blupura

Use & Maintenance Manual

1612320124 EN

REBEL 30

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 domestic and similar applications, such as:

- the kitchen area for the staff of shops, offices and other working environments;
- farms and by customers in hotels, motels and other residential-type environments;
- bed and breakfasts;
- catering services and similar non-retail applications;
- public places in a supervised environment.

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 machine is well leveled, that it rests on a surface capable of supporting its weight and is in an environment suitable for its size and 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 16°C and 32°C.

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.

In connection with the performance of work activities and the task of installation and maintenance of equipment, personal protective equipment shall be used according to the directions and obligations according to the current local regulations on safety in the workplace.

By way of example and not limited to:

TASK/ACTIVITY/AREA:	**INDIVIDUAL PROTECTIVE EQUIPMENT:**	**SAMPLE IMAGE**
FOR ALL OPERATIONS	Safety shoes	
USE OF CUTTERS OR OTHER CUTTING TOOLS	Cut-resistant protective gloves Safety glasses	
MANUAL HANDLING OF LOADS	Shockproof and cut-resistant protective gloves	
HANDLING CHEMICALS:	Nitrile gloves Activated carbon filtering face mask Safety glasses	

Index

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.

Safety conditions

This manual contains paragraphs on security conditions, preceded by titles to draw ones' attention:

NOTE: *These titles are used to highlight important information regarding installation, operation and maintenance.*

ATTENTION: *These titles are used to indicate a hazard that may, if ignored, result in damage to premises and equipment or people.*

ATTENTION: *These titles are used to indicate the presence of flammable materials.*

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

For the list of product and company certifications contact Blupura Srl.

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.

Description of the unit

Compact, powerful, in pre-painted steel and shockproof ABS, Rebel is perfect for the home and office, naturally with professional performance.

The main features of the unit are as follows:

- **Highly insulated ice bank.**
- **High quality ABS illuminated buttons,** wear-resistant and easy to use
- **4 dispensing options**:
  » Cold still water, room temperature water;
  » Cold still water, cold sparkling water, cold mix water, room temperature water (mod. Fizz);
  » Cold still water, room temperature water, hot water (mod. Super Hot);
  » Cold still water, cold sparkling water, room temperature water and hot water (mod. Super Hot Fizz).
- **Professional 1 litre inspectable boiler** in AISI 304 stainless steel
- **Modern and compact design**
- **Dispensed water delivery,** easily programmable, with volumetric control (only Vol and Fizz Vol model).
- **Energy saving**, easily programmable for sustainable use of the product
- **Fast and easy installation** for home and office usage.
- **Sterilisation:** on request a UVC LED lamp or Blufire system at the dispensing point.

