

COOLTOUCH

# USER MANUAL

## Contents

<b>1. Water dispenser safety instructions</b> .....	<b>3</b>
<b>2. Disposal instructions:</b> .....	<b>4</b>
2.1. Packaging disposal: .....	4
2.2. Water dispenser disposal:.....	4
<b>3. Water dispenser general information:</b> .....	<b>4</b>
<b>4. Water dispenser installation:</b> .....	<b>10</b>
4.1. Instructions for installation and connection to the power supply network:.....	10
4.2. Instructions for levelling the water dispenser .....	11
4.3. Instructions for connection of the water dispenser to the water supply system .....	12
4.4. Instructions for movement of the water dispenser.....	13
4.5. Start initialization of the water dispenser when power is turned on:.....	14
<b>5. Use and control of the water dispenser</b> .....	<b>15</b>
5.1. Water dispenser indication and control elements .....	15
5.2. Water dispenser operating modes .....	16
5.3. Selecting the water dispenser operating mode:.....	17
5.4. Water dispensing mode .....	18
5.4.1. Contact/contactless water intake .....	19
5.4.2. Hot water intake with the function of protection against accidental spillage of water.....	19
5.4.3. Hot water intake with the disabled function of protection against accidental spillage of water .....	19
5.4.4. Chilled water intake .....	19
5.4.5. Soda water intake .....	20
5.4.6. Room temperature water intake: .....	20
5.5. Power saving mode (“sleep” mode). .....	20
5.5.1. Smart power saving mode: .....	20
5.5.2. Scheduled power saving mode. ....	20
5.6. Dispensed water temperature setting mode:.....	22
<b>6. Description of water dispenser monitoring functions</b> .....	<b>25</b>
6.1. Hot water heater on indication.....	25
6.2. Sensor for consumer detection in front of the water dispenser .....	25
6.2.1. Full consumer detection mode. ....	25
6.2.2. Consumer detection mode only in the immediate vicinity of the water dispenser .....	26

6.2.3. User detection is disabled. ....	27
6.3. Monitoring the presence of CO <sub>2</sub> gas in the water dispenser .....	27
6.4. Monitoring the presence of water in the cold water tank .....	28
6.5. Monitoring the water level in the drip tray.....	29
6.6. Monitoring the hot water temperature in the water dispenser .....	29
6.7. Automatic monitoring the water dispenser health.....	30
6.8. Control of water cooling in the water dispenser:.....	31
6.9. Monitoring the use of the service life of water purification filters .....	31
<b>7. Water purification options .....</b>	<b>32</b>
7.1. Water purification filters .....	32
7.2. Sterilizing the cold water tank .....	33
<b>8. Care and maintenance of the water dispenser .....</b>	<b>34</b>
8.1. Types of sanitization of the water dispenser and their frequency. ....	34
8.2. Cleaning of the outer surfaces of the water dispenser: .....	34
8.2.1. Cleaning of the drip tray. ....	34
8.2.2. Cleaning of the refrigeration unit condenser of the water dispenser.....	35
8.2.3. Cleaning of the inner surface of the water dispenser. ....	35
8.3. Replacement of the CO <sub>2</sub> gas cylinder .....	35
8.4. Draining water from the water dispenser .....	35
<b>9. The occurrence of possible problems during the operation of the water dispenser and their elimination.....</b>	<b>36</b>
<b>10. Labelling and packaging of the water dispenser:.....</b>	<b>39</b>
10.1. Labelling of the water dispenser:.....	39
10.2. Packaging of the water dispenser .....	42
<b>11. Transportation and storage of the water dispenser .....</b>	<b>42</b>
<b>12. Service life of the water dispenser: .....</b>	<b>43</b>
<b>13. Manufacturer's warranty:.....</b>	<b>43</b>
13.1. Warranty terms .....	43
13.1.1. Certificate: .....	43
13.1.2. Transportation and storage .....	44
13.1.3. Installation and operation:.....	44
13.1.4. Repair .....	44
13.1.5. Responsibility .....	44
<b>14. Water dispenser delivery set: .....</b>	<b>44</b>
<b>Annex 1. Conventions used in the text of the instruction.....</b>	<b>45</b>
<b>Annex 2. List of regulatory documents used in the operating instruction. ....</b>	<b>46</b>
<b>Annex 3. Instruction for using the phone app.....</b>	<b>47</b>

## 1. Water dispenser safety instructions.

### WARNING!!!

To reduce the risk of fire, electric shock or injury when using your water dispenser, follow these basic steps:

Read all instructions before using the water dispenser.

Never clean the water dispenser with flammable liquids, vapours can create a fire or explosion hazard.

Do not store or use combustible or flammable liquids in the vicinity of this or any other device, vapours can create a fire or explosion hazard.

Do not connect the water dispenser to the power supply network until you make sure that the toggle switches for turning on the water dispenser and turning on the water heating are in the off position.

### **- SAVE THE INSTRUCTION -**

General safety instructions:

- The water dispenser is intended for use by adults. Do not let children switch water dispenser operating modes or play with it.
- Never open or disassemble the water dispenser by yourself. Electric shock and burns are possible. If necessary and in the event of malfunctions, contact an authorized service centre.
- The refrigeration unit of the water dispenser contains a small amount of environmentally friendly refrigerant R134A, make sure that the pipes of the circuit through which the refrigerant circulates are not damaged during transportation, installation or movement. Splashes of refrigerant that get outside may cause inflammation of the eyes or burns to the skin; in case of splashing in the eyes, immediately contact a medical facility for assistance.
- The water dispenser must be properly connected to the power supply network according to this instruction (see the section on connection to the power supply network).
- Once the water dispenser is installed on site, make sure that the power cord is not pinched anywhere.
- The power socket must be near the water dispenser, in an easily accessible place and not blocked by the device.
- Connect the water dispenser only to an individual socket, it is strictly forbidden to use splitters or power extension cords.
- Use the power plug to disconnect the water dispenser from the power supply network.
- Perform all manipulations with the water dispenser no earlier than 2 hours after disconnecting from the power supply network, after the hot water and parts of the device have cooled down. Danger of burns.
- When moving the water dispenser, be careful not to damage the refrigerant circuit and cause it to leak.
- Do not install the water dispenser near radiators or heat sources and do not install the device in a place exposed to direct sunlight for a long time.
- In order to avoid accidents, if the power cable is damaged, it must only be replaced by an authorized service centre.
- Before cleaning the water dispenser, turn off the device and remove the plug from the socket. Never pull on the power cord of the water dispenser, only grasp the plug.

- Never block the ventilation openings of the water dispenser.
- Never drain water into the drip tray from the tap to avoid burns from hot water splashes and water spillage. The drip tray is intended only for collecting residual water drops after dispensing.
- Do not dispense hot water into containers not designed for hot water. Risk of burns.
- Do not tilt the water dispenser filled with water more than 10 degrees to avoid water spillage and damage to the device.
- Replacement of the CO<sub>2</sub> cylinder and filters can be carried out by an authorized service centre or specially trained personnel.
- Before replacing the CO<sub>2</sub> cylinder and filters, the water dispenser must be disconnected from the power supply network and hot water must be drained. Risk of burns.
- Sanitization of the water dispenser must be carried out by an authorized service centre or specially trained personnel. Risk of damage to the water dispenser and burns.
- In the event of a malfunction of the water dispenser, always contact an authorized service centre, which is a guarantee of quality service and the installation of original spare parts.

## **2. Disposal instructions:**

### **2.1. Packaging disposal:**

The packaging protects the water dispenser from transport damage. All materials used as packaging are environmentally friendly and recyclable. Please do your part for the protection of the environment by handing over the packaging for environmentally friendly recycling.

#### **Warning:**

- The packaging material is not a toy for children! When playing with packing boxes and films, children can wrap themselves in them and suffocate.

### **2.2. Water dispenser disposal:**

The decision to discontinue operation and dispose of the water dispenser is made by the owner of the water dispenser.

Disposal must be carried out in accordance with the requirements of the national legislation of the countries where the water dispenser is operated.

This household appliance is labelled in accordance with the EU Directive 2012/19/EU on Waste Electrical and Electronic Equipment (WEEE). This document contains instructions regarding the rules for the acceptance and disposal of end-of-life equipment and devices in force within the EU.

The end-of-life water dispenser should not be treated as waste!

Thanks to environmentally friendly recycling, it is possible to obtain valuable raw materials from it.

## **3. Water dispenser general information:**

The water dispenser is designed for:

- Cooling of drinking water.
- Heating of drinking water.
- Carbonation of drinking chilled water.

The water dispenser is manufactured in UHL (temperate cold) climatic modification of category 4.2 according to GOST 15150-69 and is intended for installation and operation in

domestic premises at an ambient temperature of 10 to 35°C, at a relative humidity of not more than 80% at 25°C, atmospheric pressure of 84 to 106.7 kPa.

According to the requirements of GOST 30804.3.2-2013 and GOST 30804.3.3-2013, the device does not interfere with radio receiving during operation.

The refrigerant circuit has been checked for leaks.

This water dispenser meets the relevant requirements of the safety regulations for electrical appliances according to GOST IEC 60335-1-2015 and applies to:

- according to the type of protection against electric shock – class I;
- according to the degree of protection of the body – IP20 (IEC 60529);
- according to the operating mode and operating conditions – long, without supervision.

We reserve the right to make changes that do not affect the functioning of the water dispenser.

- When upgrading the water dispenser, these specifications are subject to change without notice to the consumer.

## **Specifications:**

**Table 1**

	Electric Cold/Hot/Soda Water Dispenser
Model	CTP-03*-CHS-S-V20-2C
External dimensions	300 (W) x 367 (D) x 564 (H) mm
Net weight	29 kg
Compressor	Hermetically sealed, high pressure 1/10
Compressor overheating protection	125°C (automatic recovery) built-in
Refrigeration unit condenser	Pipeline, free cooling
Refrigeration unit evaporator	Pipeline
Motor-compressor power	74 W
Refrigerant	R-134A 40 g ± 2 g
Chilled water tank	AISI 316 steel; 4 l
One-time maximum dose of chilled water	2.0 l
Cooling control	Electromechanical thermostat
Cooling	Forced cooling
Water heater power	500 W
Hot water tank	AISI 316 steel; 2.2 l
The amount of heated water	12 glasses (80... 90)°C
Heater type	Tubular built-in heater
Heating control	Electronic thermostat
Heater overheating protection	Bimetal thermostat with manual reset 115°C
Soda water tank	AISI 316 steel 1.3 l
Amount of soda water	12 glasses (5...12)°C
Single maximum dose of soda water	1.4 l
Overpressure protection	Safety valve 0.8 MPa with automatic recovery

CO <sub>2</sub> cylinder (during operation it is installed outside the device)	5 1 5 MPa
CO <sub>2</sub> pressure regulator	Membrane type 5/0.5 MPa
Rated water pressure in the supply pipeline	0.3–0.5 MPa
Maximum water pressure in the supply pipeline	0.6 MPa
Regulation of water pressure in the device	Membrane type reducer 0.3 MPa
Power supply voltage	220–240 V ~50 Hz
Power cord length	2.5 m
Noise level generated by the device	No more than -56 dB
Front Panel	Glass
Body	Aluminium alloy EN AW6063-TG
Water tap	Noryl (decorative part – stainless steel).

\*Body colour. See Table 2.

	"Body colour"	
	Aluminium trim colour	Metal profile colour
SI	silver	black
BL	black	black

