drinking the water from the system, perform a thorough rinse of the circuit by dispensing water from each product line.



Fig. 19.1

Electrical connection

The connections must comply with local regulations. The grounding of the unit is a legal requirement.

Connect the power supply cable to the IEC plug (1) and to the electric socket.

Turn the unit on by selecting the "I" position on the main on/off rocker switch (2). The ice-bank pump, compressor and fan are now activated. On the FIZZ models, the pump for filling the carbonator with water is also activated.

Press the "Sparkling Water" button in order to release any air in the circuit and to allow the pump to fill the carbonator with water.

After around 1-2 minutes, the sparkling water pump stops.

Thermostat

The thermostat (3) is set in the maximum position to control the ice bank.

If you want to avoid the formation of ice in the bank, turn the thermostat screw at least 1/4" anti-clockwise.

In the case of freezing of the water circuit, turn off the unit and keep it off for at least 12 hours.

Installation of the CO₂ cylinder (FIZZ model)



Fig. 20.1

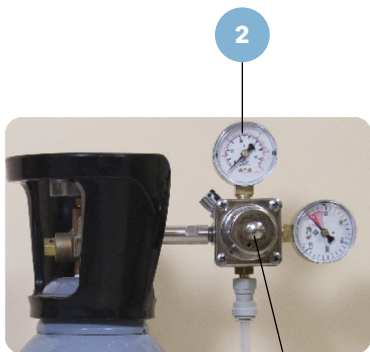


Fig. 20.2

Once the unit is connected to the mains water and electricity, and the ice-bank tank has been filled, you can install the E290 food-grade carbon dioxide (CO₂) cylinder.

The machine is not equipped with a CO₂ pressure reducer or CO₂ cylinder (optional).

Inside the machine, you can install cylinders with a maximum diameter of 160 mm and a maximum height of 780 mm – standard 5 kg or 6 kg cylinders are generally within these dimensions. The unit is equipped with a tear tape for the safety fixing of the cylinder.

To increase or decrease the level of carbonation of the water, you need to adjust the screw (1). Turning it clockwise increases the level of carbonation. We recommend that you do not exceed 4 bar of pressure (2).

To reduce the carbonation level, turn the screw anti-clockwise. The level will decrease as soon as sparkling water is dispensed.

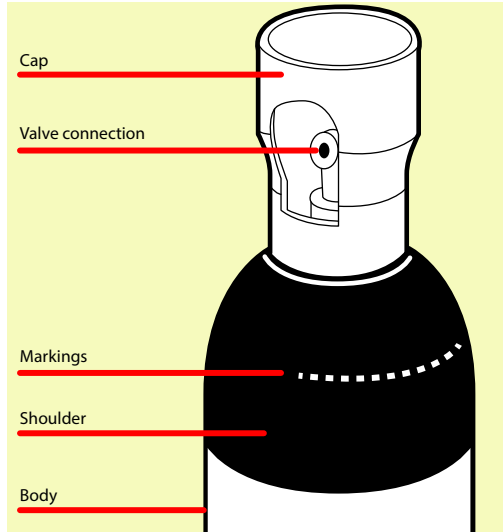
To achieve a good level of carbonation, you need to wait until the water is sufficiently cold – i.e. at least one hour after installation.

Handling the gas cylinders

All of the cylinders must be fitted with a valve protector cap, which must be on tight at all times when the cylinder is not in use.

The cylinders must be handled with care. It is essential to avoid: clashes with other cylinders or surfaces; dropping the cylinders; or subjecting them to mechanical stress. All of the above may compromise their integrity and resistance.

The cylinders must not be lifted by the cap, or dragged, rolled or slid along the floor. Even if only being moved for short distances, an appropriate hand cart or other suitable means of transport should be used.



Do not use magnetic lifters or slings with ropes or chains to lift the cylinders. If the cylinders are to be lifted with cranes, hoists or fork-lift trucks, ensure that appropriate cages, metal baskets or pallets are used.

The cylinders must not be moved or handled with greasy hands or gloves. This is particularly important in relation to cylinders containing oxidising gases.



