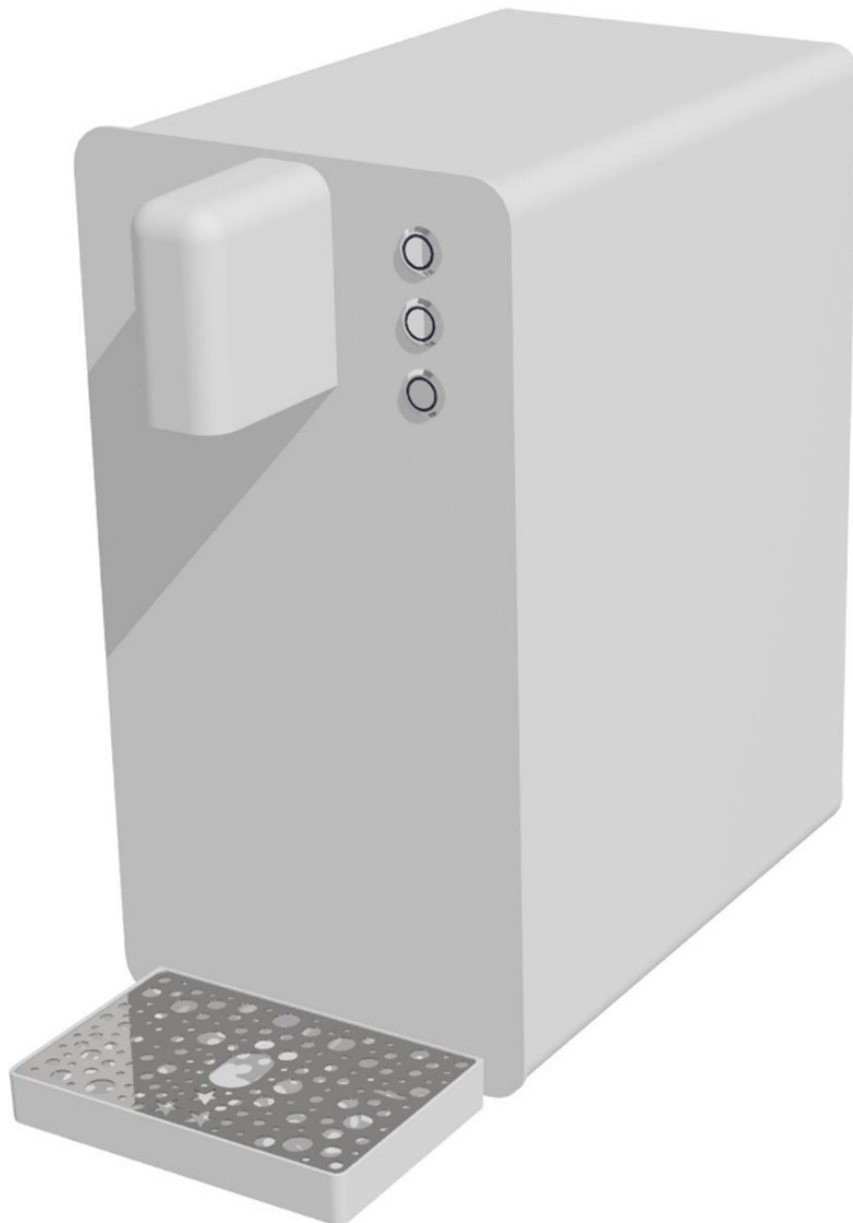


Instruction manual

Bubble Box Fizzy

1004939 - 1004948 EN

(Additional languages available online at www.rotarex.com)



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1 Safety

Read the instruction manual carefully before use.

The product described in this instruction manual is intended exclusively for trained specialists (over 18 years without reduced physical, sensory or mental capabilities) with experience in installation, maintenance and repair and specifically with the product described herein.

1.1 General understanding of safety

The product has been safely constructed and poses no danger if it is operated in a technically correct manner. Nevertheless, there are risks due to non-intended use that can be avoided by obeying the instructions in this instruction manual.

The non-compliance with the instruction manual can lead to accidents or personal injury, for which ROTAREX SOLUTIONS S.A. disclaims any and all liabilities.

Obey all instructions and warnings in this instruction manual when assembling, installing and operating this product.