**Overall dimensions**

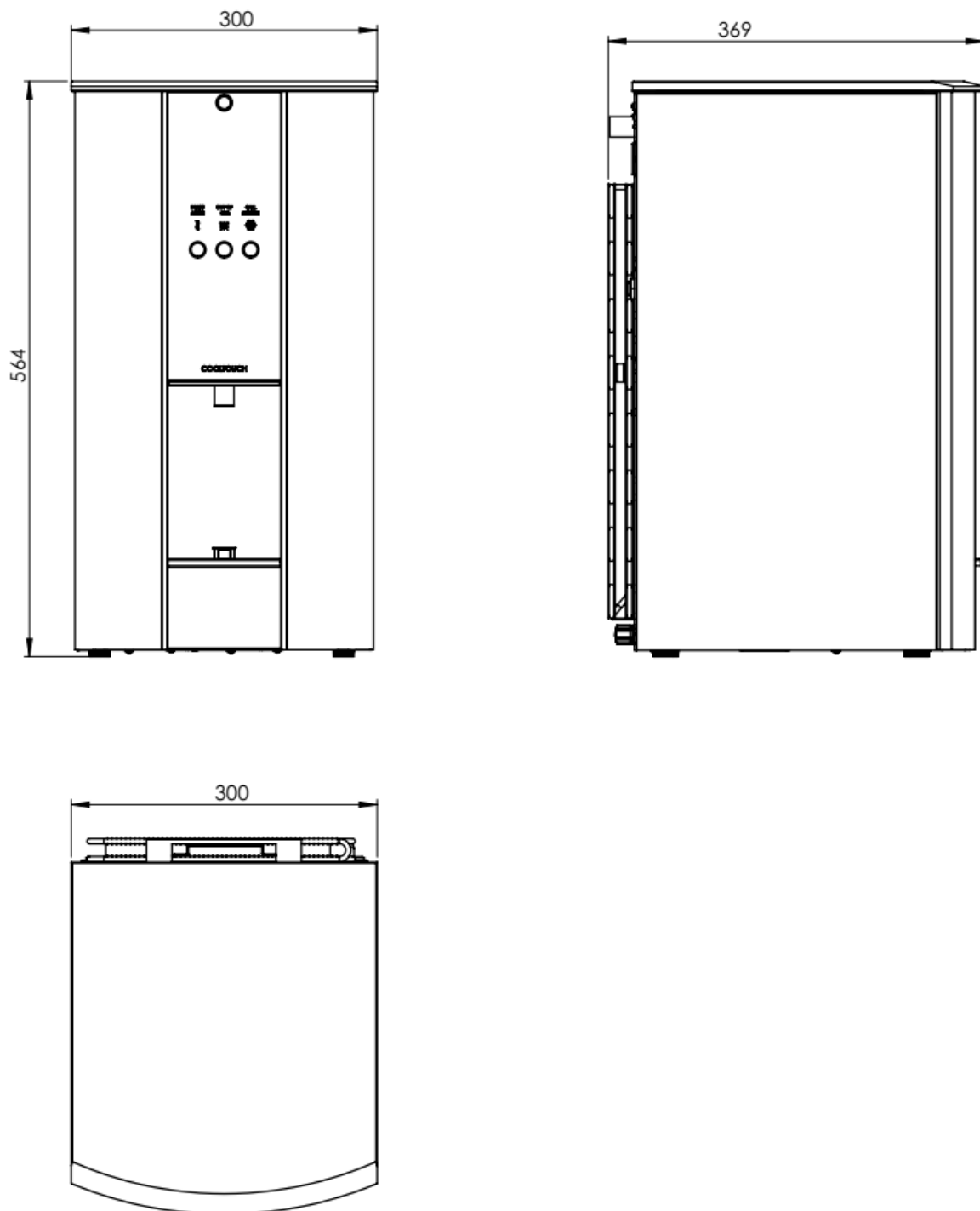


Fig. 1. Overall dimensions of model CTP-03\*-CHS-S-V20-2C



**Water dispenser and accessories for model CTP-03\*-CHS-S-V20-2C**

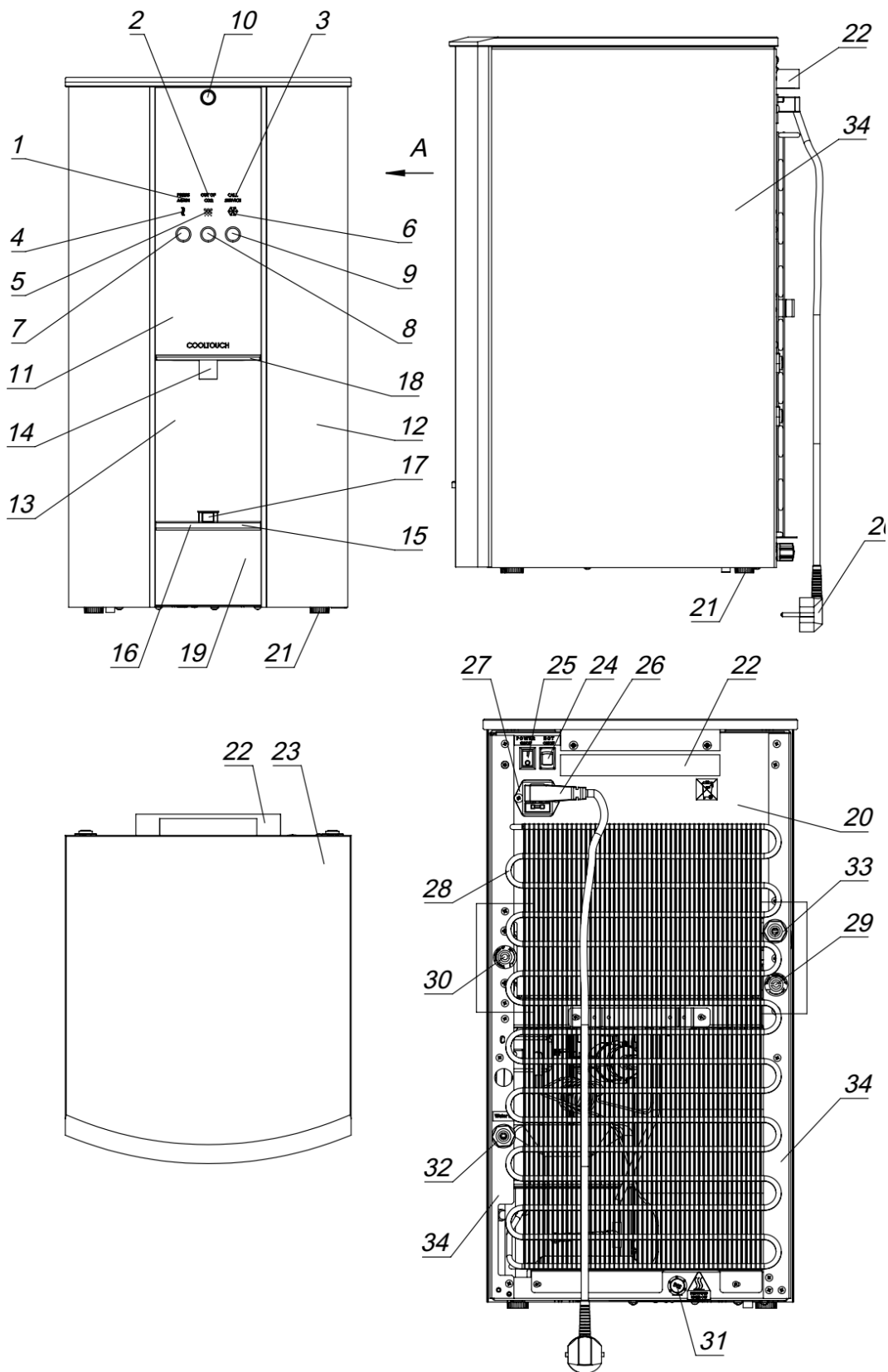


Fig. 2. Accessories for model CTP-03\*-CHS-S-V20-2C

**Table 3**

No.	Name	No.	Name
1	PRESS AGAIN indicator	18	Stop for moving the device
2	OUT OF CO2 indicator	19	Glass panel
3	CALL SERVICE indicator	20	Back wall
4	Hot water indicator	21	Levelling feet
5	Soda water indicator	22	Pen
6	Cold water indicator	23	Top glass panel
7	Hot water dispensing button	24	Water heating switch WATER HEATING
8	Sparkling water dispensing button	25	Device power switch POWER SUPPLY
9	Cold water dispensing button	26	Detachable power cord
10	User presence sensor	27	Power plug with fuse
11	Control panel	28	Refrigeration unit condenser
12	Device body	29	Soda water cooling control thermostat
13	Place for a glass	30	Water cooling control thermostat
14	Water tap	31	Hot water drain plug
15	Drip tray	32	Connection to water supply system
16	Drip tray grid	33	Connection to CO <sub>2</sub> cylinder
17	Drip tray overflow indicator	34	Removable side panel

#### 4. Water dispenser installation:

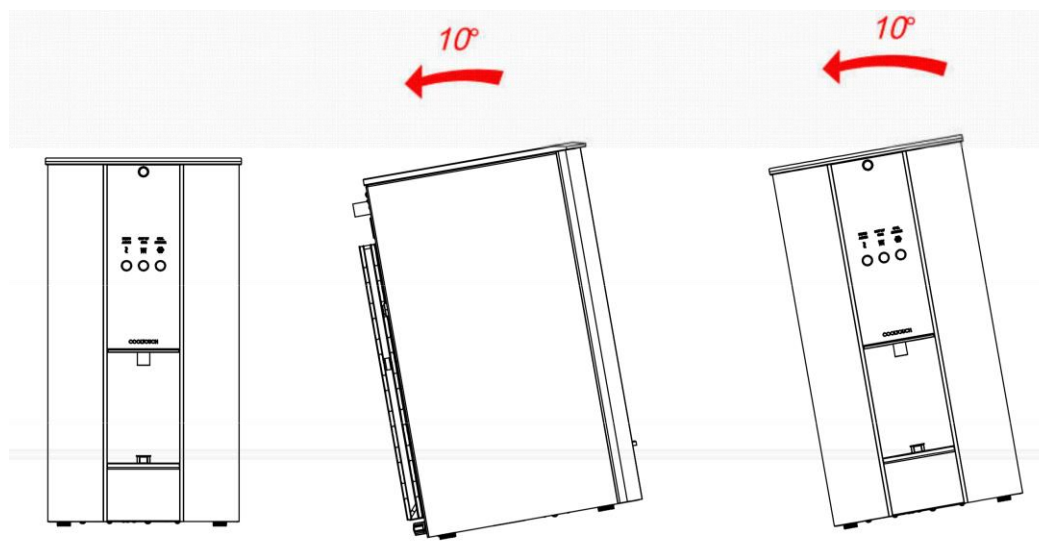


Fig. 3. Permissible inclination of the device when manipulating the water dispenser

##### **4.1. Instructions for installation and connection to the power supply network:**

- Room selection.  
Install the water dispenser in a dry and ventilated room. Permissible ambient temperature for the correct operation of the water dispenser is from +10 to +32°C. The water dispenser must not be placed near appliances that emit heat, such as radiators, cookers, etc., and must not be exposed to direct sunlight.
- Installing the water dispenser in places where water can get on the body is unacceptable.
- The water dispenser is connected to the power supply network with a power cord, the socket must have a protective earth, the prescribed rated voltage and frequency specified in the data sheet of the device. The connection to the power supply network must be made in accordance with the standards and regulations in force. The water dispenser withstands short-term voltage fluctuations, but not more than -10 to +10% of the rated voltage.
- The use of sockets without protective earth is not allowed.
- Before inserting the plug into the socket, make sure that the voltage and frequency indicated on the technical data plate of the water dispenser located on the back of the handle for movement match the frequency and voltage of your power supply network. Permissible deviations are -10 to +10% of the rated voltage. Operation with different power supply voltage and frequency is unacceptable, the water dispenser may be damaged.
- The power socket must be near the water dispenser, in an easily accessible place and not blocked by the device.
- Connect the water dispenser only to an individual socket, it is strictly forbidden to use splitters or power extension cords.
- Use the power plug to disconnect the water dispenser from the power supply network.
- Under no circumstances should the water dispenser be connected to electronic power saving plugs or inverters that convert direct current to alternating current with a voltage of 230 V (for example, solar panels, marine electrical installations, uninterrupted power supplies).

The water dispenser may fail.

- The distance between the water dispenser and other heating elements must be at least 300 mm; if this condition cannot be met, an insulating panel must be used.
- The distance between the rear wall of the water dispenser and the wall must be at least 150 mm so that the air outlet is not blocked.
- Place the water dispenser on a hard and level, solid, horizontal and sound-absorbing surface.
- The vertical position of the water dispenser is adjusted by four adjustable feet.
- Avoid installing the water dispenser in places where contact with water is possible.
- Before connecting the water dispenser to the power supply network or after moving it, it is necessary to keep the device in a vertical position for at least 1 hour in order to avoid damage to the compressor of the water dispenser refrigeration unit.
- Operating the water dispenser for a long time without filled hot and cold water tanks may damage the device.
- During operation of the water dispenser, the condenser and compressor located on the rear wall become hot. Ensure that the water dispenser is installed exactly as recommended in this manual: insufficient ventilation may cause this water dispenser to perform poorly or fail.
- If the water dispenser was transported in a horizontal position, the oil inside the compressor could overflow into the refrigerant circuit. To allow oil to drain into the compressor, install the water dispenser vertically and wait at least 2 hours before turning it on.
- All manipulations inside the body of the water dispenser can be performed no earlier than 2 hours after the power is turned off, in order to avoid burns.

#### **4.2. Instructions for levelling the water dispenser:**

To level the water dispenser, the device has adjustable feet pos. 21 Fig. 2.

To adjust the height of the feet, tilt the water dispenser back or to the side, but no more than 10 degrees, and adjust the feet.

#### **Warning:**

- Before adjusting the feet, disconnect the water dispenser from the power supply network and water supply system and wait at least 2 hours for the hot water and parts of the device to cool down. Danger of burns.

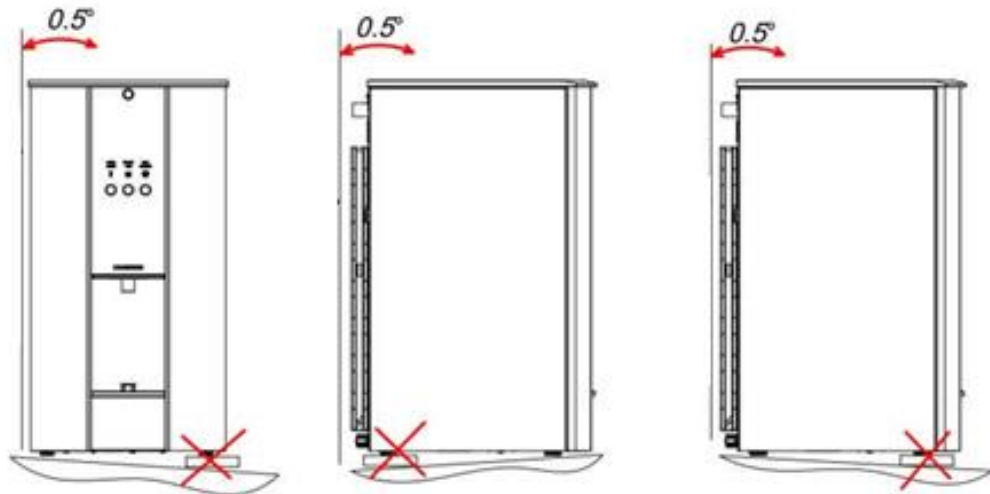
#### **Note:**

- Place the water dispenser on a horizontal and level surface, the adjustable feet are intended for minor adjustments. If it is not possible to adjust the horizontal position of the water dispenser with the feet, choose another place to install it.
- An unstable water dispenser may cause increased vibration and noise during operation.
- When installing, the permissible deviation of the water dispenser from the vertical is not more than 0.5 degrees.

#### **Forbidden:**

- Perform manipulations with the water dispenser related to moving, installing and

- connecting to the water supply system connected to the power supply network.
- Use additional spacers and stops to level the water dispenser.



Permissible deviation from the vertical line is not more than 0.5 degrees.

Fig. 4. Incorrectly installed water dispenser

#### **4.3. Instructions for connection of the water dispenser to the water supply system:**

Connection to the water supply system, installation of the filter unit must be carried out only by specialists of an authorized service centre. All connections between the water supply system and the water dispenser must be made using a connecting pipeline with a diameter of 1/4", withstanding pressure up to 1 MPa and allowing contact with drinking water, from the delivery set of the water dispenser. The use of other pipelines is unacceptable and may lead to water leakage.

#### **Warning:**

- The pressure in the water supply network should be in the range from 0.3 to 0.5 MPa, the allowable fluctuations in water pressure should not exceed 10% of the allowable pressure limits.
- If the water pressure exceeds 0.5 MPa, it is necessary to install a reducer on the water supply line. Risk of damage to the water dispenser. The reducer is not included in the delivery set of the water dispenser and must be purchased separately.
- The minimum operating water pressure at which the water dispenser operates in normal mode is 0.3 MPa; at a lower pressure, the functionality of the device may be limited.
- For proper operation of the water dispenser, the connection to the water supply system must be carried out by an authorized service centre.

#### **Forbidden:**

- Perform manipulations with the water dispenser related to its movement, installation and connection to the water supply system while the water dispenser is connected to the power supply network.
- Long-term operation of the water dispenser at an inlet water pressure of more than 0.5 MPa.
- Independently install, replace the filter unit.