**** Replacement of the CO₂ cylinder. All of the operations must be carried out exclusively by qualified technical personnel. To view the video tutorial, scan the QR code.***



**** Suggestions for optimal carbonation. All of the operations must be carried out exclusively by qualified technical personnel. To view the video tutorial, scan the QR code.***

Filtration (optional)



EVERPURE 4C FILTER

On request, the unit can be fitted with an Everpure 4C filter.

MAIN FEATURES

This filter removes the odour and flavour of chlorine and other contaminants that can alter the taste of the water. The Precoat microfiltration system removes impurities and particles with dimensions of 0.5 microns and above.

It also reduces the levels of any contaminants such as asbestos fibres and micro-organisms such as Cryptosporidium and Giardia.

It protects gaskets, pumps, tubes and valves against blockages, corrosion and abrasions.

Approved by the Italian Ministry of Health and the Water Regulations Advisory Scheme (UK), it is certified compliant with the NSF/ANSI standards 42 and 53.

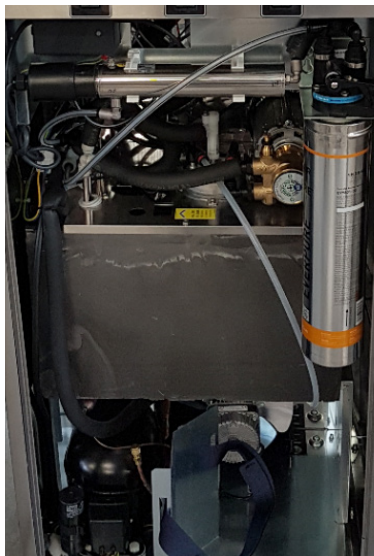
The cartridge should be changed every 6 MONTHS.

Its maximum capacity is 3000 gal.



**** Filter replacement and sanitization. All of the operations must be carried out exclusively by qualified technical personnel. To view the video tutorial, scan the QR code.***

Filtration (optional)



UV sterilizing filter

Alongside the Everpure 4C filter, it is also possible to have your water cooler fitted with a UV-C ($\lambda=254\text{ nm}$) sterilizing filter.

The UV-C light emitted by the special 12W mercury vapour lamp is lethal for all micro-organisms (bacteria, viruses, mould, algae, etc.); for this reason, water treated with the UV-C sterilizer will be microbiologically pure.

TECHNICAL PROFILE

Material AISI 304

Power rating 110V- 60Hz

Power consumption 20Wh

Max water capacity 1.30 gal/min

Minimum pressure 0,5 bar

Maximum pressure 9 bar

Radiation $> 30000\text{ }\mu\text{Ws/cm}^2$

Green LED ON = lamp lit

Maximum capacity of the lamp 9000 h (max 12 months)

The UV sterilizer is made entirely in Italy and complies with Italian and European quality and safety guidelines.



CAUTION!

The light emitted by the ultra-violet lamp may cause serious burns to the eyes and skin.

The replacement can only be performed by qualified personnel.



**** Replacement of the external lamp. All of the operations must be carried out exclusively by qualified technical personnel. To view the video tutorial, scan the QR code.***



**** Replacement of the internal lamp. All of the operations must be carried out exclusively by qualified technical personnel. To view the video tutorial, scan the QR code.***

Bluprotection (optional)

DESCRIPTION

Bluprotection is a registered trademark of Blupura Srl.

This procedure has been developed to ensure that the unit retains an appropriate quantity of micro-organisms during the phases when it is no longer under the direct control of the manufacturer (i.e. transport and storage).

The procedure envisages the use of a registered substance – compliant with EU BPR biocides regulation 528/2012/EC on drinking water – as a preservative during storage. The unit's hydraulic system is refilled using this solution at the end of the manufacturing process to ensure that it retains the appropriate characteristics for use.

Before using the unit to dispense drinking water, it is essential to carry out the following procedure directly at the installation site.

The person who carries out this operation must have access to this procedure and must be fully trained on the risks relating to electrical devices and on personal protection equipment, insulating equipment and devices for protection against electric arcs.