1.2 Distributor obligations

The distributor of the product described herein must ensure the following:

- All warnings, instructions and product labels for end-users are in the responsibility of the distributor.
- Check whether the product is subject to European Regulations, Directives or other acts and, if necessary, whether it is marked accordingly (for example π or $\text{C}\epsilon$) and, if required, whether it is supplied with the declaration of conformity.
- Protection from unauthorized access.
- Compliance with European and national regulations.
- Awareness and comprehension of the product specifications of all affected personnel.
- Avoidance of non-intended use.
- When the product is installed, all warnings, instructions and product labels for the end-users are in the responsibility of the operator.

1.3 Symbols used and their meanings

The warnings are scaled according to the severity of the respective hazard using warning symbols and signal words. You can identify warnings by their color coding or by their upper and lower separator lines.

The following warnings are used within the text:

 DANGER	Indicates a hazardous situation which, if not avoided, will result in death or serious injury.
 WARNING	Indicates a hazardous situation which, if not avoided, could result in death or serious injury.
 CAUTION	Indicates a hazardous situation which, if not avoided, may result in minor or moderate injury.
NOTICE	Indicates useful tips and recommendations as well as information for efficient and trouble-free operation.

2 Intended use

The BubbleBox Fizzy is designed for guaranteed particle-free water for professional or semi-professional use.

The BubbleBox Fizzy is intended for indoor use only such as coffee shops, bars, restaurants, kiosks, shops, hotels, motels or other similar working environments.

Product repairs must only be performed by the manufacturer or with prior written consent of the manufacturer using only original spare parts.

The product is defined for the European market/countries according to European regulations and directives. For use in other countries ask for prior written agreement from ROTAREX SOLUTIONS S.A.

2.1 Non-intended use

 WARNING	Danger due to non-intended use or faulty operation. The non-intended or faulty use of the BubbleBox Fizzy poses a risk to the operator, the users, and to third parties which may lead to death or severe physical injury.
--	---

- The BubbleBox Fizzy must only be used for the intended use specified in chapter 2.
- Retrofits and modifications are prohibited.
- All guarantees/warranties are void in the event of non-intended use.

3 Functional description

The BubbleBox Fizzy is a countertop electric water dispenser for cooling and infusing CO₂ into the water. The BubbleBox Fizzy, delivers tempered still, still chilled and sparkling chilled water. The BubbleBox Fizzy starts after pushing the power switch to the position “ON”. About 20 minutes after switching on, the water has the right temperature to serve the first glasses. The BubbleBox Fizzy dispenses tempered still, still chilled, and sparkling chilled water when the appropriate control button is pressed (the pump runs only for sparkling water) and stops dispensing when the user releases the control button. The BubbleBox Fizzy allows to control the temperature settings on the back of the BubbleBox Fizzy.

 **DANGER**

The BubbleBox Fizzy must only be used in combination with an Aqua-Stop. The Aqua-Stop must be ordered separately, it is not included with the BubbleBox Fizzy. Refer to chapter 6.1.

3.1 Illustrations

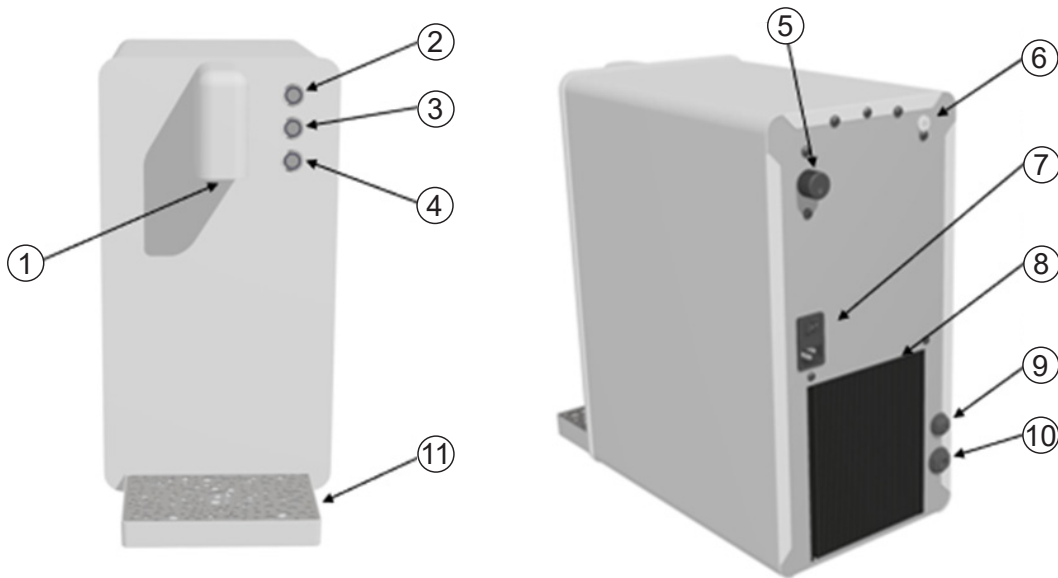


Figure 3.1.1 BubbleBox Fizzy

Legend			
①	Beverage outflow	⑦	Power switch
②	Control button for still tempered water	⑧	Ventilation
③	Control button for still chilled water	⑨	CO ₂ inlet connection (C)
④	Control button for sparkling chilled water	⑩	Water inlet connection (C)
⑤	Thermostat	⑪	Drip tray
⑥	Flow adjustment screw		