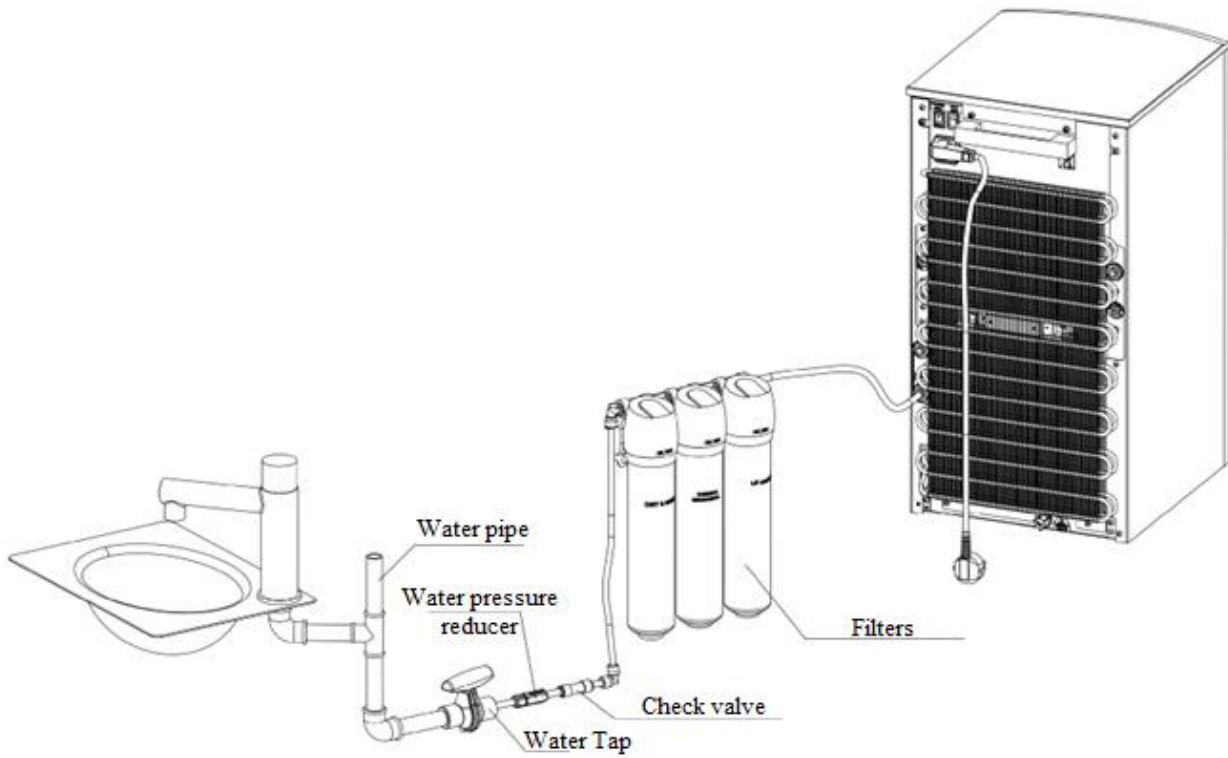


Fig. 5. Option to connect the water dispenser to the water supply system

**4.4. Instructions for movement of the water dispenser:**

To lift and move the water dispenser, use the handle pos. 22 on the back of the device and the stop for moving pos. 18 Fig. 2 on the front.

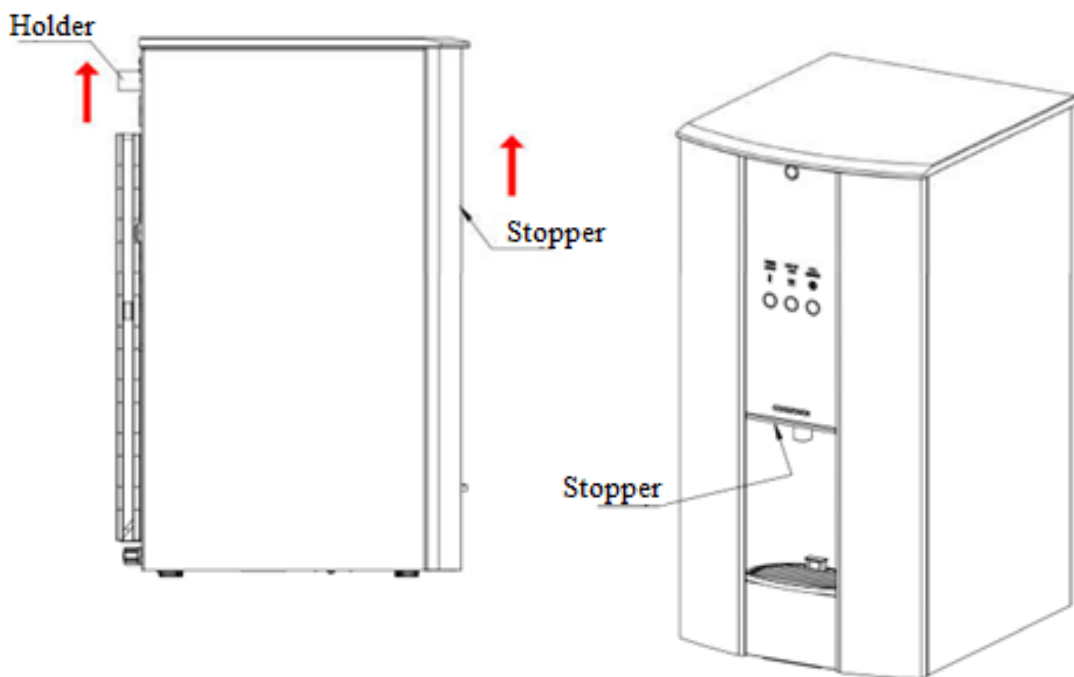


Fig. 6. Water dispenser movement method

## Warning:

- If it is necessary to move the water dispenser, disconnect it from the power supply network and water supply system, and wait at least 2 hours for the hot water and parts of the device to cool down. Danger of burns.
- When moving long distances, drain the water from water tanks to prevent water spillage and reduce the weight of the water dispenser, and use transport carts.
- Never use the refrigeration unit condenser and the inside parts of the water dispenser as a support to move the water dispenser, you may damage your hands and the device.

## Forbidden:

- Moving the water dispenser connected to the power supply network and water supply.
- Moving the water dispenser without leaving the surface where it is installed.

### 4.5. Start initialization of the water dispenser when power is turned on:

- When the power supply of the water dispenser is turned on, the start initialization of the device – automatic preparation for operation – is performed. During the start initialization, the following occurs:
- Filling the water dispenser with water;
- Automatic check of water dispenser performance;
- Primary heating and calibration of the hot water temperature sensor, for more accurate water heating and proper functioning of the water dispenser;
- Changing the temperature settings of the dispensed water and other water dispenser settings:

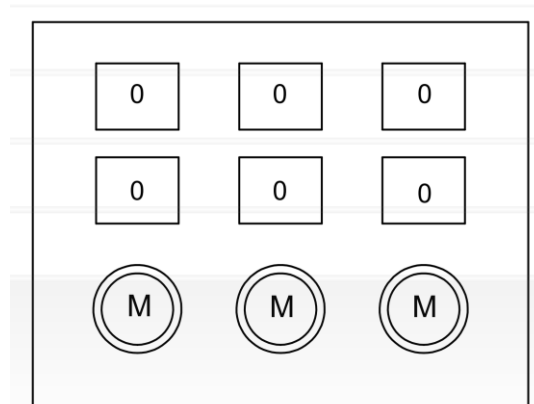


Fig. 7. Start initialization indication

Start initialization is divided into stages:

- The first stage – water intake is not possible at this time:
  - Filling the water dispenser with water if the device was without water or checking the filling with water, checking the device's performance;
  - Waiting to enter settings mode;

- The second stage – it is possible to use the water dispenser at this stage, but the hot water temperature is limited to a maximum temperature of 90°C:
  - Primary heating of hot water and testing the health of the water heating system;
  - Calibration of the water heating sensor; in the case of using hot water, the sensor calibration process is postponed until a favourable moment;
  - End of the water dispenser initialization process and entering the full-functional operating mode.

**Warning:**

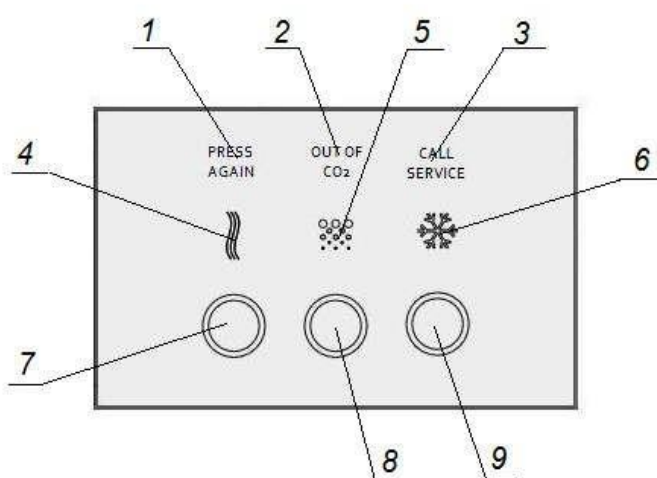
- Each time the power is turned on, the start initialization of the water dispenser occurs;
- Start initialization of the water dispenser takes a long time, and with frequent switching on and off of the device it can be inconvenient for consumers;
- Limited functionality of the water dispenser during start initialization is not a malfunction;

**Note:**

- It takes approximately 2 hours to cool and heat the water after the tanks are filled.
- The water dispenser enters normal operating mode after approximately 12 hours of operation.
- Getting soda water is possible only after the complete cooling of the water and draining the first 2–3 glasses of soda water after switching on.

**5. Use and control of the water dispenser.**

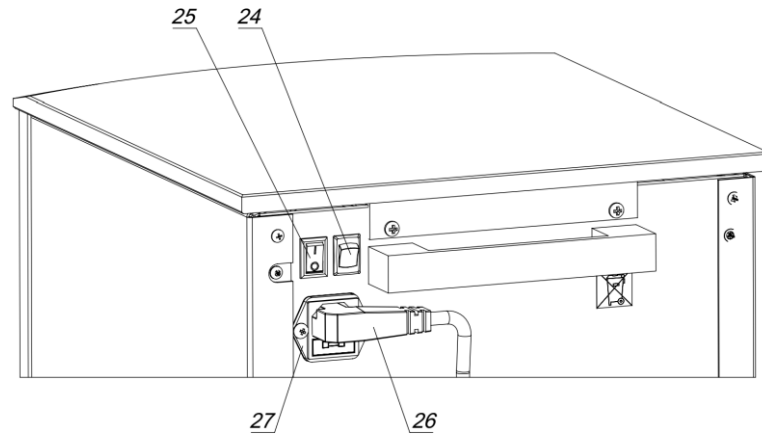
**5.1. Water dispenser indication and control elements:**



No.	Notation
1.	PRESS AGAIN indicator
2.	OUT OF CO <sub>2</sub> indicator
3.	CALL SERVICE indicator
4.	“Hot water” indicator
5.	“Soda water” indicator
6.	“Cold water” indicator
7.	Hot water dispensing button
8.	Sparking water dispensing button
9.	Cold water dispensing button

Fig. 8. Indicators and buttons on the control panel.





No.	Notation
24.	Water heating switch – HOT ON/OFF
25.	Device power switch POWER ON/OFF
26.	Detachable power cord
27.	Power plug with fuse

Fig. 9. Water dispenser control elements. Back view.

### **5.2. Water dispenser operating modes:**

The water dispenser has 5 main operating modes:

- 1) Water dispensing mode is the main operating mode of the water dispenser. In this operating mode, water is dispensed to the consumer, the presence of the consumer in front of the device is monitored, and all monitoring functions work.
- 2) Power saving mode (“sleep” mode) is a water dispenser operating mode set at the request of the customer, which allows turning off heating and cooling of water in accordance with the settings specified by the user.
- 3) The user setting mode for the temperature of the dispensed water. In this mode, you can change:
  1. Hot water temperatures;
  2. Saturation of soda water with gas;
  3. Cold water temperature.
- 4) Service mode – this mode is available only to employees of an authorized service centre. Upon request, an authorized service centre can change the following parameters of the water dispenser:
  1. Enable/disable the protected hot water intake mode;
  2. Set up the operation of the consumer presence sensor in front of the water dispenser.
  3. Set the operating mode of the UVC LED sterilizer of the chilled water tank;
  4. Enable/disable the smart power saving mode.
  5. Set the service life of water purification filters depending on the quality of tap water.

6. Enable/disable the contactless water intake mode;
- 5) Water dispenser drain mode, this mode is available only to employees of an authorized service centre or a specially trained person.

In this mode, you can do:

1. Thermal self-cleaning the water dispenser;
2. Draining the water from the chilled water tank;
3. Draining the water from the soda water tank (saturator).

**Note:**

- It is not recommended to switch operating modes without reading this operating instruction in order to avoid malfunctioning of the water dispenser.
- It is not recommended to change the water dispenser settings too often.
- It is recommended to have a responsible and trained user who monitors the condition of the water dispenser and its settings.

### **5.3 Selecting the water dispenser operating mode:**

The choice of operating mode is made after turning on the water dispenser during the start initialization.

The operating mode of dispensing water is set automatically if no action is taken during the start initialization process.

1. Power saving mode (“sleep” mode) is set automatically if it is activated in the water dispenser settings.
2. To enter the user setting mode for the temperature of the dispensed water, you must simultaneously press and hold all the water intake buttons during the start initialization.
3. To enter the water drain mode, you must simultaneously press and hold the hot and cold water intake buttons during the start initialization

**Note:**

- Starting state of the water dispenser before selecting the operating mode – the water dispenser is switched off.
- In case of accidental selection of an unnecessary operating mode, turn off and then turn on the power supply of the water dispenser.
- The power supply of the water dispenser is always turned on first, then the buttons for selecting the menu for setting the temperature of the dispensed water are pressed, but no later than 8 seconds from the beginning of the indication of the start initialization of the device. If the setting menu is not selected, turn off the power supply and repeat the manipulations with the water dispenser.

**Warning:**

- Before setting up the operation parameters of the water dispenser, it is necessary to carefully study this operating instruction, which will help to avoid malfunctions of the device.
- It is not recommended to change the settings of the water dispenser without the consent of all major users.
- Monitoring the technical condition of the water dispenser and its settings should be carried out by a designated responsible person who has studied this operating instruction.