PHASES OF THE PROCEDURE

1. Ensure that the mains water is suitable in hygienic/sanitary terms.
2. Attach the unit to the mains, plug it in and turn it on.
3. Remove the safety sticker that states "ATTENTION: BEFORE THE FIRST DISPENSING, RINSE ACCORDING TO THE PROCEDURE DESCRIBED IN THE MANUAL".
4. If the unit is equipped with a filter and an internal filter head, insert an empty filter cartridge or bypass the head.
5. Run water through all of the dispensing outlets for a sufficient length of time to dispense 50-60 litres per outlet. The solution dispensed must be disposed of in accordance with applicable local legislation.
6. In the case of internal filtration, install the filter cartridges and, if carried out at point 4, reconnect the head. Check that the parameters of the water at the inlet and outlet are suitable for drinking water.
7. Run another 10 litres of water through each outlet.

Until the aforementioned procedure has been completed, the unit is not ready for the intended use for which it has been designed and manufactured.

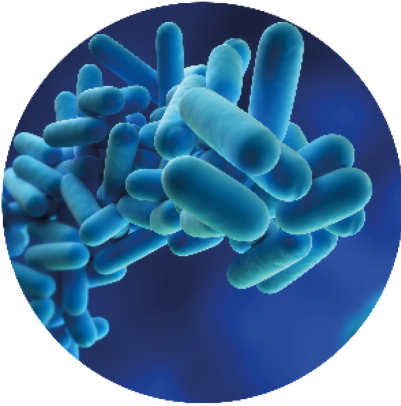


ATTENTION!

Although the preservative solution utilised in the unit is suitable for use with drinking water, it should not be consumed. Please adhere fully to the instructions set out in the procedure above and take care not to drink any water dispensed prior to the completion of the stated operations. The unit is considered ready for its intended use only after successful completion of this rinsing procedure.



Sanitization - Notes



The unit should be sanitized at first installation, or when the hydraulic components are being replaced, or when the filter is being changed, or in any case at least once a year.

This operation must be carried out by the BLUPURA Reseller or by qualified technical personnel who have completed specific training courses on hygiene and sanitization.

To sanitize the unit, we recommend the use of hydrogen peroxide (oxygenated water), 5% diluted in drinking water.



**** Filter replacement and sanitization. All of the operations must be carried out exclusively by qualified technical personnel. To view the video tutorial, scan the QR code.***

● Ordinary maintenance

● External cleaning of the unit

● Cleaning and user maintenance shall not be made by children without supervision. To clean the unit, use the BLUSTEEL ULTRAMICROFIBRA cloth (code 190094), which is specifically designed for our products. Alternatively, you can use a soft cloth and a dedicated product for the cleaning of stainless steel. To remove limescale, use DAILY CLEANER SPRAY (cod. 190109) and rinse after use.

● DO NOT USE alcohol- or solvent-based products or excessively acidic solvents that can ruin the surface of the steel.

● Cleaning the drip tray

● When it is necessary to clean the drip tray, use a diluted limescale cleaner (citric acid or similar).

● The drip tray can also be washed in the dishwasher.

● Cleaning the dispensing nozzles

● On a daily basis, spray a diluted hydrogen peroxide solution (e.g. Cooler Clean) onto the nozzles.

● DO NOT USE a jet of water to clean the unit, or detergents with abrasives. Light scratches can be removed with CREAMY CLEANER (cod. 190104).

Service history

Installation			
Technician	Date	Notes	Signature
Maintenance			
Technician	Date	Notes	Signature

Warranty conditions

This unit is guaranteed by BLUPURA for a period of two years from the date of purchase.

The warranty entitles the owner to the free-of-charge repair of the unit by our company or the free-of-charge replacement of any parts that have been shown to have manufacturing defects.

The warranty does not include normal wear-and-tear to the components, or any damage caused to the components due to negligent or improper use, or due to a non-standard installation.

The warranty shall not be applicable if the unit has been tampered with or if repairs have been carried out by unauthorized persons.

For the conditions not specified here, please refer to the Blupura Srl WARRANTY CONDITIONS.

For any returns or repairs, please contact CUSTOMER SERVICE and request the RMA for returning the goods.



Cool, yes we are.

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