Frontal view - Mod. Rebel 30 *

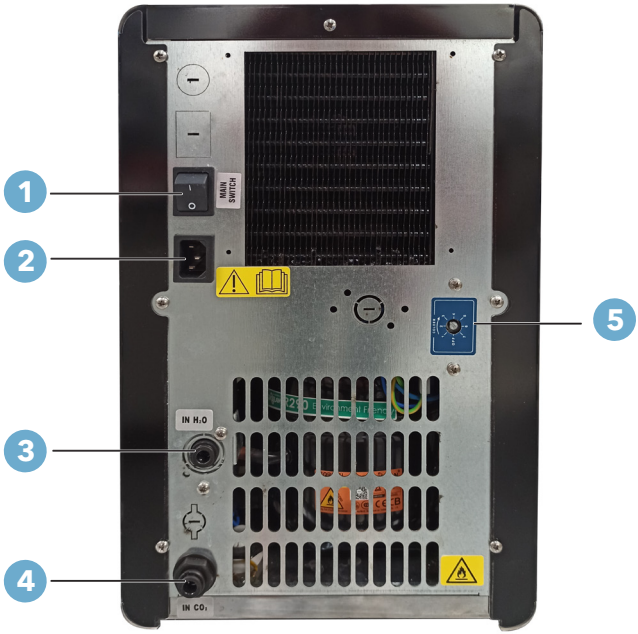
1 ABS illuminated buttons

2 Drip tray with grid

3 Detachable water dispensing nozzle

** photo for example purposes.*

Rear view - Mod. Rebel 30



1 Power button

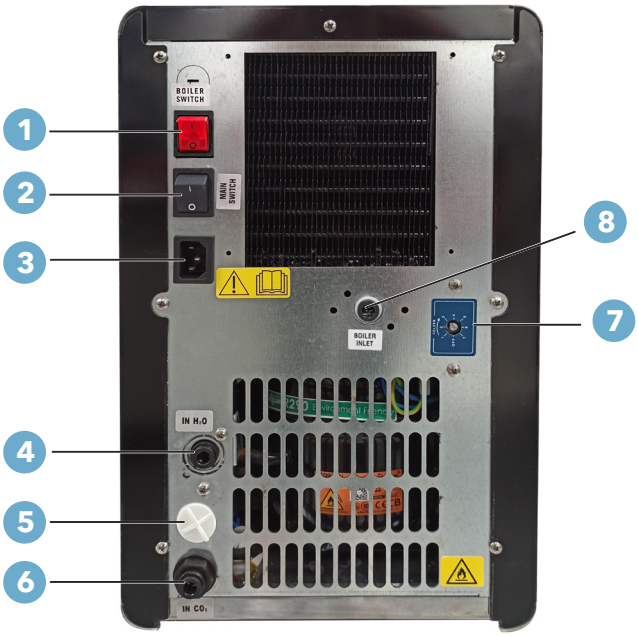
2 IEC outlet power cord

3 Drinking water inlet pipe joint Ø8mm (5/16")

4 CO_2 inlet pipe joint Ø8mm (5/16")

5 Adjustable cooler thermostat

Rear view - Mod. Rebel Super Hot 30 Fizz



1 Boiler switch

2 Power button

3 IEC power cord plug

4 Drinking water inlet pipe joint Ø8mm (5/16")

5 Boiler drain plug

6 CO_2 inlet pipe joint Ø8mm (5/16")

7 Adjustable cooler thermostat

8 Hot water inlet pipe joint Ø8mm (5/16")

Description of the keypad - Mod. Rebel 30 e Vol

P.1 Cold still water button

P.2 Room temperature water button

NOTE: *in the volumetric models it is possible to perform short dispensing by pressing any button for < 2 sec. For the long dispensing, simply hold down the button until it starts automatically.*

Description of the keypad - Mod. Rebel 30 Fizz and Fizz Vol

P.1 Sparkling water button

P.2 Cold still water buttona

P.3 Cold mix water button

P.4 Room temperature water button

NOTE: *in the volumetric models it is possible to perform short dispensing by pressing any button for < 2 sec. For the long dispensing, simply hold down the button until it starts automatically.*

Description of the keypad - Mod. Rebel Super Hot 30

P.1 Cold still water button

P.2 Hot water safety button

P.3 Room temperature water button

P.4 Hot water button

For safety reasons, to dispense hot water hold down buttons P.2 and P.4 at the same time.

Description of the keypad - Mod. Rebel Super Hot 30 Fizz

P.1 Sparkling water button

P.2 Room temperature water button

P.3 Cold still water button

P.4 Hot water button

For safety reasons, to dispense hot water hold down buttons P.2 and P.4 at the same time.

Functions of the volumetric keypad

The water cooler (mod. Vol and Fizz Vol) is equipped with a volumetric dispensing system. The dispensing quantities are easily programmable, at the time of installation they must be reprogrammed, and it is possible to set two doses for each button.

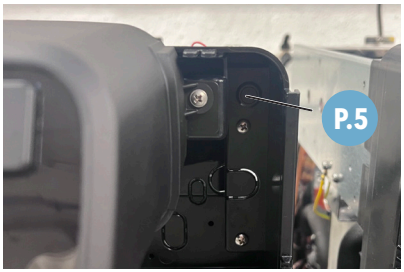
On turning on the unit, the default settings are as follows (which may vary depending on the input pressures):

- a short pressure of the buttons dispense 200 ml of water (a cupful)
- a long pressure of the buttons dispense 1000 ml (1 litre).

You can stop the dispensing process at any time by pressing the button again.

Setting the quantities

Thanks to the Volumetric dispensing functionality, you can customize the pre-set quantities dispensed by each of the 2/4 buttons. Press the button BRIEFLY for the short dispensing of water and press the same button for a LONG time (≥ 2 sec.) for long dispensing. The default settings are 200 cc for a short pressure and 1000 cc (1 litre) for a long pressure.



To enter the programming mode, press and hold (for > 4 seconds) the P.5 key (doses setting). Entering of the programming phase is signalled by the buttons continuously flashing.

To set the maximum dispensing limit for a specific button, press the button in question to start the dispensing process (the button LED turns off) and press it again once you have reached the desired quantity. To set the short dose, press the button briefly; to set the long dose, press it until dispensing begins. Repeat the process for the remaining buttons.

To exit from the programming mode, press and hold (for > 4 seconds) the P.5 key, save the data and set the new limits.

The maximum settable quantity for each button is around 3,0 litres, which equates to a 60-second dispensing session.

Operation

Water dispensing is activated by holding down the key; for the volumetric version (Vol and Fizz Vol model), refer to the Previous paragraph.

Hot water supply

Super Hot, Super Hot Fizz models: for safety reasons, to dispense hot water, press the P.4 key (hot water) and then the P.2 key (ambient water on Super Hot Fizz model or hot water safety on Super Hot model), holding them down at the same time. If only the P.4 key is pressed, the P.2 key flashes as a reminder to also press this key.

NOTE: *Default set point for Hot Water is 96°C +/-2% (204°F +/-2%). The P.1 button flashes slowly until the set point is reached and it remains on steady once the set point is reached. Do not dispense hot water intermittently, but keep the buttons pressed until the glass is full. While the P.2 and P.4 buttons flash simultaneously, it is not possible to dispense hot water. Only when button P.2 remains lit steadily can hot water be dispensed. In the first 30 sec. from the start of the machine it is not possible to dispense hot water.*

Alarms and warnings

No water alarm

Fizz, Super Hot Fizz, Fizz Vol models: the alarm is activated in case of lack of water. In this case, the sparkling water button P.1 switches off and the water dispenser stops working. The other dispensers continue to work as normal. To re-set the alarm, turn the unit off and back on, after having checked and resolved the reason for the lack of water.