## 5.4. Water dispensing mode:

Functions of the water dispenser in this operating mode:

1. Dispensing of water to the consumer as may be chosen – hot water, cold water, soda water and room temperature water.
2. Possibility to turn off water heating.
3. Automatic intake of water in the tank for cold water and saturator.
4. The monitoring functions of the water dispenser are performed automatically, without the participation of the consumer:
  - Indication of the switched on hot water heater.
  - Automatic turning on/off the power saving mode, if this mode is enabled.
  - Detection of the presence of a consumer in front of the water dispenser, depending on the programme settings.
  - Monitoring and signalling the CO<sub>2</sub> gas pressure.
  - Monitoring the water levels in the chilled water tank and signalling the emergency water levels.
  - Monitoring and signalling the health of water level sensors in the chilled water tank.
  - Monitoring the water level in the saturator.
  - Controlling the activation of the UVC LED sterilizer in order to carry out preventive disinfection of the cold water tank.
  - Monitoring and signalling of the exhaustion of the service life of additional water purification filters.
  - Monitoring the water heating and checking the performance of the water heater.
  - Monitoring the performance of the water dispenser.

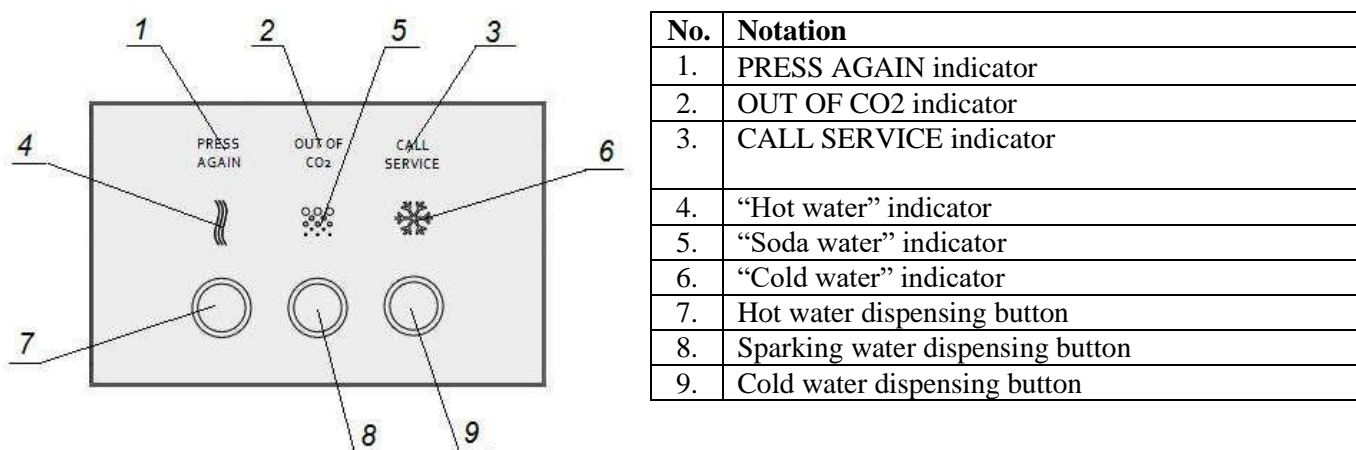


Fig. 10. Indicators and buttons on the control panel.

### Warning:

- Using containers not designed for hot water may result in burns and damage to the water dispenser.
- Do not turn off the function of protection against accidental spillage of water unless absolutely necessary – this will help protect the user from accidental burns.

### Forbidden:

- Drain dirty water into the drip tray;
- Operate the water dispenser with an overflowing drip tray;

#### 5.4.1. Contact/contactless water intake.

In the settings of the water dispenser, you can select the options for actuation of the water intake buttons:

1. Contact option for actuation of buttons – for actuation of the water intake buttons, finger contact with the button is required. This option is set in the factory settings.
2. Contactless option for actuation of the buttons – for actuation of the water intake buttons, physical contact of the finger with the button is not necessary, it is enough to bring your finger at a distance of 8 mm or less to the water intake button. This option can be installed on request by an authorized service centre.

The water intakes, both contact and contactless, are similar and are described below.

#### 5.4.2. Hot water intake with the function of protection against accidental spillage of water:

1. Approach the water dispenser from the front.
2. Place the water container under the water tap pos. 14 Fig. 2.
3. Press the hot water dispensing button pos. 7 – the **PRESS AGAIN** indicator pos. 1 blink flash, then release the button. If you continue to hold the hot water dispensing button for more than 8 seconds, the **PRESS AGAIN** indicator goes out and you need to repeat the action again to continue.
4. Press the hot water dispensing button again with the **PRESS AGAIN** indicator blinking and hold it until the required amount of water is taken, the “**hot water**” indicator pos. 4 lights up at maximum brightness and hot water is dispensed into the glass. Release the hot water dispensing button when you have taken the desired amount of hot water. Pressing other buttons will deselect the hot water dispensing function.

#### Notes:

- The function of protection against accidental spillage of water serves to prevent burns if the hot water button is pressed unintentionally.
- To activate the function of protection against accidental spillage of water, contact an authorized service centre.
- Dispensing hot water into the container may occur with some time delay, but no more than 3 seconds, this is not a malfunction of the water dispenser.

#### 5.4.3. Hot water intake with the disabled function of protection against accidental spillage of water:

1. Approach the water dispenser from the front.
2. Place a water container under the water tap pos. 14 Fig. 2.
3. Press the hot water button pos. 7, hold it until the required amount of water is taken, the “**hot water**” indicator pos. 4 lights up at maximum brightness and hot water is dispensed into the glass.
4. After the desired amount of hot water has been taken, release the water intake button.

#### 5.4.4. Chilled water intake:

1. Approach the water dispenser from the front.
2. Place a water container under the water tap pos. 14 Fig. 2.
3. Press the chilled water intake button pos. 9 and hold it until the required amount of water is taken – the “**chilled water**” indicator pos. 6 lights up at maximum brightness and chilled water is dispensed into the glass.
4. When the desired amount of chilled water has been taken, release the water intake button.

#### **5.4.5. Soda water intake:**

1. Approach the water dispenser from the front.
2. Place a water container under the water tap pos. 14 Fig. 2.
3. Press the soda water intake button pos. 8 and hold it until the required amount of water is taken – the “**soda water**” indicator pos. 5 lights up at maximum brightness and soda water is dispensed into the glass.
4. Release the water intake button when you have dispensed the desired amount of soda water.

#### **5.4.6. Room temperature water intake:**

1. Approach the water dispenser from the front.
2. Place a water container under the water tap pos. 14 Fig. 2.
3. Simultaneously press the chilled water intake pos. 9 and hot water intake pos. 7 buttons and hold them until the required amount of water is taken – indicators “**hot water**” pos. 4 and “**cold water**” pos. 6 light up at maximum brightness, and water at room temperature is dispensed into the glass.
4. Release the intake buttons when the desired amount of room temperature water has been taken.

### **5.5. Power saving mode (“sleep” mode).**

#### **5.5.1. Smart power saving mode:**

Smart power saving mode is a water dispenser operating mode set at the request of the customer that allows you to flexibly control the heating and cooling of water according to the conditions of use of the water dispenser, depends on the amount of use of hot water and the presence of users at the installation site of the device. To activate it, you must contact an authorized service centre. In addition, in this operating mode, the water circuit is periodically disinfected, which prevents biological contamination of the water dispenser. This operating mode allows you to obtain a reduced power consumption of the water dispenser in conditions of low and medium consumption of hot water and when installed in rooms with a small number of people. In the case of reaching the maximum power saving, when the heating and cooling of the water are completely turned off, the maximum power saving indication appears, see Fig. 11. In this case, it may take some time for the water to be heated, about 1 hour after the first access to the water dispenser, and the dispensing of insufficiently hot water during this period of time is not a malfunction.

#### **Warning:**

- The time required for heating and cooling water when exiting the smart power saving mode is one hour. This must be taken into account when operating the water dispenser with the smart power saving mode enabled.
- To turn on the smart mode, you need to contact an authorized service centre.
- After turning on the smart power saving mode, its operation is completely automatic and cannot be adjusted by the user.

#### **5.5.2. Scheduled power saving mode.**

The scheduled power saving mode, or the so-called “sleep” mode, is a water dispenser operating mode set at the request of the customer that allows you to turn off the functions of heating and cooling water in accordance with user-defined settings.

In addition, in this operating mode, the water circuit is periodically disinfected, which prevents biological contamination of the water dispenser.

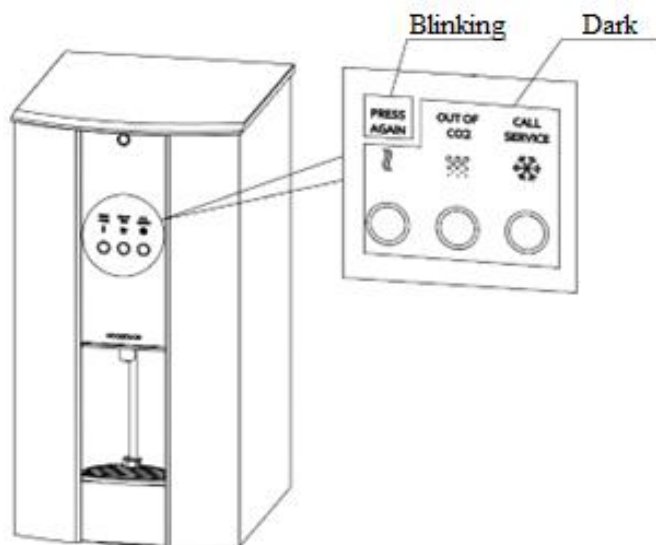


Fig. 11. Indication on the water dispenser of the enabled power saving mode.

Functions of the water dispenser in this operating mode:

Disabling heating and cooling water, which can significantly reduce the power consumption of the water dispenser:

1. Disabling and enabling water heating occurs automatically according to a user-defined programme, which allows you to disable and enable the water dispenser when necessary.
2. Automatic sanitization of the water dispenser, periodic treatment of the chilled water tank with the UVC LED sterilizer and automatic switching on heating once a day are carried out, which helps prevent biological contamination of water in the tanks.

**Warning:**

- The time required to heat water when exiting the power saving mode is one hour. This must be taken into account when programming the schedule and when temporarily disabling the power saving mode.

Temporary turning off (without changing the schedule) can be performed when using the water dispenser for a short time, for example, on a day off; for this, it is enough to press any water intake button on the device once.

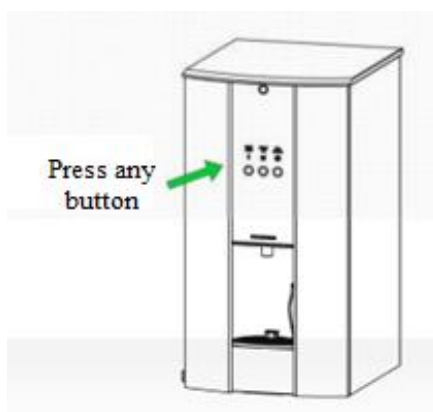


Fig. 12. Temporarily disabling of the power saving mode.

After that, the operation of the power saving mode will be suspended and 1.5 hours (90 minutes) after the last water intake, the water dispenser will return to the power saving mode.

**5.6. Dispensed water temperature setting mode:**

The choice of this menu is made after the water dispenser is turned on and the start initialization indication appears, by simultaneously pressing and holding all the water intake buttons until the indication of entering this menu appears, but no later than 8 seconds after the indication starts. If you did not enter the menu, re-enter by turning off the water dispenser.

To select a submenu, press one of the water intake buttons. Pressing the same water intake button again sets up the functions of this submenu, pressing another water intake button moves to the next submenus. When you enter a submenu, the preset value indicator lights up on the control panel.

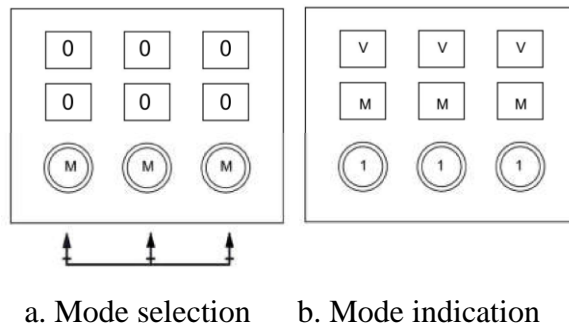


Fig. 13. Selecting the temperature setting mode of the dispensed water.

The following is possible in this operating mode:

Selection of temperature of the dispensed hot water.

Selection of temperature of the dispensed chilled water.

Selection of saturation of soda water.

The temperature of room temperature water is 25°C, this temperature cannot be changed.

To select the hot water temperature, press the hot water intake button, the hot water indicator will start blinking and the previously set temperature value will be displayed, then by pressing the hot water intake button, you can select the following temperature values, the temperature setting accuracy is plus minus 2°C of the set value:

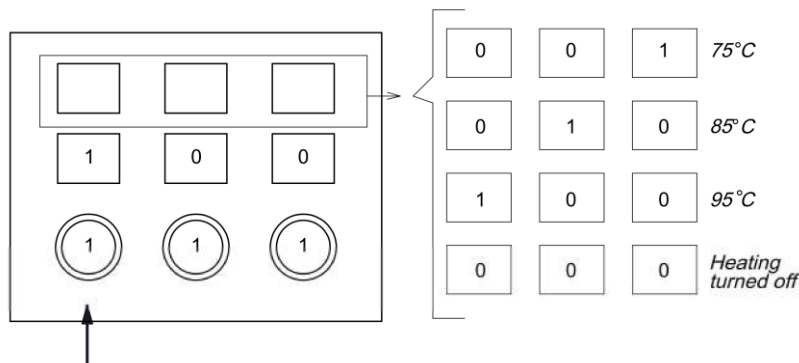


Fig. 14. Hot water temperature setting.

- Temperature 75°C – CALL SERVICE indicator pos. 3 is on.
- Temperature 85°C – OUT OF CO2 indicator pos. 2 is on.
- Temperature 95°C – PRESS AGAIN indicator pos. 1 is on.
- Water heating is disabled, regardless of the position of the “Water heating” switch pos. 24 – indicators are off.

Recommendations for choosing hot water temperature:

- Temperature 95°C – preferred for brewing coffee, black tea, bouillon cubes, noodles and instant cereals;
- Temperature 85°C – preferred for brewing green tea;
- Temperature 75°C – preferred for brewing white tea;
- Water heating is disabled – if it is necessary to completely exclude the presence of hot water for the safety of using the device, without the possibility of turning on the heating with an external switch.