- Additionally, included in the scope of delivery (but not shown in figure 3.1.1):
- Power plug (US version article number 1004948 – EU version article number 1004939)

3.2 Marking

All BubbleBoxes Fizzy have the following marking:

XXXXXXX	Article number
	Logo of the manufacturer
YYYY	Year of production
CE	Approval symbol and approving organization
XXXXX	Serial number
V / Hz	Power supply
Press. Max	Inlet water pressure maximum
R290	Refrigerant
X	Climatic class

Individual and additional marking is also possible.

3.3 Variants

Article number	Power supply	Version
1004939	230 V / 50 Hz	EU
1004948	110 V / 60 Hz	US

4 Approvals

Article number	Approvals			
	EMC Directive	LVD Directive	Food Approval	NSF
1004939	X	X	X	---
1004939	X	X	X	---

5 Technical properties

Article number	1004939 (EU version)	1004948 (US version)
Water inlet connection (C)	Push-in connector 5/16"	Push-in connector 6 mm
Water inlet pressure	2 – 3,5 bar, target = 2,5 bar	30 – 50 psi, target = 36 psi
CO ₂ inlet connection	Push-in connector 6 mm	Push-in connector 6 mm
CO ₂ inlet pressure	5 bar (72,5 psi) static	101,5 psi (7 bar) static
Room temperature range	+4 °C to +30 °C	+39,2 °F to +86 °F
Operating medium	Water, CO ₂	Water, CO ₂
Electrical inlet connection	IEC 60230 female plug on the unit UE power plug	IEC 60230 female plug on the unit US power plug
Power supply	220-240 V / 50 Hz~1	110 V / 60 Hz~1
Wattage/ampere	220 W	220 W
Refrigerant	R 290, 50 g, climatic class: N	R 290, 50 g, climatic class: N
Refrigerant flowrate	30l/h for Δ +10 °C	30l/h for Δ +18 °F
Noise emission level	Cooling fan = 40 dB	Cooling fan = 40 dB
Dimensions (L x W x H) in mm	353 x 235 x 455	353 x 235 x 455
Flowrate	2 0/+0,2 LPM	0,53 0/+0,26 GPM
Dispense temperature range (adjustable with the thermostat)	+1 °C to +6 °C	+33,8 °F to +42,8 °F
Liquid volume in the dispenser	0,5 liters	0,13 gallons US

Materials • Tap • Refrigerant unit • Drip tray • Tubes	• Plastic • Stainless steel and plastic • Stainless steel and plastic • Plastic	• Plastic • Stainless steel and plastic • Stainless steel and plastic • Plastic
Weight	20 kg (empty)	20 kg (empty)

6 **Assembly instructions**



Before mounting the BubbleBox Fizzy, the following requirements must be met:

- The BubbleBox Fizzy must only be installed in frost-free and well ventilated rooms.
- Use suitable tools to avoid damage to the components during assembly.
- Obey all current food hygiene regulations, e.g. wearing appropriate protective gloves.
- Do not connect the BubbleBox Fizzy to the power supply until the end of the installation.



The circled numbers ① to ⑪ in the following chapters refer to figures 3.1.1 and 3.1.2.

6.1 **Necessary components for assembly (must be ordered separately)**



To connect the BubbleBox Fizzy to the CO₂ and water supply, additional components are required. These components must be ordered separately.



Figure 6.2.1.1 Components for assembly

A pressure reducer is required for connecting the BubbleBox Fizzy to the CO₂ supply. Depending on the size of the pressure cylinder of the CO₂ supply, ROTAREX SOLUTIONS S.A. offers a variety of pressure reducers for CO₂ and for the EU version an adapter 5/16" to 6 mm if the outlet connection (A) of the choosen pressure reducer is 5/16".

The tube is used for the connection of the water and CO₂ supply to the BubbleBox Fizzy. The tubes must be secured with safety clips.