Boiler temperature probe fault

Super Hot, Super Hot Fizz models: If the temperature probe is disconnected or faulty, buttons P.2 and P.4 start to flash alternately, the boiler is switched off and the hot water supply is interrupted. To reset the alarm, reboot the unit after repairing the fault.

Boiler Fault

Super Hot, Super Hot Fizz models: if the water in the boiler does not reach the set temperature, the HOT (P.4) button is turned off and boiler functionality is blocked. All dispensing operations remain enabled. To re-set the alarm, re-start the unit after checking that the boiler switch is on (see page 24) and that there are no other boiler malfunctions.

Overheating of the boiler

Super Hot, Super Hot Fizz models: if the temperature increases too rapidly, the boiler is turned off, the HOT (P.4) button is turned off and button P2 flashes. No dispensing operations are blocked. For safety reasons, the alarm stays on until the boiler temperature falls below the safety limit. To re-set the alarm, re-start the unit once the temperature has decreased sufficiently.

Always check that the boiler is full of water.

Min level error

Super Hot, Super Hot Fizz models: if the minimum level is not reached within a parameterised period of time, the HOT button (P.4) emits 1 pulse at regular intervals every 3 seconds.

Max level error

Super Hot, Super Hot Fizz models: if the maximum level is not reached within a parameterised period of time, the HOT button (P.4) emits 2 pulses at regular intervals every 3 seconds.

Probe reading anomaly error

Super Hot and Super Hot Fizz models: if the electronics sense that the maximum level is covered and the minimum level is uncovered, the HOT button (P.4) emits 3 pulses at regular intervals every 3 seconds.

Hot water dispensing pump error

Super Hot, Super Hot Fizz models: if the water does not fall below the maximum level within 20 seconds, with the pump running, the HOT button (P.4) emits 4 pulses at regular intervals every 3 seconds.

Hot water not at temperature error

Super Hot and Super Hot Fizz models: if the water inside the boiler does not reach the pre-set temperature threshold, the HOT button (P.4) emits rapid and regular pulses.

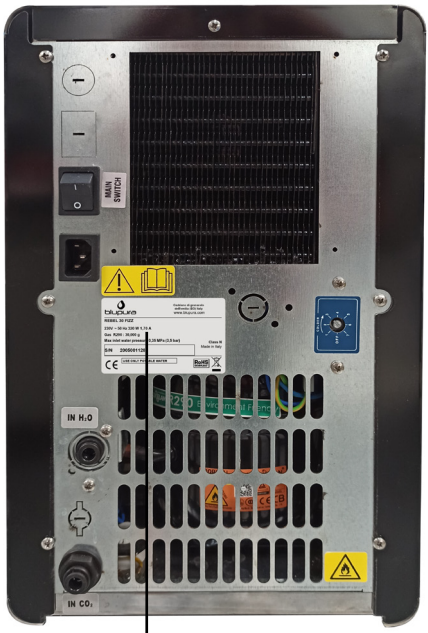
Boiler descaling warning

Super Hot, Super Hot Fizz models: the machine is equipped with a descaling warning function. The light signal occurs after hot water is dispensed. The HOT and AMBIENT/ SAFETY (P.2 and P.4) keys start flashing together for 10 seconds.

The signal does not cause the supply to stop. By default the warning is set to 3 months.

Descaling reset is carried out by holding the HOT (P4) key down for 5 seconds when starting the machine. At the end, the signalling LEDs flash twice and, when the button is released, another two flashes occur to indicate that the descaling timer has been reset.

Technical Features – Technical Data Plate



blupura

Cadriano di granarolo
dell'emilia (BO) Italy
www.blupura.com

REBEL 30 FIZZ

230V ~ 50 Hz 320 W 1,70 A

Gas R290 : 30,000 g

Max inlet water pressure 0,35 MPa (3,5 bar)

Class N
Made in Italy

S/N 2005001128

CE

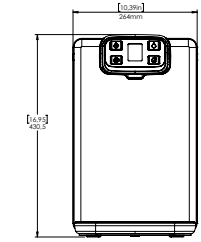
USE ONLY POTABLE WATER

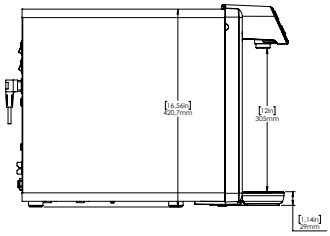
RoHS COMPLIANT

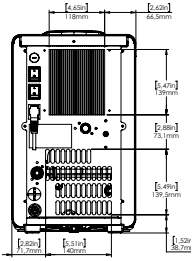
20 Year of manufacture
05 Month of manufacture
01128 Serial number