To select the cold water temperature, press the cold water intake button, the cold water indicator will start blinking and the previously set temperature value will be displayed, then by pressing the cold water intake button, you can select the following temperature values, the desired water temperature is obtained by mixing cold and hot water, depends on several parameters and can only be a rough guide:

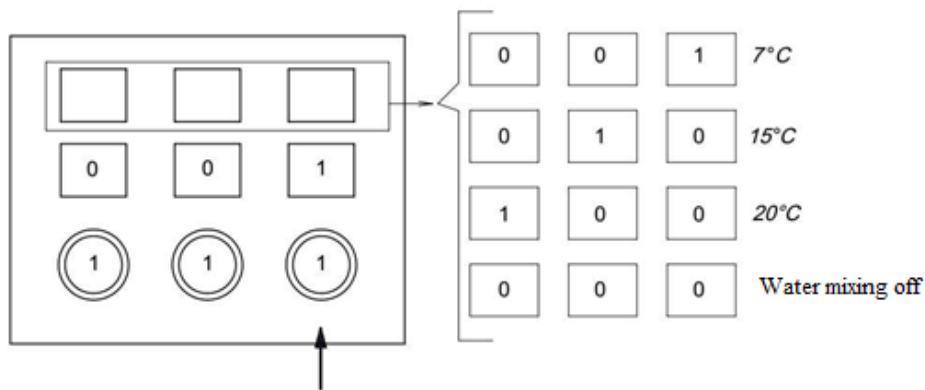


Fig. 15. Cold water temperature setting.

- Temperature 7°C – CALL SERVICE indicator pos. 3 is on.
- Temperature 15°C – OUT OF CO2 indicator pos. 2 is on.
- Temperature 20°C – PRESS AGAIN indicator pos. 1 is on.
- Mixing of water is switched off, water is as cold as possible – the indicators are off.

To select the saturation of soda water, press the soda water intake button, while the soda water indicator will blink and the previously set saturation value will be displayed; then by pressing the soda water intake button, you can select the following saturation values, the desired saturation of soda water is obtained by mixing soda and cold water, depends from several parameters and can only be a rough guide:



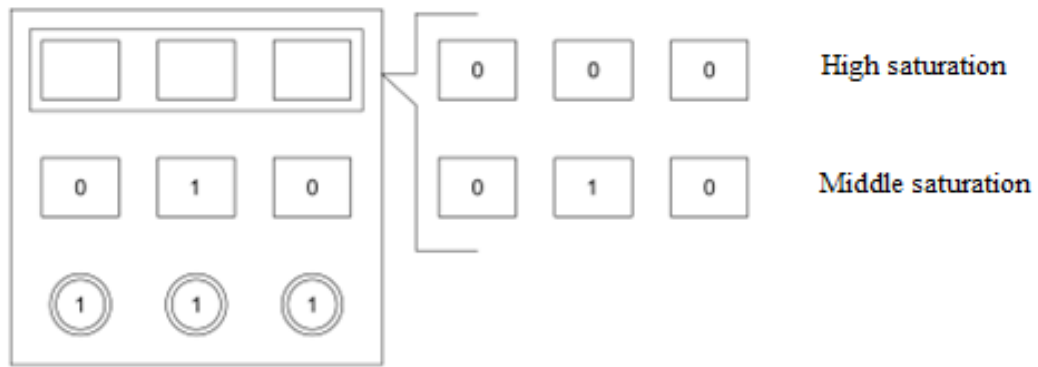


Fig. 16. Adjusting the saturation of soda water

- Average saturation – the OUT OF CO2 indicator pos. 2.
- High saturation – LEDs are off.

**Note:**

- When taking hot, cold, room temperature water and soda water in the mixing mode, when dispensing water, there may be characteristic clicks or changes in the water flow;
- When taking water in the mixing mode, the temperature parameters and the degree of saturation can correspond to the selected values only when taking at least 100 grammes of water.

To exit this menu, after performing the necessary manipulations or in case of an erroneous entry:

- Turn off and then turn on the power supply of the water dispenser;
- If there were no actions or the indication of the main menu is on, the water dispenser itself will switch to the main water dispensing mode after 40 seconds.

**Warning:**

- Before setting up the operation parameters of the water dispenser, it is necessary to carefully study this operating instruction, which will help to avoid malfunctions of the device;
- It is not recommended to change the settings of the water dispenser without the consent of all major users;
- Monitoring the technical condition of the water dispenser and its settings should be carried out by a designated responsible person who has studied this operating instruction.

## 6. Description of water dispenser monitoring functions.

### 6.1. Hot water heater on indication

The water dispenser is equipped with a hot water heater on indication function.

If the heater is turned off, then water heating does not occur, and the supply of hot water to the consumer is blocked. At the same time, the “Hot water” indicator is off.

After turning on the hot water heater using the “Water heating” switch pos. 24, water is heated and water is dispensed to the consumer.

When the water heating is turned off, the water is automatically heated once every 24 hours for disinfection to prevent biological contamination of the hot water tank.

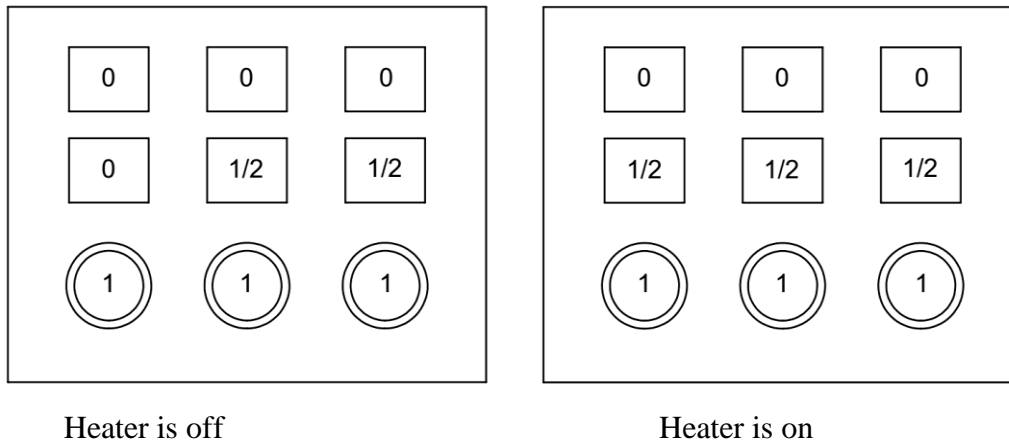


Fig. 17. Heater status indication.

### 6.2. Sensor for consumer detection in front of the water dispenser:

The water dispenser has the function of determining the consumer at different distances from the device:

1. The presence of a consumer in the immediate vicinity of the water dispenser – the detection zone is from 0 to 0.5 metres from the device.
2. The presence of the consumer at a distance from the water dispenser – the detection zone is from 0.5 to 1 metre from the device.
3. The absence of a consumer in front of the water dispenser – the presence of a consumer further than 1 metre from the device.

The sensor for consumer detection in front of the water dispenser can be set to 3 operating modes:

1. Full consumer detection mode.
2. Consumer detection mode only in the immediate vicinity of the water dispenser.
3. Consumer detection is disabled.

#### 6.2.1. Full consumer detection mode.

This operating mode of the sensor for detecting the consumer is the most optimal for the operation of the water dispenser, while all possible functions of the device are enabled.

1. The consumer is outside the control zone – the water dispenser is in the standby mode.

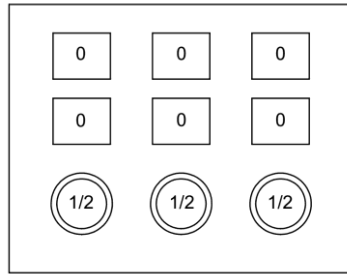


Fig. 18.

2. The consumer is in the long-range detection zone, from 0.5 to 1 m from the water dispenser – the device switches to the standby mode and activates some of its functions

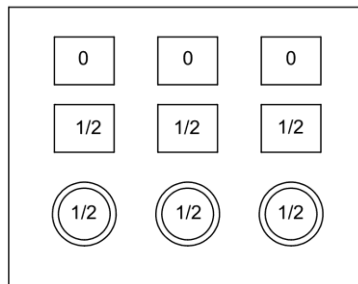


Fig. 19.

3. The consumer is in the short-range detection zone, from 0 to 0.5 m from the water dispenser – the device switches to the active mode and activates all its functions.

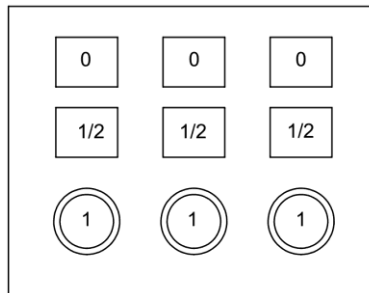


Fig. 20.

### 6.2.2. Consumer detection mode only in the immediate vicinity of the water dispenser.

It is recommended to switch to this mode of using the sensor for consumer detection in places with heavy traffic of people past the water dispenser at a distance of 0.5 to 1 metre.

1. The user is outside the control zone from 0.5 m and beyond – the water dispenser is in the standby mode.

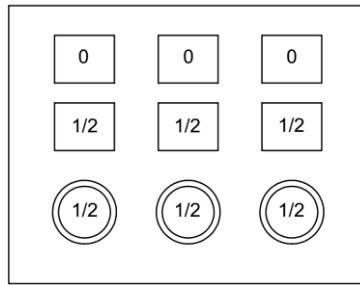


Fig. 21.

2. The user is in the zone of immediate proximity, from 0 to 0.5 m from the water dispenser – the device switches to the active mode and activates all its functions.

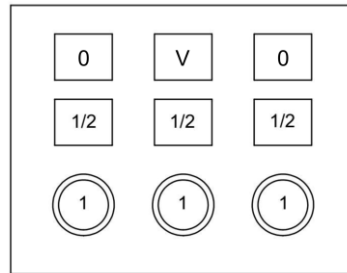


Fig. 22.

### 6.2.3. User detection is disabled.

Switching to this operating mode is recommended when the water dispenser is installed in corridors up to 1.5 metres wide and there is heavy movement of people past the device.

1. Indication of this state of the device is always on.

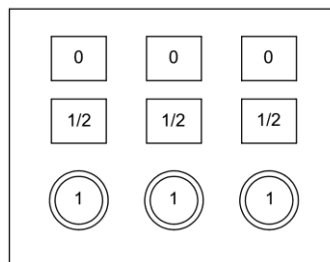


Fig. 23.

### 6.3. Monitoring the presence of CO<sub>2</sub> gas in the water dispenser:

The water dispenser is equipped with a function of monitoring the presence of CO<sub>2</sub> gas in the cylinder. When the gas pressure in the CO<sub>2</sub> gas cylinder decreases to a certain pressure, the **OUT OF CO<sub>2</sub>** indicator pos. 2 starts blinking and the “**soda water**” indicator pos. 5 goes out, and further intake of soda water is not possible.

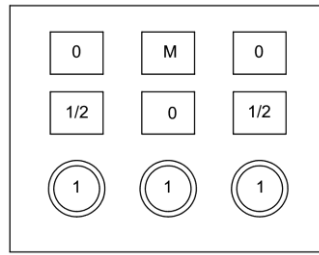


Fig. 24.

**Warning:**

- The indicator works only in the water dispensing mode!

When the indicator of the absence of CO<sub>2</sub> gas pos. 2, blinks, the following situations may occur:

1. The CO<sub>2</sub> gas in the cylinder has run out – replace the cylinder with a new one.
2. The CO<sub>2</sub> gas supply valve is closed – open the gas supply valve.
3. The gas supply pipe in the water dispenser is not connected or is defective – contact an authorized service centre, do not attempt to repair it yourself, it is very dangerous.
4. Faulty CO<sub>2</sub> gas supply reducer – contact an authorized service centre, do not attempt to repair it yourself, it is very dangerous.
5. Water dispenser malfunction – contact an authorized service centre, do not attempt to repair it yourself, it is very dangerous.

**6.4. Monitoring the presence of water in the cold water tank:**

The water dispenser is equipped with the function of automatic monitoring the presence of water in the cold water tank. The water dispenser can only fully function when the water pressure is between 0.3 MPa and 0.5 MPa. If the water pressure drops below the allowable pressure or there is no water in the water supply system, the water amount in the water dispenser may be reduced to less than the working volume, while the device stops dispensing water and signals the absence of water. The performance of the water dispenser is restored automatically when the device takes the required volume of water.

Indication of the absence of the required volume of water in the water dispenser.

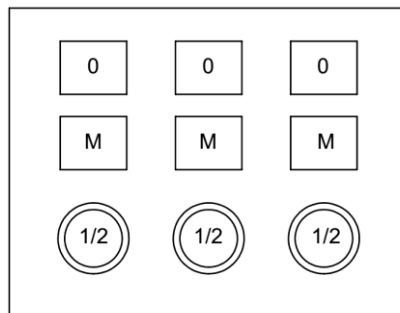


Fig. 25.

**Warning:**

- In there is no water indication after turning on the water dispenser, turn off the power supply of the device, make sure that there is water in the water supply system, and make sure that the water supply system is connected to the water dispenser, and turn it on again only if water is supplied to the water dispenser.
- If there is no water indication in the operating mode, it is not necessary to turn off the power supply of the water dispenser, but be sure to turn off the power supply to the water dispenser if there is no water supply for a long time.

The no water indication can be caused by the following situations:

- The water pressure in the water supply system has dropped below the operating pressure or is completely absent – check the presence of water and its pressure in the water supply system, if possible, eliminate the cause.
- The water supply is cut off directly to the water dispenser, eliminate the cause if possible.
- Malfunction of the water supply pipe to the water dispenser, if possible, eliminate the cause or contact an authorized service centre to replace the pipe.
- If there is water pressure in the water supply pipe – a malfunction of the water dispenser – disconnect the device from the power supply network and water supply, contact an authorized service centre.

**6.5. Monitoring the water level in the drip tray**

Pop-up float is used to monitor the water level in the drip tray. When the float rises, it is necessary to drain the water from the tank, otherwise the water may get inside the water dispenser and damage it.

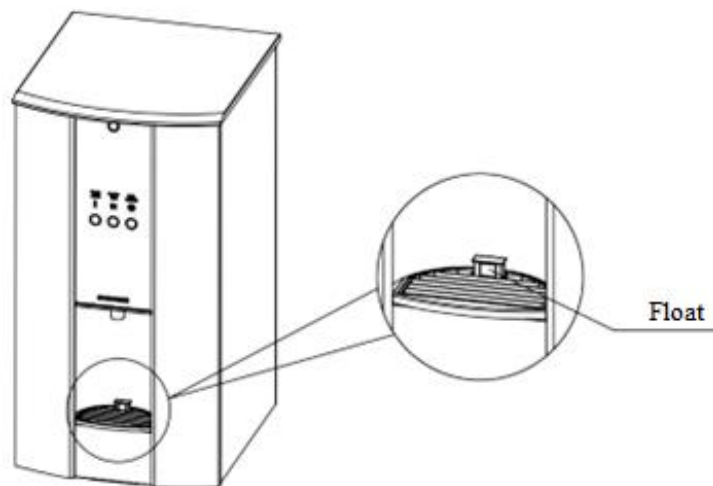


Fig. 26. The position of the water tank overflow indicator.