The BubbleBox Fizzy must only be used with an Aqua-Stop. The Aqua-Stop is equipped with a safety mechanism that locks the water supply in the event of a leak.

6.2 Location

- (1) Unpack the BubbleBox Fizzy.

NOTICE

After unpacking, allow the BubbleBox Fizzy to stand for at least 2 hours so that it can adapt to the ambient temperature of the room.

During this time, however, you can make the necessary preparations for commissioning.

- (2) Place the BubbleBox Fizzy in a suitable location (refer to chapter 6.2.1).

6.2.1 BubbleBox Fizzy

- (1) Select a suitable location for the BubbleBox Fizzy.

⚠ DANGER

- The location of the BubbleBox Fizzy must be selected so that there is at least 3 cm distance to the top and on the right and left sides so as not to obstruct the air circulation of the BubbleBox Fizzy.
- The surface of the location must be horizontal, level, dry and clean.
- The location of the BubbleBox Fizzy must not be near a heat source
- The room temperature must be between +4 °C and +30 °C or +39,2 °F to +86 °F and the room must be well ventilated.
- The BubbleBox Fizzy is designed for use in an environment according to climatic class N. The BubbleBox Fizzy must be operated in a climatic class N environment.
- Risk of suffocation: when using the BubbleBox Fizzy with CO₂ pressure cylinders with a volume greater than 700 g, the room in which the BubbleBox Fizzy is installed must be sufficiently ventilated.

6.2.2 CO₂ supply

- (1) Select a suitable location for the CO₂ supply.

⚠ DANGER

- Since the tube length for connecting the CO₂ supply to the BubbleBox Fizzy is 2 m, the CO₂ supply must be less than 2 m away from the BubbleBox Fizzy.
- If the building conditions are such that it is possible, the CO₂ supply can also be installed in another room, provided that connection to the BubbleBox Fizzy is still possible due to the tube length and if the tube can be replaced at any time.
- The CO₂ supply must be attached to a stable surface.
- Risk of suffocation: when using CO₂ pressure cylinders with a volume greater than 700 g, the room in which the CO₂ supply is installed must be sufficiently ventilated.
- The CO₂ supply must be placed in a ventilated area and temperature must not exceed +30 °C or +86 °F.
- The CO₂ supply must not be placed behind the BubbleBox Fizzy as the temperature in this area can increase until +60 °C or +140 °F. If the CO₂ supply heats up at more than +60 °C or +140 °F, the safety valve will open and releases all CO₂ into the room.

6.3 Connecting the tubes for the water and CO₂ supply to the BubbleBox Fizzy

- (1) Connect the tubes for water and CO₂ supply to the back of the BubbleBox Fizzy.

- (1) Make sure that the ends of the tubes are cut cleanly. The ends of the tubes must be cut straight to avoid leakage at the connections.



Figure 6.3.1 Right cutting of tubes

Figure 6.3.2 Wrong cutting of tubes

- (2) Make sure that the wall thickness at the ends of the tubes is equal. The difference in wall thickness must not exceed 0,1 mm.

NOTICE

If necessary, cut the ends of the tubes off evenly with our special tube cutter.

- (3) Push one end of the tube for CO₂ as far as it will go into the CO₂ inlet connection (9) at the back of the BubbleBox Fizzy.
- (4) Secure the tube for CO₂ with a safety clip.
- (5) Push one end of the tube for the water supply as far as it will go into the water inlet connection (C) (10) at the back of the BubbleBox Fizzy.
- (6) Secure the tube for the water supply with a safety clip.

CAUTION

Do not make kinks in the tube.
Route the tube so that it does not run over heat sources.

6.4 Connecting the BubbleBox Fizzy to the CO₂ supply

NOTICE

For CO₂ supply: Use only approved CO₂ pressure cylinders (food additive E 290).

- (1) Push the tube into the pressure reducer or only for the EU version into the adapter 5/16" to 6 mm, if the outlet connection (A) of the chosen pressure reducer is 5/16".
- (2) Secure the tube with a safety clip.
- (3) Connect the pressure reducer to the CO₂ supply.



Figure 6.4.1 Connection of the pressure reducer - small pressure cylinder (left) and big pressure cylinder (right)

- (4) If the pressure reducer is adjustable, set the CO₂ pressure at 6,4 bar.

CAUTION

- Secure the CO₂ pressure cylinder to a stable structure to prevent it from falling.
- Do not make kinks in the tube.
- Route the tube so that it does not run over heat sources.

DANGER

Risk of suffocation: when using the BubbleBox Fizzy with CO₂ pressure cylinders with a volume greater than 700 g, the room in which the BubbleBox Fizzy is installed must be sufficiently ventilated.