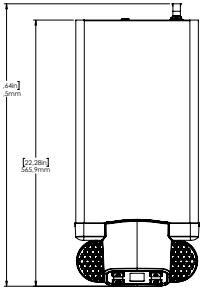
Technical Features - dimensions

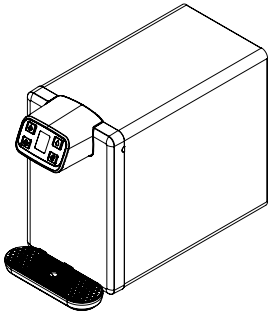
[mod. Rebel 30]











Technical Data Sheet	Rebel 30 Fizz	Rebel Super Hot 30 Fizz
Cooling capacity	30 lt/h	
Cold water temperature *	5 - 12°C	
Cooling technology	Single coil ice bank	
Cold Water Coil	Stainless Steel AISI 316	
Hot water temperature	-	96°C +/-2% (204°F +/-2%)
Hot water tank capacity	-	1 Lt
Heater Wattage	-	1000 W
Pump	Professional membrane carbonation pump	
Condensation	Ventilated	
Adjustable Thermostat	Yes	
Refrigerant gas	R290	
Supply	230 V - 50 Hz	
Power	1/8 HP	
Absorbed power	320 W	1320 W
Max absorption	1,7 A	6 A
Inlet water pipe	Ø 8 mm (5/16")	
Inlet hot water pipe	-	Ø 8 mm (5/16")
Inlet CO_2 pipe	Ø 8 mm (5/16")	
Dispensing area height	310 mm	
Working room temperature	Min 16°C - Max 32°C	
Dimensions LxDxH (mm)	264x576x430	
Packaging dimensions LxDxH (mm)	350x684x500	
Net weight (kg)	23,3	24,8
Gross weight (kg)	25,5	27

* 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

Remove the machine from the box and remove the inner packing. The packaging can be easily moved by the handles on the two sides of the box.

Once you have unpacked the unit, ensure that it is not damaged. You must inform the reseller about any damages as soon as possible after delivery.

If the unit has been shipped horizontally or at an angle, it will be necessary to wait at least 8 hours before setting it up, in order to allow the cooling circuit to reset itself.

Fig. 21.1

ATTENTION: *Ensure that the unit is installed and connected to the main supply by a qualified technician in compliance with the manufacturer's instructions and the local safety guidelines.*

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.

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. Do not place on inclined surfaces.

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

ATTENTION: *When positioning the appliance, make sure the power cord is not trapped or damaged.*

ATTENTION: *flammable material. The appliance contains flammable refrigerant gas.*

SANITIZE the machine as described in the paragraph on page 33.

Filling the Ice Bank

Pour drinking water into the ice bank through the 8mm joint located in the front of the machine (1). Check the level (2). Finish filling the ice bank when the MAX marking next to the level tube is reached (3). 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. 21.2

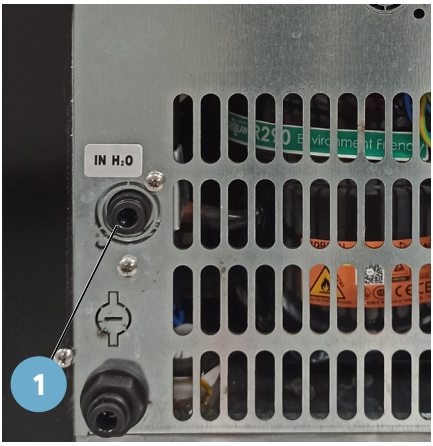


Fig.22.1

Fig. 22.2

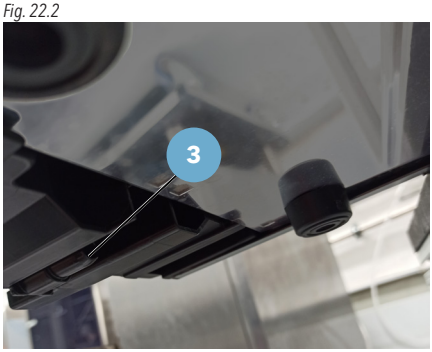


Fig. 22.3

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 2,0 bar (0.20 MPa) and a maximum of 3,5 bar (0.35 MPa).

To enhance the quality of the sparkling water dispensed, an incoming flow rate in excess of 3.5 l/min is recommended.

Connect incoming water tube (1) to the drinking-water main, ideally with a tap upstream of the unit.

It is possible to connect the tray (2), supplied closed, to a drain pipe, making a hole in it with a drill with a tip with a maximum diameter of 7mm (Fig. 24.2) and inserting a pipe on the 10 mm internal diameter drain fitting (3) positioned under the machine.

The unit is equipped with a safety valve and a not-return valve.

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.