**6.6. Monitoring the hot water temperature in the water dispenser:**

The water dispenser is equipped with an automatic temperature monitoring function for the hot water in the hot water tank. This function can be enabled at the request of the customer. If the hot water temperature is 15°C lower than the set value, the hot water indicator pos. 4 starts blinking and stops blinking when the nominal set temperature is reached.

This monitoring function is informational in nature and does not affect the operation of the water dispenser and does not limit dispensing of hot water to the consumer.

**Warning:**

- The indication of low temperature of hot water is not an indication of a malfunction of the water dispenser.
- The indication of the low temperature of hot water shows that at a given time the water is being heated to the set temperature and the consumer has a choice – to wait for the water to heat up or to take hot water at the existing temperature.
- It may take some time for the water to heat up, up to 20 minutes.
- The hot water temperature depends on the time the water dispenser is turned on, the operation of the power saving mode and the hot water consumption.

**6.7. Automatic monitoring the water dispenser health:**

The design of the water dispenser includes several functions of automatic health monitoring. In the event of a malfunction of the water dispenser, the **CALL SERVICE** indicator pos. 3 and all functions of the device are blocked.

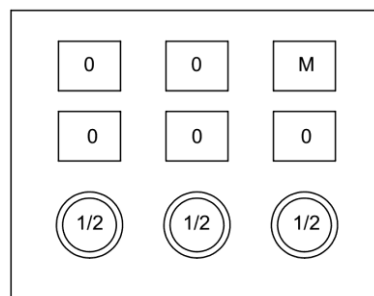


Fig. 27.

If the water dispenser indicates a malfunction, it is necessary to re-diagnose the device. You need to turn off and on the water dispenser with the switch

**POWER ON/OFF** pos. 25 Fig. 2. In case of repeated indication of a malfunction — disconnect the water dispenser from the power supply network and water supply and contact an authorized service centre.

**Warning:**

- Do not attempt to carry out repair work yourself, it is life threatening.
- Limit the ability of others to turn on a faulty water dispenser again, for example by affixing a “Faulty” tag or other available methods.

## **6.8. Control of water cooling in the water dispenser:**

Control of water cooling in the water dispenser is performed by electromechanical thermostats, with independent control of cooling in the cold water tank and the

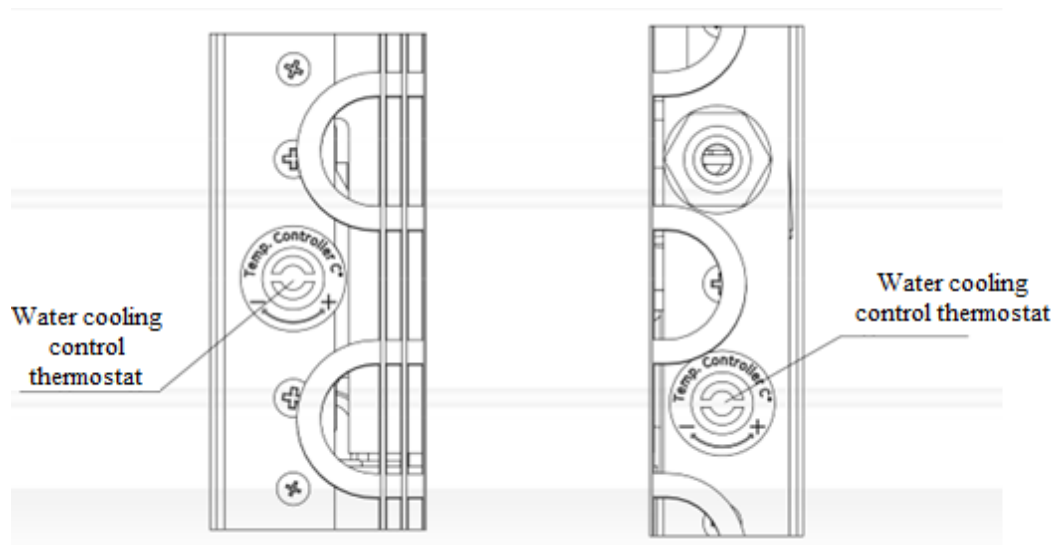


Fig. 28. Location of thermostats for controlling cold water cooling and soda water cooling in the dispenser.

Turning the thermostat pointer towards “+” increases the average water temperature in the chilled water tank, turning the thermostat pointer towards “-” decreases the average water temperature correspondingly.

### **Warning:**

- It is not recommended to change the factory setting of the water cooling control thermostats as this setting is optimal for normal operation and ensures maximum energy efficiency of the water dispenser.
- It is not recommended to frequently change the thermostat settings, it may damage the water dispenser.

## **6.9. Monitoring the use of the service life of water purification filters:**

The water dispenser automatically monitors the exhaustion of the service life of filters and, using the “Cold water” indicator pos. 6, signals that the service life of filters is completely exhausted.

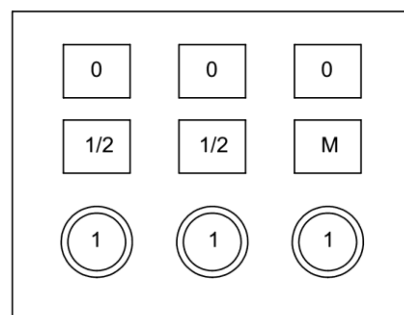


Fig. 29. Indication of the need to replace filters.



- Flashing indicator “**Cold water**” pos. 6 in the operating mode signals that the filter resource has been exhausted.

**Warning:**

The indication of the use of the filter resource is informative and does not limit the operation of the water dispenser. The decision to replace filters is the responsibility of the consumer. In turn, the manufacturer is not responsible for the quality of water obtained using filters whose service life has been exhausted.

**7. Water purification options.**

The water dispenser has three water purification options:

1. Filters for purification of tap water.
2. UVC LED sterilizer for cold water tank decontamination
3. Forced heating of water in the hot water tank, in case of water heating is turned off .
4. Thermal self-cleaning of the cold water tank and the water outlet tube of the cold tank.

**7.1. Water purification filters:**

**Warning:**

- Only certain models of filters can be installed outside the water dispenser body as a separate unit. Installation and replacement of filters is carried out only by an authorized service centre.
- Installing or replacing filters by yourself can lead to malfunctions and failure of the water dispenser.

**Forbidden:**

- Independently install, replace the filter unit.

The water dispenser automatically monitors the depletion of the filter resource and, using the “Cold water” indicator pos. 6, signals that the filter resource is completely exhausted.

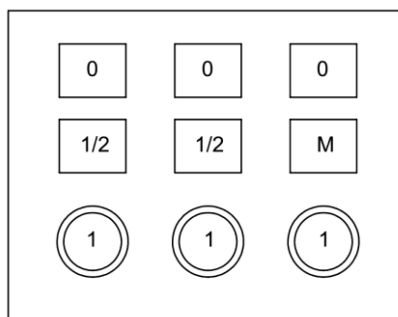


Fig. 30. Indication of the need to replace filters.

- Flashing indicator “**Cold water**” pos. 6 in the operating mode signals that the filter resource has been exhausted.

The indication of the use of the filter resource is informative and does not limit the operation of the water dispenser. The decision to replace filters is the responsibility of the consumer.

## The service life of filters depends on the following parameters:

1. Filtered water quality
2. Total filter usage time
3. Downtime of filters filled with water

The service life of filter recommended by the manufacturer is based on long-term operating experience of the filters used and cannot be applied to filters from other manufacturers:

- With good water quality – the average volume of filtered water when using one set of filters is 6000 litres
- With average water pollution – the average volume of filtered water when using one set of filters is 5700 litres.
- In case of severe water pollution – the average volume of filtered water when using one set of filters is 5100 litres.
- With a low intensity of operation of the water dispenser, the service life of filters will be exhausted 6 months after the start of operation of the filters, regardless of the volume of purified water.
- If the water dispenser has not been in use for 3 weeks, the manufacturer recommends replacing the filters and sanitizing the device. If the water dispenser has not been used for 3 weeks without turning off the power, the “Cold water” indicator will start blinking, which indicates the need to replace filters and sanitize. If the device is disconnected from the power supply network for a long time, the downtime is not taken into account, and the user must make an independent decision about replacing the filters.

The service life of filters is set depending on the quality of water in the service mode and can be changed only by employees of an authorized service centre.

### Warning:

In case of long downtime of the water dispenser with filters and reservoirs filled with water, an unfavourable biological environment may develop in the aquatic environment, so we recommend replacing the filters and sanitizing the water dispenser after a long downtime.

### 7.2. Sterilization of the cold water tank

To prevent deterioration of water quality, the water dispenser is equipped with the UVC LED sterilizer of the cold water tank.

The operating modes of the sterilizing device can be changed in the service mode, only by employees of an authorized service centre.

### “Recommendations for choosing operating modes of the UVC LED sterilizer”

Operating mode	Mode name	Recommendations for using the selected operating mode
1	Basic operating mode	Recommended operating mode of the UVC LED sterilizer.
2	Enhanced operating mode	It is recommended to use in public places with intensive use of the water dispenser.

## 8. Care and maintenance of the water dispenser.

### Warning:

- The surfaces of the water dispenser should only be cleaned after disconnecting from the power supply network.

### 8.1.Types of sanitization of the water dispenser and their frequency.

#### “Water dispenser sanitization frequency”

Sanitization of the water dispenser with disinfection of the tanks.	At least once every 6 months or if the water dispenser has not been used for 3 weeks.
Replacing water filters.	After the counter of service life of filters has been actuated, but at least once every 6 months from the time the filters were replaced, or if the water dispenser has not been used for 3 weeks.
Thermal self-cleaning of the water	At least once a month or as needed
Cleaning of inner surfaces	At least once every 6 months or as needed
Cleaning of the drip tray*	Daily, using mild disinfectants
Cleaning of the water tap*	Daily, using mild disinfectants
Cleaning of outer surfaces*	As they get dirty
Cleaning of the condenser grid*	At least once a month or as needed

\* this processing can be done by the user

### 8.2.Cleaning of the outer surfaces of the water dispenser:

Cleaning of the outer surfaces of the water dispenser is done by hand, using a hand dish-washing detergent added to warm water. After cleaning of the outer surfaces, it is necessary to wipe them dry using soft wipes or cloths so as not to damage the surface of the water dispenser.

### Warning:

- Detergents containing abrasives, acids, alkalis, and solvents may damage the outer surfaces of the water dispenser.

The water used must not get:

- On the back wall of the water dispenser.
- Inside the water dispenser when the drip tray pos. 15 Fig. 2 is removed.

#### **8.2.1. Cleaning of the drip tray.**

Clean the drip tray pos. 15 Fig. 2 regularly with mild disinfectants, having previously pulled it out of the water dispenser body. Cleaning must be carried out manually, as washing in a dishwasher can damage the surface of the tray.

Monitor the filling of the drip tray with water and pour water out of it as necessary; if water is overflowed into the water dispenser, it may fail.

### **8.2.2. Cleaning of the refrigeration unit condenser of the water dispenser.**

The accumulation of dust on the condenser of the refrigeration unit will impair the performance of the water dispenser. It is necessary to clean the condenser of the refrigeration unit pos. 28 Fig. 2 of the water dispenser from dust in a timely manner. Cleaning of the condenser of the refrigeration unit from dust is possible with a soft non-metallic brush or vacuum cleaner. Using wet wipes and hard objects to clean the condenser may damage the water dispenser.

### **8.2.3. Cleaning of the inner surface of the water dispenser.**

#### **Warning:**

- It is recommended to start cleaning the inner surface of the water dispenser only at least 2 hours after disconnection from the power supply network, after the internal parts of the device have cooled down.
- The inner surfaces of the water dispenser may only be cleaned by a specialist of an authorized service centre or specially trained personnel.

### **8.3. Replacement of the CO<sub>2</sub> gas cylinder:**

#### **Warning:**

- The CO<sub>2</sub> gas cylinder is under high pressure, careless handling such as heating, improper adjustment of pressure and gas supply, damage to the gas supply pipeline may lead to the destruction of the cylinder and surrounding objects;
- The manufacturer is not responsible for the use of third party CO<sub>2</sub> gas cylinders.
- The replacement of the CO<sub>2</sub> gas cylinder may only be carried out by an employee of an authorized service centre or specially trained personnel.

#### **Forbidden:**

- Replacement of a CO<sub>2</sub> gas cylinder by untrained personnel.

### **8.4. Draining water from the water dispenser:**

Draining water from the water dispenser is implemented in two stages:

1. Draining water from the chilled water tank and saturator is done with the power supply of the water dispenser turned on.
2. Draining water from the hot water tank is done with the power supply of the water dispenser turned off and keeping the cooling time for at least 2 hours.

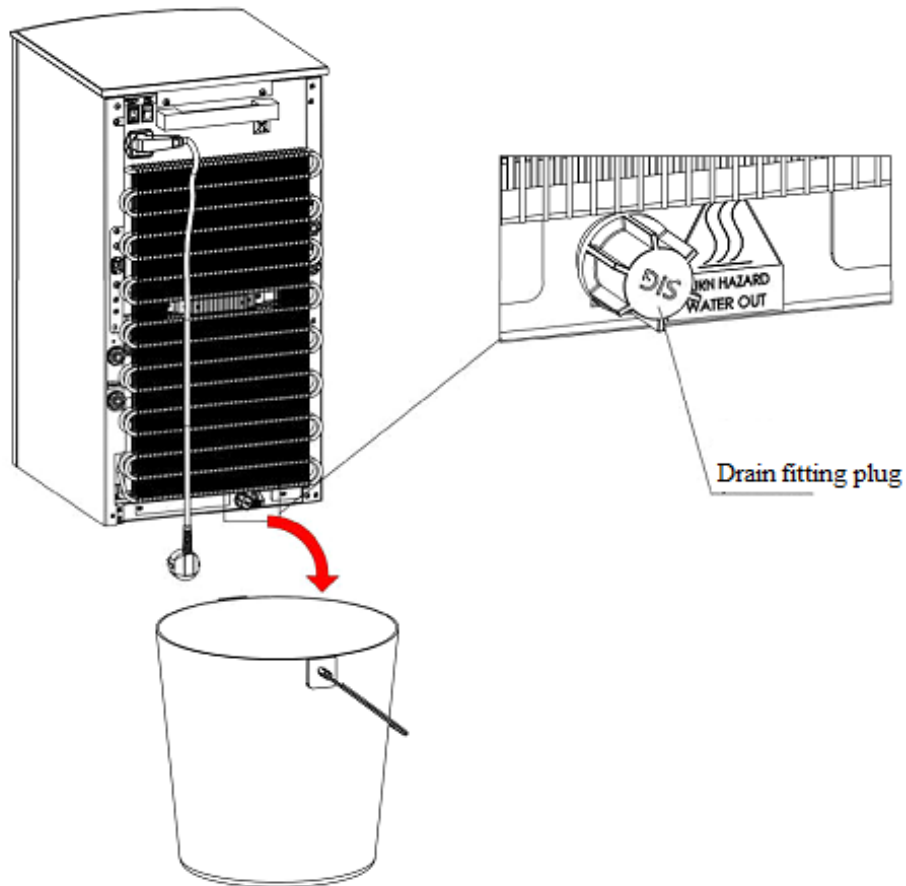


Fig. 31. Draining water from the water heater.