6.5 Connecting the BubbleBox Fizzy to the water supply using the Aqua-Stop

The BubbleBox Fizzy must only be used in combination with an Aqua-Stop. The following installation instructions apply exclusively to the use of the Aqua-Stop recommended by us, article number 1001624.

NOTICE

If an intervention into the water supply system of the building is required to operate the BubbleBox Fizzy, qualified personnel, that has been approved according to local regulations, must be consulted. For further information contact your local water supplier.

DANGER

The water pressure for commissioning the BubbleBox Fizzy must be at least 2 bar or 30 psi. If the water pressure is more than 5 bar or 72,5 psi, a pressure regulator must be installed.

- (1) Attach a straight fitting 3/8" to the tube and secure the tube for water with a safety clip.
- (2) Turn off the stop valve of the water supply. If no stop valve exists, close the stop valve of the main water supply. To check whether the correct stop valve is closed, open the tap at the sink. If no water flows, the correct stop valve is closed.
- (3) Disconnect the high pressure hose of the cold water supply from the stop valve.

- (4) Put the particle filter, included in the delivery of the Aqua-Stop, together with a flat gasket between the thread of the Aqua-Stop and the straight fitting 3/8" of the tube and tighten them.
- (1) Screw a straight fitting 3/8" with particle filter to the Aqua-Stop connection.



Figure 6.5.1 Straight fitting 3/8" with particle filter and Aqua-Stop connection

- (5) Screw a T-fitting with a flat gasket into the Aqua-Stop connection.
- (6) Screw the T-fitting with a flat gasket to the stop valve and to the hose (water faucet) of the cold water supply.



Figure 6.5.2 Connection cold water supply

- (7) Open the battery cover of the Aqua-Stop and insert the 9 V DC alkaline battery. An automatic self-test starts after inserting the battery: an audio signal sounds and the LED indicators light up.
- (13) Press the button „check/reset“ on the Aqua-Stop for 4 seconds. The Aqua-Stop opens and a long audio signal can be heard.
- (14) Place the Aqua-Stop with its contacts facing downwards, on the floor as far as possible. The floor must not be electrically conductive. If the floor is electrically conductive, place a towel between the floor and the contacts of the Aqua-Stop. The Aqua-Stop is now ready for use. In case of a leakage, the Aqua-Stop closes and an audio signal will sound.
- (15) First open the stop valve and then open the cold water at the water faucet on the sink. Check all connections for tightness.
In case of a leakage, close the water faucet on the sink, the stop valve and check all connections and check if any flat gaskets are missing. Also check if all connections are properly tightened.
After repairing leakages, proceed as follows:
 - (1) Press the button „check/reset“ on the Aqua-Stop for 4 seconds. The Aqua-Stop opens and a long audio signal can be heard.
 - (2) First open the stop valve and then open the cold water at the water faucet on the sink again. Check all connections for tightness.
- (16) If there are no leakages, the Aqua-Stop is ready for use.

6.6 Connecting the BubbleBox Fizzy to the power supply

DANGER

Before connecting the BubbleBox Fizzy to the power supply, check the voltage and frequency values and check that your electrical installation has a circuit breaker of at least 16 A. The power plug of the BubbleBox Fizzy must only be plugged into a socket with FI protection.

NOTICE

If an intervention into the power supply system of the building is required to operate the BubbleBox Fizzy qualified personnel, that has been approved according to local regulations, must be consulted. For further information contact your local power supplier.

- (1) Make sure that the power switch ⑦ of the BubbleBox Fizzy is in the position “OFF”.
- (2) Connect the power plug to the socket with FI protection.

DANGER

Do not connect the power plug with wet or damp hands.

- (3) Check if the power plug is correctly inserted into the socket and that this socket is always accessible in the event of an emergency disconnection.

6.7 Commissioning of the BubbleBox Fizzy

WARNING

- 2 hours must have passed since unpacking and setting up the BubbleBox Fizzy in its place before the BubbleBox Fizzy is put into operation for the first time.
- Before switching on the BubbleBox Fizzy, make sure that the air circulation is not obstructed. Refer to chapter 6.1.1.

NOTICE

- Discard the first 0,2 liters tap water every day.
- We recommend to close the stop valve and the CO₂ supply, if the BubbleBox Fizzy is not used over a longer period of time (e.g. holidays). When re-using the BubbleBox Fizzy after a longer period of time, allow at least 10 litres of water to run through.