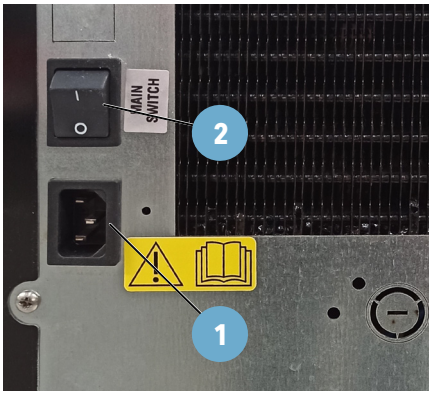


Fig.23.1

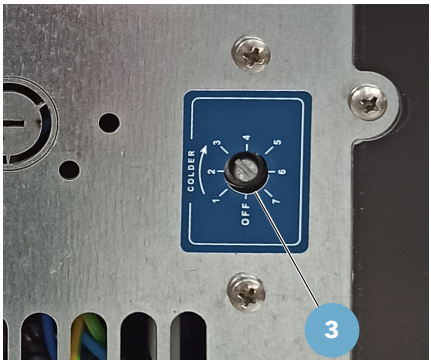


Fig. 23.2

Electrical connection

The connections must comply with local regulations.

The grounding of the unit is a legal requirement.

Connect the power cord to the IEC inlet (1) and to a socket.

Position the electrical socket so that the appliance can be disconnected from the mains after installation.

Turn the unit on by selecting the “I” position on the main on/off rocker switch (2). The compressor and fan are now activated. On the Fizz models, the carbonator pump is also activated.

Press the “Sparkling Water” button (3) 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.

The appliance is to be supplied through a residential current device (RCD) having a rated residual operating current not exceeding 30 mA.

Chiller Thermostat

The adjustable chiller thermostat has a scale from 1 to 7, where 7 represents the value that can be set to have the coldest water.

The thermostat (3) is set in the medium position (5) to control the temperature of the ice bank.

If you want to avoid the formation of ice in the water circuit, 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.

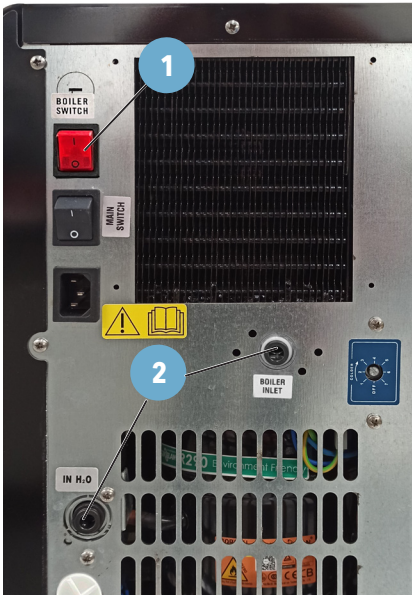


Fig.24.1

Turning on the boiler

The boiler can be turned off by a mechanical switch-type push button (1).

Never turn on the boiler unless you have filled the machine with water.

Never turn on the boiler when the inlet water (3) is disconnected.

Connect inlet water bulkhead (2) to the water main.

Deliver water from both outlets, cold and hot, to let out the air from the circuit and fill it with water.

Switch on the boiler switch (1).

NOTE: *The boiler contain about 1 liter of water.*

CAUTION!

Hot water reaches 96°C +/-2%. Keep children away. Hot, boiling water and steam will scald if spilled on skin.

Do not touch the dispensing nozzle to avoid burns.

WARNINGS (only for the SUPER HOT models): The hot water set point is factory set at 96°C. As the evaporation point of hot water can vary based on the altitude at which the machine is installed, if steam is seen coming out of the spout, without hot water being supplied, it is necessary to lower the set point of the hot water thermostat. For this type of intervention and to receive operating instructions, contact the Blupura Customer Service.

To ensure proper operation and avoid damage to the installation, proceed to a periodic decalcification of the machine. It is recommended to decalcify the hot water system at least 2 times a year with a specific product suitable for plastic materials and light alloys and rinse thoroughly. More guidance on how to perform the descaling procedure will be provided in the **Descaling** *section on page 35.*

Fig.25.2

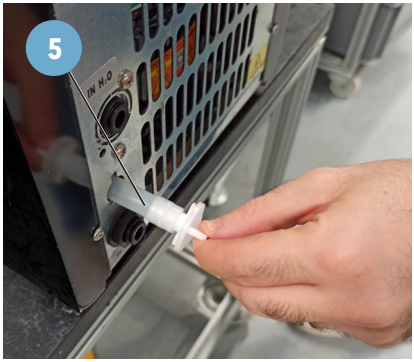


Fig.25.3

Drain plug

The boiler is equipped with a drain plug to facilitate cleaning operations. Turn the plug (4) and extract it from its seat (5).

Remove the plug from the pipe to empty the boiler, paying attention to the water temperature which may be very high.

Installation of the CO_2 cylinder

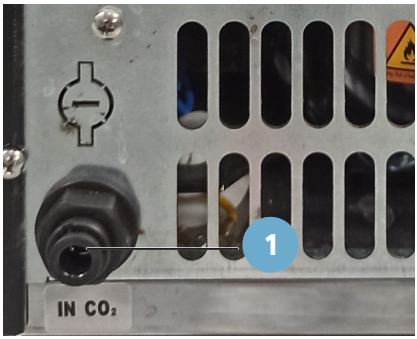


Fig.26.1

Fig.26.2

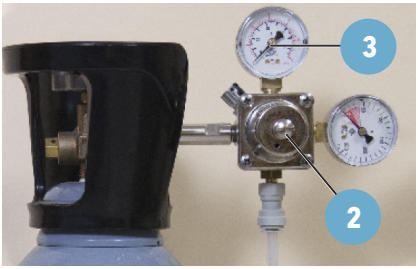


Fig.26.3

Once the unit is connected to the mains water and electricity, you can install the E290 food-grade carbon dioxide (CO_2) cylinder.