**Forbidden:**

- Drain water from the water dispenser by persons who have not received the necessary training.

**Note:**

- Always drain the chilled water tank and saturator first, then the hot water tank.

**9. The occurrence of possible problems during the operation of the water dispenser and their elimination**

If you have any questions during operation, please contact an authorized service centre for advice, this will help you avoid many problems when operating the water dispenser (hereinafter referred to as the device in the table).

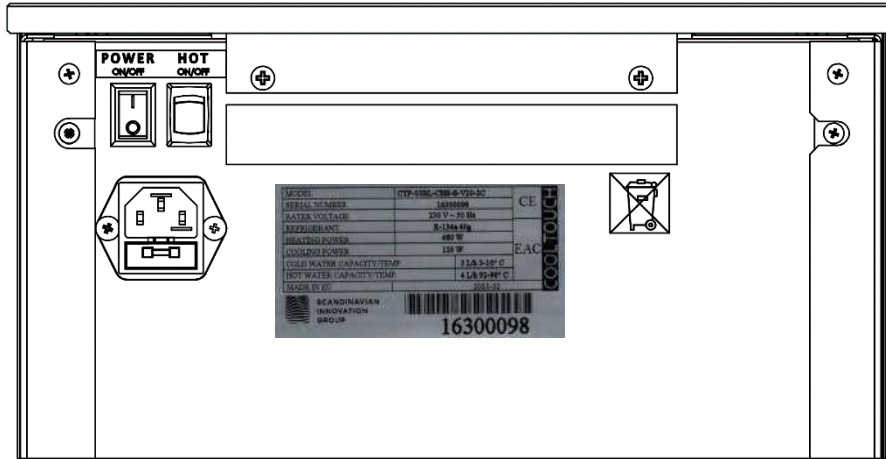
No.	Problem	Cause	Elimination
1	Indicators on the control panel do not light up.	Device power off	Make sure there are no warning labels indicating the reason for turning off and turn on the device
		Absence of voltage in the power supply	When the cause is corrected, turn on the device.
		Device power cord failure	Disconnect the device from the power supply network and water supply, contact an authorized service centre to eliminate the malfunction, restrict access to the faulty device.
		Device failure	Disconnect the device from the power supply network and water supply, contact an authorized service centre to eliminate the malfunction, restrict access to the faulty device.
2	Hot water is cold	Water heater is off	Turn on the water heater and wait for the water to heat up; if after 1 hour the water remains cold, it is a malfunction. Disconnect the device from the power supply network and water supply, contact an authorized service centre to eliminate the malfunction, restrict access to the faulty device.
		The water heater is on.	Wait 1 hour, the heater may have just been turned on. If the water has not heated, then the device is faulty. Disconnect the device from the power supply and water supply, contact an authorized service to eliminate the malfunction, restrict access to the faulty device.
3	Hot water is not hot enough, less than 70°C.	Large consumption of hot water.	The water doesn't get warm. Wait for the water to heat up. Wait 1 hour, the heater may have just been turned on. If the water has not heated, then the device is faulty. Disconnect the device from the power supply network and water supply, contact an authorized service centre to eliminate the malfunction, restrict access to the faulty device.
4	When taking hot water – the delay in dispensing water is less than 5 seconds.	If hot water is used infrequently, a small air pocket will form in the hot water tank.	This is not a malfunction and cannot damage the device.
5	When taking hot water – the delay in dispensing water is more than	The hot water tank is not filled with water.	Malfunction of the device – disconnect from the power supply network, contact an authorized service centre.
6	Chilled water not chilled, the compressor is running. Chilled water temperature is higher than 12°C.	Large consumption of chilled water.	Wait 1 hour, the device may have just been turned on. If the water has not cooled, then the device is faulty. Disconnect the device from the power supply network and water supply, contact an authorized service centre to eliminate the malfunction, restrict access to the faulty device.
7	Chilled water is not chilled, compressor is not running. Chilled water temperature is higher than 12°C.	Device failure.	Check the cold water temperature settings, if the dispensed water settings correspond to the settings, the device is in good order, otherwise disconnect the device from the power supply network and water supply, contact an authorized service centre to eliminate the malfunction, restrict access to the faulty device.
8	Soda water is not chilled, the compressor is running. The temperature of soda water is	Large consumption of chilled or soda water.	Wait 1 hour, the device may have just been turned on. If the water has not cooled, then the device is faulty. Disconnect the device from the power supply network and water supply, contact an authorized service centre to eliminate the malfunction, restrict access to

	higher than 12°C.		the faulty device.
9	The soda water is not chilled, the compressor is not working. The temperature of soda water is higher than 12°C.	Long downtime of the device without the use of soda and chilled water.	Dispense 1–2 cups of soda water.
10	Soda water is not carbonated enough, the OUT OF CO2 indicator does not blink.	The gas tank is almost out.	Check the CO <sub>2</sub> gas pressure in the cylinder, at low pressure – replace the cylinder.
	Soda water is not carbonated enough, the OUT OF CO2 indicator does not blink.	Incorrectly adjusted or faulty CO <sub>2</sub> pressure reducer.	Contact an authorized service centre to eliminate the problem. Do not adjust the reducer yourself, it is life threatening.
11	The device makes a lot of noise during operation.	The device is installed incorrectly	Install the device vertically on a stable base.
		The vibrating base on which the device installed.	Install the device on a sound-absorbing cover.
12	Touching the device discharges static electricity	A large accumulation of static electricity on the human body.	This is not a malfunction.
13	Frequent false positive indication of a malfunction.	The device is not installed stable and may wobble during operation.	Install the device vertically on a stable base.
		Moving the device without disconnection from the power supply network.	When moving, disconnect the device from the power supply network.
14	Long-term operation of the saturator pump. More than	Device failure.	Disconnect the device from the power supply network and water supply, contact an authorized service centre to eliminate the malfunction, restrict access to the faulty device.
15	There is no dispensing of any water when the buttons are pressed, the water dispensing	Device failure.	Disconnect the device from the power supply and water supply, contact an authorized service centre to eliminate the malfunction, restrict access to the faulty device.
16	When the buttons are touched, the water dispensing indicators do not light up.	Inaccurate positioning of the finger on the button.	Position your finger on only one button at a time.
		Damp surface of the control panel.	Wipe the control panel glass.
		Damp surface of the control panel.	When hot water is taken, condensation may form on the control panel. Wipe the control panel glass.
		Device failure.	Disconnect the device from the power supply network and water supply, contact an authorized service centre to eliminate the malfunction, restrict access to the faulty device.
		Damp surface of the control panel.	Wipe the control panel glass.
17	Spontaneous pouring of cold or soda water.	Device failure.	Disconnect the device from the power supply and water supply, contact an authorized service centre to eliminate the malfunction, restrict access to the faulty device.

## 10. Labelling and packaging of the water dispenser:

### 10.1. Labelling of the water dispenser:

- Each device must be labelled in the form of a self-adhesive label, which contains the necessary information:

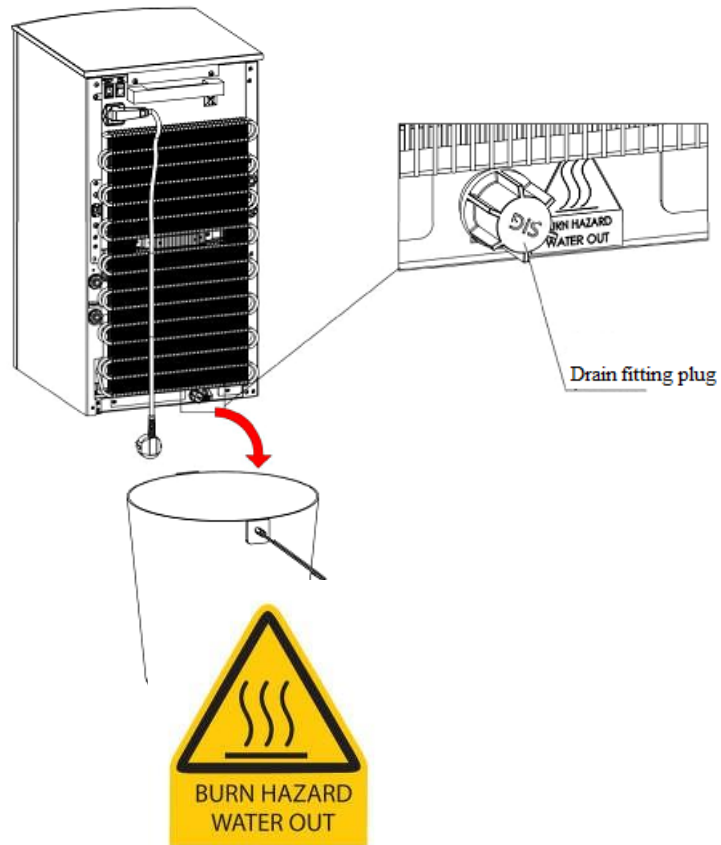
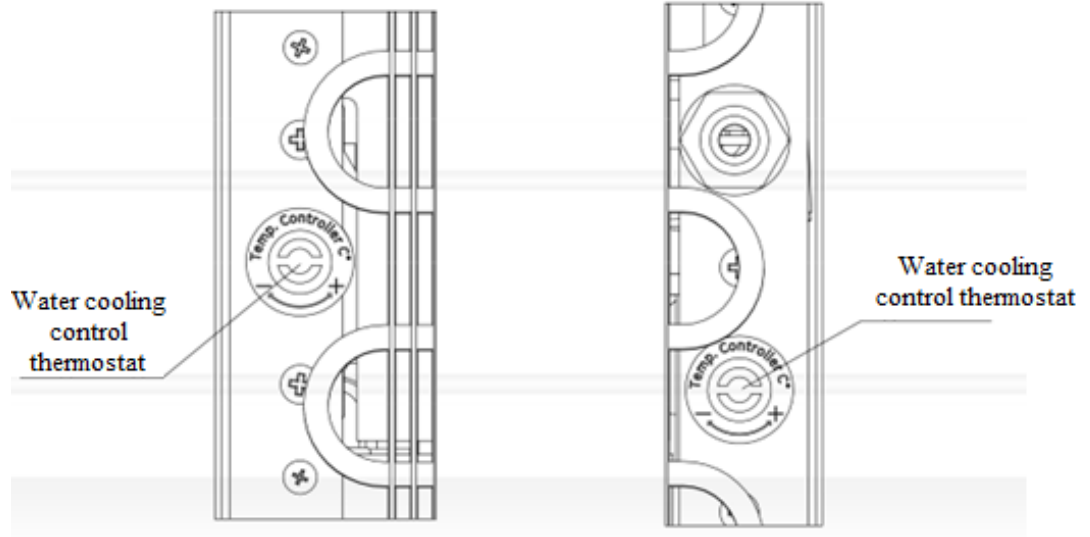


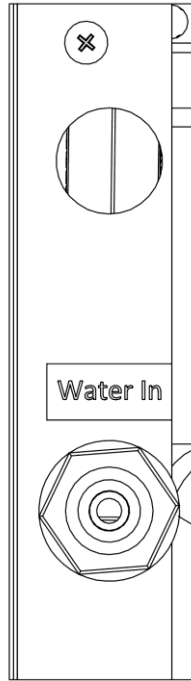
Labels located on the outside of the dispenser.

MODEL	CTP-03BL-CHS-6-V20-2C	CE	COOLTOUCH
SERIAL NUMBER	16300098		
RATER VOLTAGE	230 V ~ 50 Hz	EAC	
REFRIGERANT	R-134a 40g		
HEATING POWER	480 W		
COOLING POWER	120 W		
COLD WATER CAPACITY/TEMP.	3 L/h 3-10° C		
HOT WATER CAPACITY/TEMP.	4 L/h 92-96° C		
MADE IN EU	2023-02		
16300098			









# Water In

Labels located inside the device.



## Label on the packaging of the water dispenser



### **10.2. Packaging of the water dispenser:**

The packaging of the water dispenser is produced by the manufacturer and includes:

- Polyethylene bag – 1 pc
- Transport packaging:
  - o Cardboard box – 1 pc
  - o Cardboard pallet – 1 pc
  - o Packing tape – 2 pcs

Operating documentation is packed in a plastic film bag and placed inside the water dispenser.

### **11. Transportation and storage of the water dispenser:**

- Water dispensers in transport packaging must be transported by covered road, rail or sea transport in accordance with the rules applicable to the respective type of transport.
- The placement and fastening of water dispensers in vehicles should ensure their stable position; exclude the possibility of displacement of water dispensers and their impacts on each other, on the walls of the transport packaging and vehicles.
- Water dispensers should be stored on shelves in the manufacturer's packaging in an upright position, while stacking of water dispensers is forbidden.
- The distance from the water dispenser in the packaging placed on a shelf to any object (including the walls and floor of the storage) must be at least 10 cm.
- The distance from the water dispenser in the packaging to the heater must be at least 50 cm.
- Storage conditions for water dispensers:
  - air temperature should be 5 to 40°C;

- relative air humidity should not exceed 80% at 25°C.
- The room air must not contain dust, acid and alkali vapours, as well as corrosive gases.

## **12. Service life of the water dispenser:**

The service life of the water dispenser is 10 years.

### **Attention:**

- At the end of the service life of the water dispenser, the manufacturer is not responsible for the safe operation of the device.

Further operation may be unsafe, as the likelihood of electrical and fire hazardous situations increases significantly due to the natural ageing of materials and wear of the components of the water dispenser.

## **13. Manufacturer's warranty:**

The warranty period for the operation of a water dispenser is 24 months from the date of sale, provided that the consumer observes the operating rules set forth in this operating instruction, as well as the requirements for transportation and storage of water dispensers.

Elimination of defects that have arisen during the warranty period must be carried out by means of free repair by the manufacturer.

### **13.1. Warranty terms:**

#### **13.1.1. Certificate:**

The warranty is only valid with a valid Warranty Certificate.