- (1) Place the drip tray ⑪ in front of the BubbleBox Fizzy. Refer to figure 3.1.1.
- (2) Place a glass on the drip tray ⑪ below the beverage outflow ①.
- (3) Open the CO₂ supply.
 - (1) Turn the power switch ⑦ in the position “ON”.
 - (2) Press the corresponding control button for still tempered water ②, still chilled water ③ or for sparkling chilled water ④ (refer to figure 3.1.1.)
- (4) Before the first use of the BubbleBox Fizzy, the entire system must be flushed thoroughly with tap water.

6.7.1 Flow adjustment

NOTICE

It is not recommended to modify the flow rate of the BubbleBox Fizzy, but if necessary, the flow rate of the BubbleBox Fizzy can be adjusted.

The BubbleBox Fizzy is factory set at a flow rate of 2 0/+0,2 liters water per minute (l/min). It is not recommended, but possible to modify the flow rate by turning the flow adjustment screw ⑥ at the back of the BubbleBox Fizzy by following these steps:

- (1) Measure the actual flow rate.
 - (1) Place a graduated jar (milliliters, ml) on the drip tray ⑪ below the beverage outflow ①.
 - (2) Press the control button for sparkling chilled water ④. Dispense sparkling water for 1 minute. If the jar is too small, dispense for 30 seconds and multiply the result by two, to get the flow rate in milliliters per minute (ml/min).
 - (3) Check if the target of 2000 ml/min (2 l/min) was dispensed.
- (2) Adjust the flow rate.
 - (1) To increase the flow rate, turn the flow adjustment screw ⑥ counterclockwise.
 - (2) To decrease the flow rate, turn the flow adjustment screw ⑥ clockwise.

NOTICE

The table below explains the behavior of the flow rate by turning the flow adjustment screw in 1/8 turns. Do not go below 1,9 l/min.

Turning direction	Flow adjustment screw	Flow (l/min)
Counterclockwise	-1/8 turn	2,50
Counterclockwise	-1/8 turn	2,45
Counterclockwise	-1/8 turn	2,40
Counterclockwise	-1/8 turn	2,35
Counterclockwise	-1/8 turn	2,27
Counterclockwise	-1/8 turn	2,15
None (factory set)	No turn	2,00 (target flow rate)

7 Maintenance and cleaning

NOTICE

ROTAREX SOLUTIONS S.A. will not assume any liability for damages caused by repairs, replacement, normal wear and tear or for damages occurring in the course of ongoing maintenance work.

The maintenance is in accordance with ISO 22434.

7.1 General maintenance instructions

Perform a visual inspection at least every 3 months.

- (1) Check the BubbleBox Fizzy and all connected components including the CO₂ pressure cylinder for damages, abrasion, corrosion and pollution.
- (2) Clean a polluted components .
- (3) A damaged, worn out or corroded component must be replaced immediately.

7.2 BubbleBox Fizzy

DANGER

- Do not clean the BubbleBox Fizzy by immersing it in water.
- Do not clean the housing of the BubbleBox Fizzy with a water jet. The maximum temperature for cleaning the housing with a soft damp cloth or soft damp sponge is +25 °C.

- (1) Clean the housing daily with a dry cloth. If this is not sufficient, you can also clean the housing with food-compatible natural agents such as baking powder or baking soda instead of chemical cleaners. Proceed as follows:
 - (1) Disconnect the BubbleBox Fizzy from the power supply.
 - (2) Put baking powder or baking soda either directly on a damp cloth or spread it on the dirty places and drizzle water on it.
 - (3) Then simply wipe the surface with a soft cloth or soft sponge.

7.3 Aqua-Stop

7.3.1 Particle filter

Clean the particle filter at regular intervals.

- (1) Close the stop valve. If there is no stop valve, close the main stop valve. To check whether you have closed the correct stop valve, open the water faucet on the sink. No water must flow.
- (2) Unscrew the straight fitting 3/8" with particle filter from the Aqua-Stop and remove the particle filter.
- (3) Clean the particle filter with clean water. If the contamination cannot be removed, replace the particle filter.

7.3.2 9 V DC alkaline battery Aqua-Stop

When the voltage of the 9 V DC alkaline battery, the Aqua-Stop does not close and an audio signal sounds and the red LED indicator „battery“ lights up. The battery must be replaced.

- (1) Remove the empty battery from the Aqua-Stop battery compartment. The empty battery must be disposed of properly.
- (2) Insert a new 9 V DC alkaline battery. Do not use rechargeable batteries. An automatic self-test starts after inserting the battery: an audio signal sounds and the LED indicators light up.
- (3) Press the button „check/reset“ on the Aqua-Stop for 4 seconds. The Aqua-Stop opens and a long audio signal can be heard.