On request, a CO_2 pressure reducer with its cylinder to assemble outside the machine can be supplied.

For the Fizz version it is possible to assemble the CO_2 cylinder inside the front compartment.

If the cylinder is assembled externally, the hose must be connected to the fitting (1). If, however, the cylinder is assembled inside the compartment, it is not necessary to connect the hose to the fitting (1). To be sure to remove any air in the hydraulic circuit and to achieve a good level of carbonation, before opening the faucet on the CO_2 cylinder pull the ring of the remote safety valve until water comes out of it.

Do not tamper with or unscrew the safety valve during the emptying operation. Once the ring is released, check that the valve has closed properly and that there are no leaks from it.

When the cylinder is open, to increase or decrease the level of carbonation of the water, you need to adjust the screw (2) on the pressure reducer. Turning it clockwise increases the level of carbonation. We recommend that you do not exceed 4 bar of pressure (3).

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.

⚠ CAUTION!

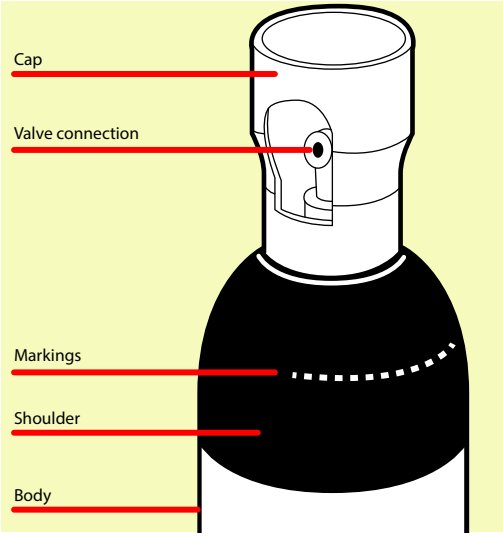
The CO_2 inlet pressure to the machine must be set at 3.5-4 bar and to obtain optimal carbonation it must be 1 bar higher than the water inlet pressure to the system.

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 CO_2 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)

Fig.28.1

Fig.28.2

Blutron Filters

Upon request, the machine can be equipped with a Blutron filter.

Blupura presents its line of high-performance made in Italy filter cartridges.

Five types of filtration to satisfy every specific need related to mains water:

- Shield
- Ultra
- Ionic
- Micro
- Block

The nominal filtration capacity goes from a minimum of 5 micron up to 0.1 micron, reaching the ultra-filtration level.

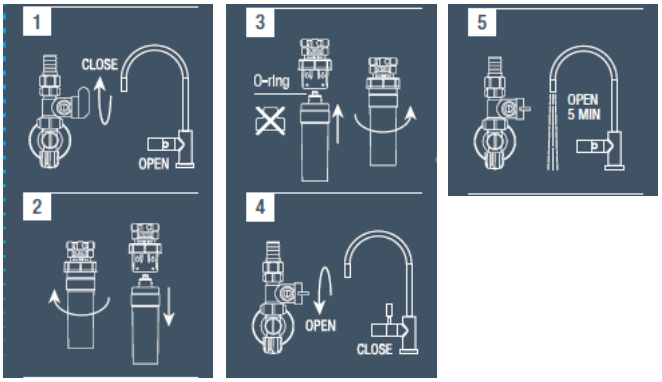
The Blupura CarbonBlock is the fundamental component of every filter. It is made with the best plant-based activated carbons of European origin, which are selected and extruded creating a unique and compact filtration "block". The production process is controlled, from the incoming charcoal to the final organoleptic and microscopic tests, to guarantee a high quality product with consistent performance.

The Blutron Filters reduce the content of chlorine, organic compounds and any unpleasant odours and flavours from drinking water.

When dealing with Hot water, Blupura water dispenser can be equipped with Blutron Ionic, that, through the use of buffered weak cationic resin, reduce the water temporary hardness and preserves the boiler from limescale.

CAUTION: *When first installing, follow the instructions on the filter label. It is advisable to replace the filter cartridge either at the end of its nominal autonomy or in case of reduced water outlet flow, and in any case within 1 year of installation.*

Cartridge replacement instructions



Sterilization (optional)

Fig.30.1

Fig.30.2

Sterilizing UVC Led

Alongside the carbon filter, it is also possible to have your water cooler fitted with a UV-C Led Out 4W (λ=254 nm) sterilizing filter on the dispensing point to avoid backflow contamination.

The LED turns on cyclically every 5 minutes and stays on for 1 minute.

The UV-C light emitted by the special 4W led is lethal for all microorganisms (bacteria, viruses, mould, algae, etc.); for this reason, water treated with the UV-C sterilizer will be microbiologically pure.

TECHNICAL PROFILE

- Material AISI 304 and quartz tube
- Power rating 24vac
- Power consumption 4Wh
- Maximum capacity of the lamp 8000 h.