- (4) Place the Aqua-Stop with its contacts facing downwards, on the floor as far as possible. The floor must not be electrically conductive. If the floor is electrically conductive, place a towel between the floor and the contacts of the Aqua-Stop. The Aqua-Stop is now ready for use. In case of a leakage, the Aqua-Stop closes and an audio signal will sound.

7.4 Replacing an empty CO₂ pressure cylinder

NOTICE

If you notice that the sparkling taste disappears after 2-3 glasses, the CO₂ pressure cylinder is empty and must be replaced.

- (1) Turn the power off by switching the power switch ⑦ of the BubbleBox Fizzy in the position "OFF".
- (2) Disconnect the BubbleBox Fizzy from the power supply for at least 30 seconds.
- (3) Unscrew the pressure reducer from the empty CO₂ pressure cylinder.
- (4) Check the tube of the CO₂ supply. Refer to chapter 7.5.
- (5) Install a new CO₂ pressure cylinder.

7.5 Tubes

NOTICE

Check the tubes every time when replacing a CO₂ pressure cylinder or when disconnecting the tubes from the water supply.

- (1) Make sure that the tubes are not routed over hot surfaces.
- (2) If you notice damage to one end of the tube, cut the damaged end straight to prevent leakage when the tube is reconnected.
- (3) A damaged, worn out, cut, kinked, corroded, polluted tube or a tube whose color has changed must be replaced immediately.
- (4) Refer to chapters 6.3 and 6.4 for replacing the tube of the CO₂ supply.
- (5) Refer to chapter 6.3 and 6.5 for replacing the tube of the water supply.

8 Operating conditions

To ensure proper function of the product throughout the complete operating life, the following normal operating conditions must be fulfilled:

- The product is only used in environments with a relative humidity of 20 % - 80 %.
- The product is only used within the prescribed temperature range according to chapter 5.
- The product is only used in non-corrosive environments and non-aggressive atmospheres.
- The product is not exposed to any vibrational load and vibration stresses.
- The general maintenance instructions according to chapter 7.1 are strictly observed.

If one or more of the requirements of normal operating conditions are not met, adjusted extended inspection and maintenance intervals have to be defined with ROTAREX SOLUTIONS S.A.

9 Disposal and recycling

The customer is responsible for the proper and environmentally compatible disposal of all waste arising in connection with the product.

At the end of its life, the product must be properly disposed of according to national recycling regulations.

9.1 Disposal of refrigerant R290



The BubbleBox Fizzy contains the refrigerant R290. According to the classification of DIN EN 378-1 Annex E, the refrigerant R290 belongs to the safety group A3. This means that the refrigerant R290 is classified as low toxic but has a high flammability.

- Approximately 2,1 vol. % ($\approx 39 \text{ g/m}^3$) lower explosion limit (LEL, LFL).
- About 9,5 vol. % ($\approx 177 \text{ g/m}^3$) upper explosion limit (OEG) .
- Approximately +470 °C self-ignition temperature.
- Molar mass 44 g/mol, heavier than air.

Compared to HFC refrigerants the influence of refrigerant R290 on global warming is very small. Therefore, discharging the refrigerant R290 into the atmosphere is the usual procedure to dispose of refrigerant R290. However, certain safety precautions must be taken to minimize the occurrence of an explosive atmosphere as far as possible.

- All electrical circuits must be disconnected from the BubbleBox Fizzy in order to exclude the danger of an electrical ignition source (ignition sparks).
- Lay the refrigerant R290 tube to the outside and fasten the end of the tube with a holding device. If necessary, the holding device and the end of the tube must be observed by a second person.
- When draining the refrigerant R290, be careful not to allow the refrigerant R290 to enter ventilation openings, light wells, door openings, floor flaps, garages or similar openings.
- First release the excess refrigerant R290 pressure (standstill pressure) safely.
- First flush the BubbleBox Fizzy with nitrogen and then seal it with nitrogen (protective filling).

This completes the disposal of the refrigerant R290.

10 Repairs

The following steps in addition to chapter 9.1 must be observed during repair.

- Connect the vacuum pump to the BubbleBox Fizzy and evacuate, then dismantle the pump.
- Solder out the part to be removed under nitrogen flushing and then remove it.
- Solder in the spare part under nitrogen flushing.
- Evacuate the repaired refrigerant R290 circuit using a vacuum pump.
- Fill the BubbleBox Fizzy with refrigerant R290 (observe manufacturer's instructions, filling quantity).
- Perform a leak test with a suitable leak detector.
- Put the BubbleBox Fizzy back into operation.

11 Malfunctioning

11.1 BubbleBox Fizzy

Malfunctions of the BubbleBox Fizzy can be caused by contaminations which enter the water supply from the CO₂ pressure cylinder or due to faulty assembly. It is therefore imperative to ensure that only clean CO₂ pressure cylinders are used.

Further possible malfunctions:

Type of malfunction	Possible cause	Remedy
The BubbleBox Fizzy is too noisy.	The BubbleBox Fizzy is in contact with a foreign object. An internal component has become disconnected.	Move the object that is touching the BubbleBox Fizzy so that it is not in contact with the cooler.
The BubbleBox Fizzy does not turn on.	Power cable is not plugged in.	Plug in the power cable. Check that the main switch is turned on.
	The main switch is off.	Turn on the main switch.
Not enough CO ₂ inside the water.	The CO ₂ pressure is too low.	Increase the CO ₂ pressure until the recommended setting of 6,4 bar is reached.
	The CO ₂ pressure cylinder is empty.	Replace the empty CO ₂ pressure cylinder
	The water flow is too low.	Adjust the water flow until the recommended setting of 2 l/min is reached.

Type of malfunction	Possible cause	Remedy
Too much CO₂ inside the water: Bursts of water when dispensing.	The CO ₂ pressure is too high.	Decrease the CO ₂ pressure until the recommended setting of 6,4 bar is reached.
	The water flow is too high.	Decrease the water flow until the recommended setting of 2 l/min is reached.
The chilled water is not cooled enough.	The air circulation is bad.	Check the BubbleBox Fizzy for obstructions. Refer to chapter 6.1.1
	Too much usage.	Wait a little longer between two glasses of chilled water.
	The BubbleBox Fizzy is overheated.	Place the BubbleBox Fizzy in a colder location.
The pump continues to run when the switches are released.	No water is coming from the water supply.	Check the water supply.
	Leakage in the water supply.	Check tubes for kinks and obstructions. Check the connections and safety clips.
The BubbleBox Fizzy does not dispense water.	No water is coming from the water supply.	Check the water supply.
	The water inside the cooler of the BubbleBox Fizzy is frozen.	Shut the BubbleBox Fizzy down for 20 minutes and then restart it.
The water flow is too low.	The water inside the cooler of the BubbleBox Fizzy is frozen.	Shut the BubbleBox Fizzy down for 20 minutes and then restart it.
	The pump does not work correctly.	Check if the pump makes noise when pushing on the control button for sparkling chilled water. If not, ontact your distribution partner.
	Leakage in the water supply.	Check tubes for kinks and obstructions. Check the connections and safety clips.
Sparkling tap water tastes bad.	Tap water is contaminated.	Install a pre-filter.
Carbonation does not work.	CO ₂ pressure cylinder is empty.	Replace the empty CO ₂ pressure cylinder with a filled CO ₂ pressure cylinder.
	CO ₂ pressure is too low.	Adjust the CO ₂ pressure at the pressure regulator of the CO ₂ supply until 6,4 bar.

If the BubbleBox Fizzy is still not working properly, contact your distribution partner. The distribution partner submits the claim to the manufacturer.

11.2 Malfunctioning Aqua-Stop battery powered

Malfunctions of the Aqua-Stop can result from faulty assembly.

Further possible malfunctions:

Type of malfunction	Possible cause	Remedy
Tap water does not flow.	Tap water supply interrupted.	Check the hoses for kinks. Open the stop valve. Open the Aqua-Stop by pressing the button „check/reset“ Check the flow direction. Check if there are particles in the lines.
Leakage of tap water.	Gaskets inadequate or straight fitting 3/8" with particle filter not properly mounted.	Close the stop valve and check all threaded connections. Check if all gaskets are present. Check, if the straight fitting 3/8" with particle filter is properly assembled.
Aqua-Stop LED indicator „battery“ lights .	Empty 9 V DC alkaline battery.	Replace the 9 V DC alkaline battery with a new 9 V DC alkaline battery. Attention: do not use rechargeable batteries.

If the Aqua-Stop is still not working properly, contact your distribution partner. The distribution partner submits the claim to the manufacturer.

12 Guarantee and warranty

For guarantee and warranty refer to our general terms and conditions.

This instruction manual is an integral part of the sales contract and is subject to our general terms and conditions.

13 Revision history PG.G.04.004

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-	-	Initial version.	2023/12/04	M. Maîtrejean