Blufire® Sterilizer

As an alternative to the UVC LED steriliser, it is possible to install the Blufire® at the water outlet point, a thermal spout that sanitises the last part of the water supply circuit by cyclically heating the spout to a temperature of 100°C for 30 minutes.

TECHNICAL SPECIFICATIONS

- AISI 316 and food polycarbonate material
- Rated power 24 Vac
- Electrical consumption 2 Wh

The Blufire® can be replaced with the machine off by disconnecting the connector that attaches it to the electronic board.

Fig.31.1

Fig.31.2

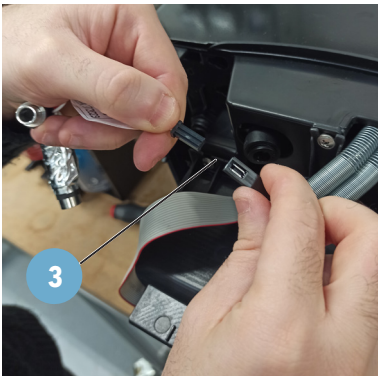


Fig.31.3

Replacement of UVC Led Out lamp

The replacement can only be performed by qualified personnel.

Disconnect the unit from its electrical source.

Once the unit is turned off, remove the tray and front panel (1). Then, loosen the two screws on the sides of the keypad (2) to remove the entire front panel.

Disconnect the electrical connector of the UV OUT lamp (3) and that of the keypad (4).

Rotate and remove the dispensing spout (5, page 31).

Slightly loosen the two screws that support the outlet solenoid valve (6, page 31).

Pull the lamp (7, page 31) away from the support, handling it with care.

Insert the new lamp and reconnect the connector – handling it carefully.

NOTE: *For the replacement of UVC Led Out pipe it's not necessary to turn the water off. To improve extraction of the light, loosen the solenoid valve screws.*

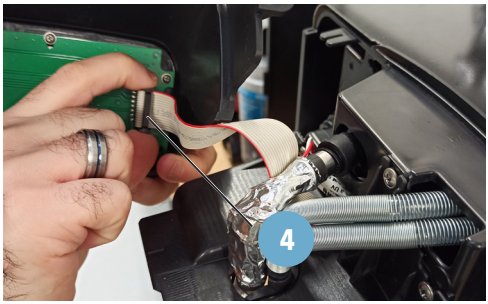


Fig.31.4

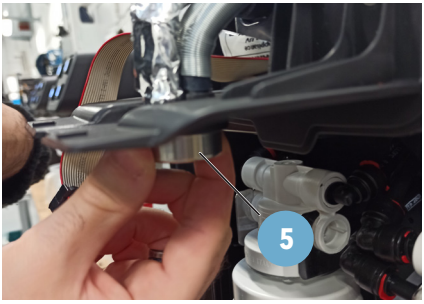


Fig.32.1

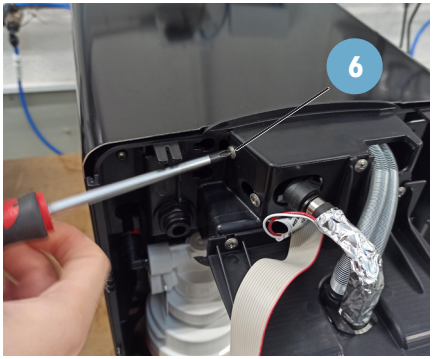


Fig.32.2

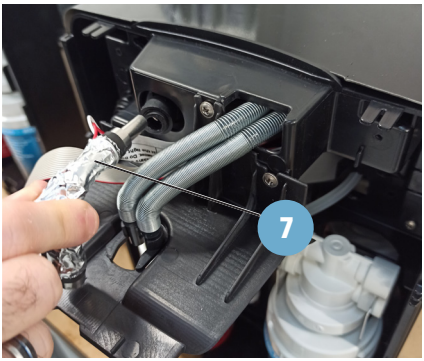


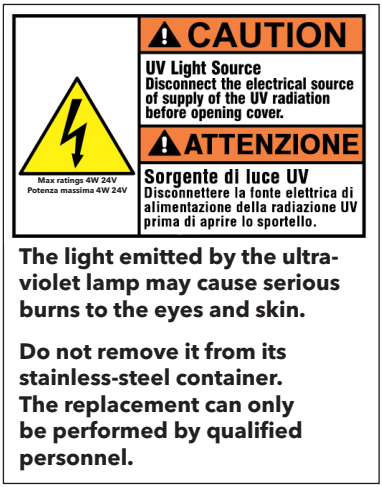
Fig.32.3

Important safety instructions

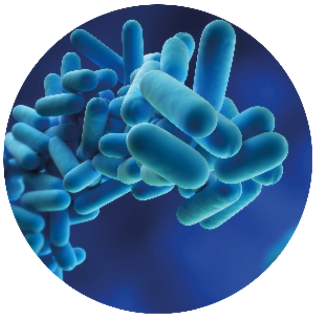
Unintended use of the appliance or damage to the housing may result in the escape of dangerous UV-C radiation. UV-C radiation may, even in little doses cause harm to the eyes and skin. Appliances that are obviously damaged must not be operated.

Disposal of used UV OUT lamps

The UV lamps are subject to WEEE Directive 2012/19/UE. This allows the disposal of the lamps at a local waste management site. This way of disposing is completely identical to the disposal of neon lamps or energy-savings lamps. These lamps are nevertheless registered under the same conditions as the disinfection lamps.



Sanitization – Notes



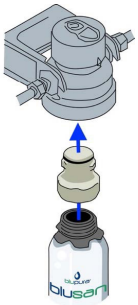
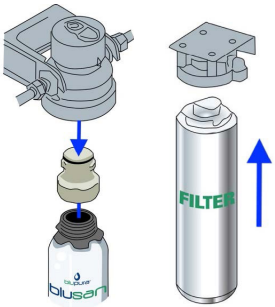
The unit should be sanitized at first installation, or when the hydraulic components are being replaced, or when the filter is being changed, or in any case at least once a year.

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.

Cleaning- and disinfection cartridge for water dispenser

- perfect hygiene, developed for water dispenser
- pH-neutral and gentle on materials
- simple and safe unit cleaning

1	**DISMOUNT FILTER** Loosen the lock of the filter head and remove the filter.	
2	**DISINFECT HANDS** Place the enclosed spray head on the can and disinfect your hands or wear disposable gloves.	

3	**MOUNT CARTRIDGE** Snap the adapter into the QL2B/QL3B Everpure filter head, then screw in the blupura®blusan cartridge.	
4	**CLEANING AND DISINFECTION** Dispense one after the other: • Room temperature water: approx. 2 sec. • Cold still water: approx. 10 sec. • Sparkling water: approx. 30 sec. **Always check with the chlorine test strip. Contact time: 30 min.**	 
5	**REMOUNT FILTER** Loosen the blupura®blusan cartridge, remove the adapter, then insert a new filter. **Spray the filter head.**	
6	**RINSING** Rinse one after the other: • Room temperature water: approx. 1 min. • Cold still water: approx. 3 min. • Sparkling water: approx. 6 min.	

7	**DISPENSING AREA CLEANSING** Spray the nozzles, back wall and drip tray with blupura®blusan. **Don't wipe again the nozzles. Dry the surfaces with a disposable cloth.**	
8	**RECOMMISSIONING** Function control: Draw small amount of water from each tap and check the taste. **Document the cleaning.**	

*** Photos for illustration purposes only.**

Descaling

It is mandatory to install a descaling system to protect the boiler (SOFTENER OR LIMESCALE INIBITOR) and to carry out periodic replacement at the end of the filtration capacity, taking into consideration the quality of the incoming water and the manufacturer's instructions.

It is mandatory to decalcify the hot system at least 2 times a year to guarantee the operation of the boiler.

Routine maintenance operations

Customer Service & Technical Dept.

All the operations must be carried out exclusively by qualified technical personnel.

It is recommended to use suitable gloves to perform mechanical operations.

It is advisable to use hygienic gloves to perform interventions on the hydraulic system.

Following maintenance operation must be done by qualified technical personnel

WHAT	WHEN	HOW
Sanitization of the system	1) At first installation 2) Any time a hydraulic component is replaced 3) Any time a filter cartridge is changed 4) At least once per year	Sanitization of the complete hydraulic circuit following the Blupura BLUSAN procedure
Replacement of consumables	Depending on the filtration capacity and once per year at least	After the sanitation, replace the cartridge following the instruction manual provided by the water filter supplier
Cleaning and control of internal parts	Every 6 months	Control and eventually remove accumulation of dust, sand or similar, with a disposable cloth or a vacuum.
Cleaning of Refrigeration condenser	Every 6 months	Remove dust from the refrigeration condenser with a plastic brush
Water analysis	Every year	Check the bacteriological parameters to verify that the water's quality complies with current regulations
Hot water system descaling	Depending on the hardness of inlet water and at least twice per year.	Provide the descaling of the hot water system.

Following maintenance operation must be done by trained personnel

It is recommended to use hygienic gloves to perform cleaning operations

WHAT	WHEN	HOW
Cleaning of the external shell	Every Day	Clean by hand with a disposable towel and a product suitable for the stainless steel (e.g., anti-limescale)
Exit nozzle sanitation	Every Day	Use the BLUSAN (or equivalent) spray bottle to spray the disinfectant solution directly into the spout. Let the solution react for 1 minute, then rinse with potable water.
Flushing	In case of non-use of the system for over 48 hours	The End User shall flush at least half a liter of cold and half a liter of ambient water before getting drinking water.
Flushing	In case of non-use of the system for whatever reason for a period of less than two weeks	The End User shall flush at least 5 liters of cold and 5 liters of ambient water before getting drinking water.
Flushing	In case of non-use of the system for whatever reason for a period of over two weeks	The End User shall contact Blupura in order to arrange a sanitization as soon as possible before getting drinking water.
Stop the system	In case of lack of potable water	The End User shall immediately switch off the hot water switch button (red push button). Before switching back on the hot water switch button (red push button), the End User shall verify – only using the cold or ambient water line – that the water is restored to the System by flushing it.

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.

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