- The Warranty Certificate is invalid if it contains errors, inconsistencies and corrections.
- The following fields must be filled in the Warranty Certificate:
  - Name of the water dispenser;
  - Model;
  - Serial number of the water dispenser;
  - Date of sale;
  - Seller's signature;
  - Sales organization seal.

### **13.1.2. Transportation and storage:**

- Any defects of the water dispenser caused by careless transportation and storage of the water dispenser are not eligible for free warranty repair.

### **13.1.3. Installation and operation:**

Free warranty repair will not be performed if the defect of the water dispenser is caused by:

- Incorrect connection of the water dispenser to the power supply network and water supply, as well as non-compliance of the parameters of the power supply network and water supply with the parameters required by mandatory state standards and the operating instruction.
- Use of the water dispenser not in accordance with the operating instruction, as well as negligent operation resulting in mechanical or other types of defects.
- Use of the water dispenser not in accordance with its intended purpose or in inappropriate operating conditions.

### **13.1.4. Repair:**

Free warranty repair will not be performed if the water dispenser:

- Has traces of tampering or repair by unauthorized persons.
- Has unauthorized design changes or unacceptable accessories.
- Has damage caused by unpredictable phenomena and the actions of the elements.
- Has damage caused by the use of non-standard and unacceptable consumables and accessories.
- Has damage caused by the ingress of foreign objects, aggressive substances, animals and insects into the product.
- Does not have a serial number or cannot be installed.
- The warranty does not cover consumables and accessories.

### **13.1.5. Responsibility:**

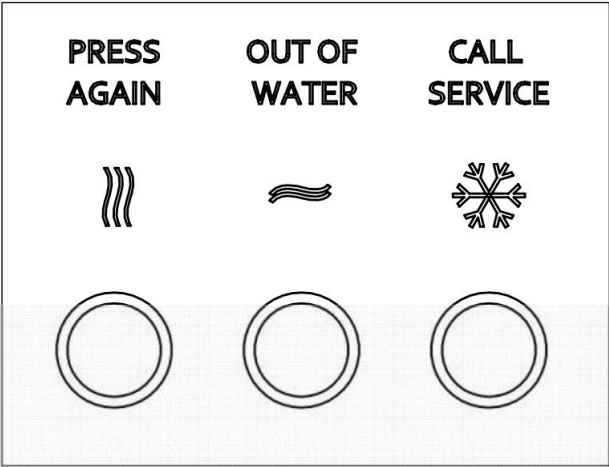
- The manufacturer is not responsible for any damage caused to you and others due to violation of the rules of the operating instruction, especially caused by incorrect connection to the power supply network and water supply, as well as non-compliance of the parameters of the power supply network and water supply with the parameters required by mandatory state standards and the operating instruction, improper operation, unauthorized repair, use of the water dispenser for other than its intended purpose.

## **14. Water dispenser delivery set:**

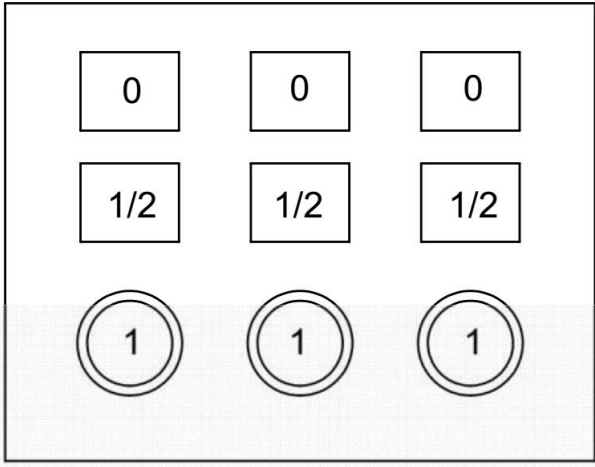
1. Water dispenser – 1 pc.
2. Operating instruction – 1 pc.
3. Brief operating instruction – 1 pc.
4. Warranty Certificate – 1 pc.

**Annex 1. Conventions used in the text of the instruction.**

*Example of displaying icons on the front glass of the device*



*Example of displaying indicators in the text*



Symbol	Description
0	does not glow
1	glows bright
1/2	glows dimly
M	icons are flashing
V	glow of icons can be different
↑	press and release the button
↑ +	press and hold the button
↑↑	press and release 2 or 3 buttons at the same time
↑↑ +	press and hold 2 or 3 buttons at the same time
→ →	LEDs blink one at a time from left to right
← ←	diodes flash one by one from right to left
↑ ↑	mode selection by successive button presses

## **Annex 2. List of regulatory documents used in the operating instruction.**

Directive 2012/19/EU on Waste Electrical and Electronic Equipment (WEEE)

GOST 15150-69. Machines, instruments and other industrial products. Modifications for different climatic regions. Categories, operating, storage and transportation conditions as to environment climatic aspects influence (with Amendments 1, 2, 3, 4, 5)

GOST 30804.3.2-2013 (IEC 61000-3-2:2009). Electromagnetic compatibility of technical equipment. Harmonic current emissions (equipment input current  $\leq 16$  A per phase). Limits and test methods

GOST 30804.3.3-2013 – Electromagnetic compatibility of technical equipment. Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems. Equipment with rated current  $\leq 16$  A per phase and not subject to conditional connection. Limits and test methods

GOST IEC 60335-1-2015. Household and similar electrical appliances. Safety. Part 1. General requirements.

GOST 14254-2015 (IEC 60529:2013). Degrees of protection provided by enclosures (IP code).

### **Annex 3. Instruction for using the phone app.**

Devices equipped with a Bluetooth communication module: .....

7.1. Connecting the device to the app: .....

7.2. Water dispensing: .....

7.3. Use of water and filters: .....

7.4. Power saving: .....

7.5. Maintenance: .....

7.6. Maintenance: .....

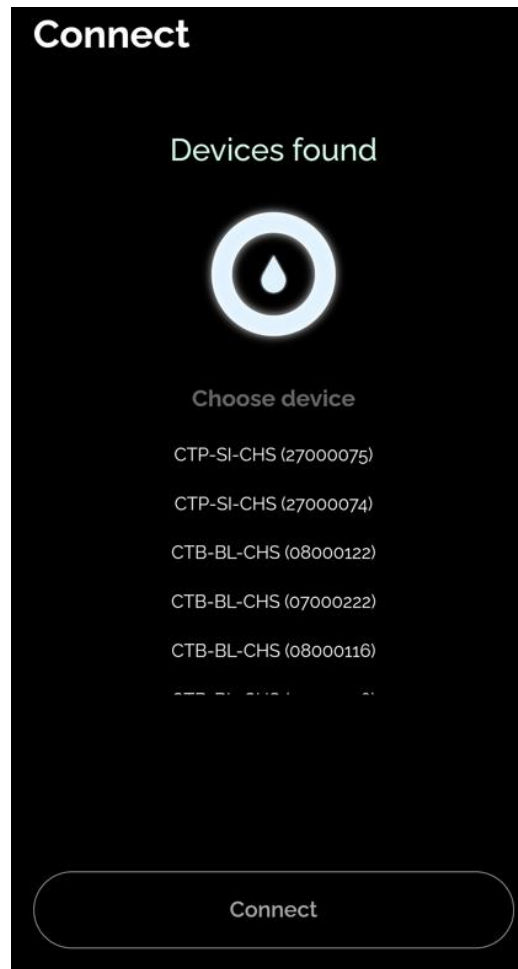
7.7. UVC LED mode: .....

7.8. Reset to factory settings: .....

7.9. App language: .....

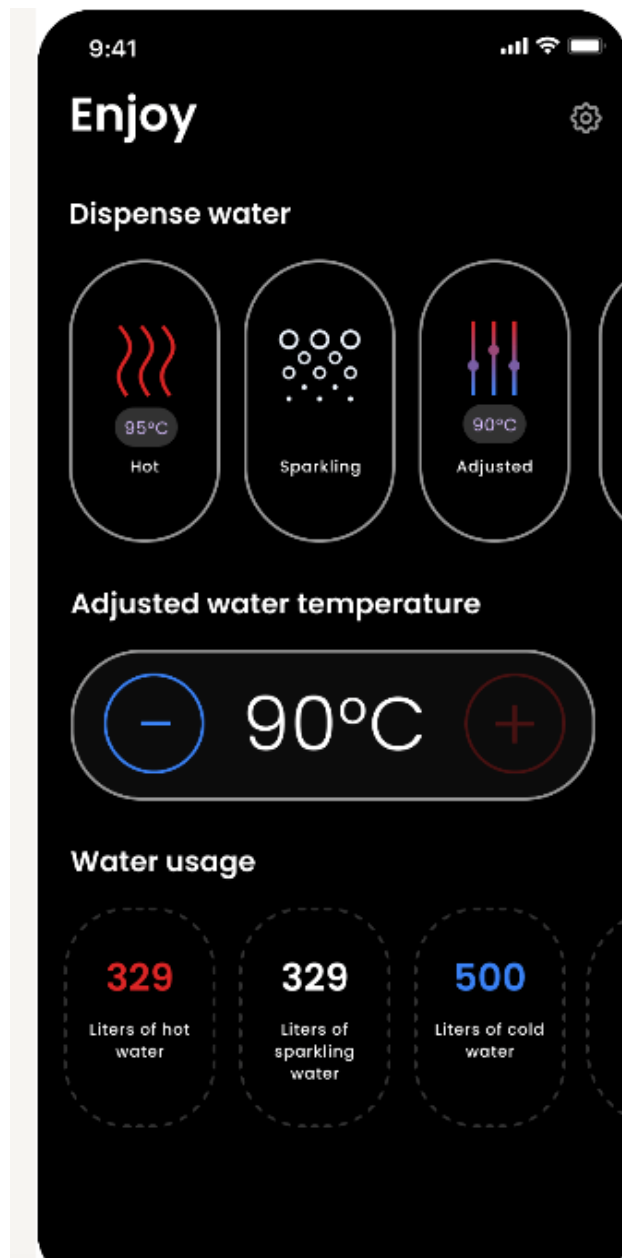
### **7. Water dispenser equipped with Bluetooth communication module**

#### 7.1. Connecting the water dispenser to the app:





- To connect the water dispenser to the app, your mobile phone must have Bluetooth enabled and access to location data.
- On the mobile app, click the “Detect device” button.
- After the app finds devices that are within range, click on the device to which you want to connect and click the “Connect” button.
- After successfully connecting to the device, the water dispenser control panel will appear on the mobile device.



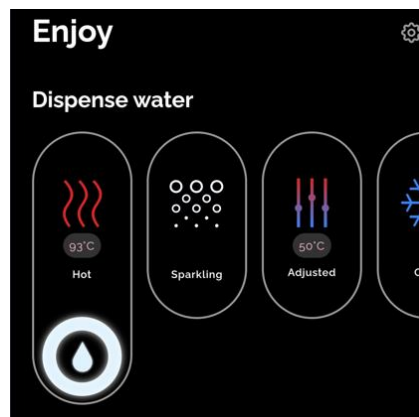
## 7.2. Water dispensing:

The dispenser equipped with a communication module has 5 types of dispensed water:

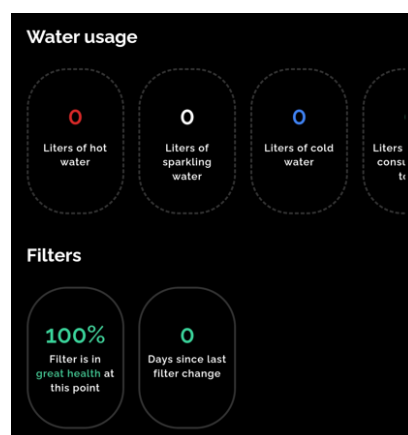
1. Hot
2. Soda
3. Cold
4. Room temperature
5. Adjustable in the range of 20–90°C.



- To dispense water, you must click on the icon for dispensing the required water.
- After clicking, the icon will change its appearance and a round button with the image of a water drop will appear.
- Click the button that appears and hold until the required volume of water is filled.
- Release the button.



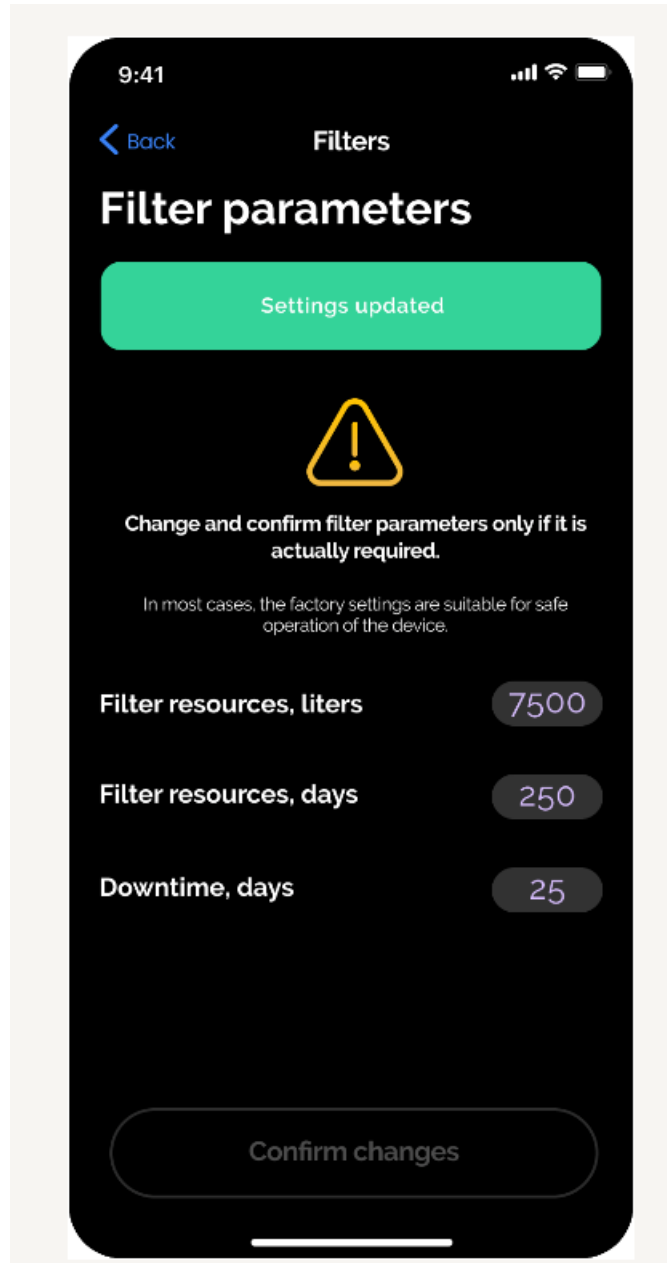
## 7.3. Use of water and filters:





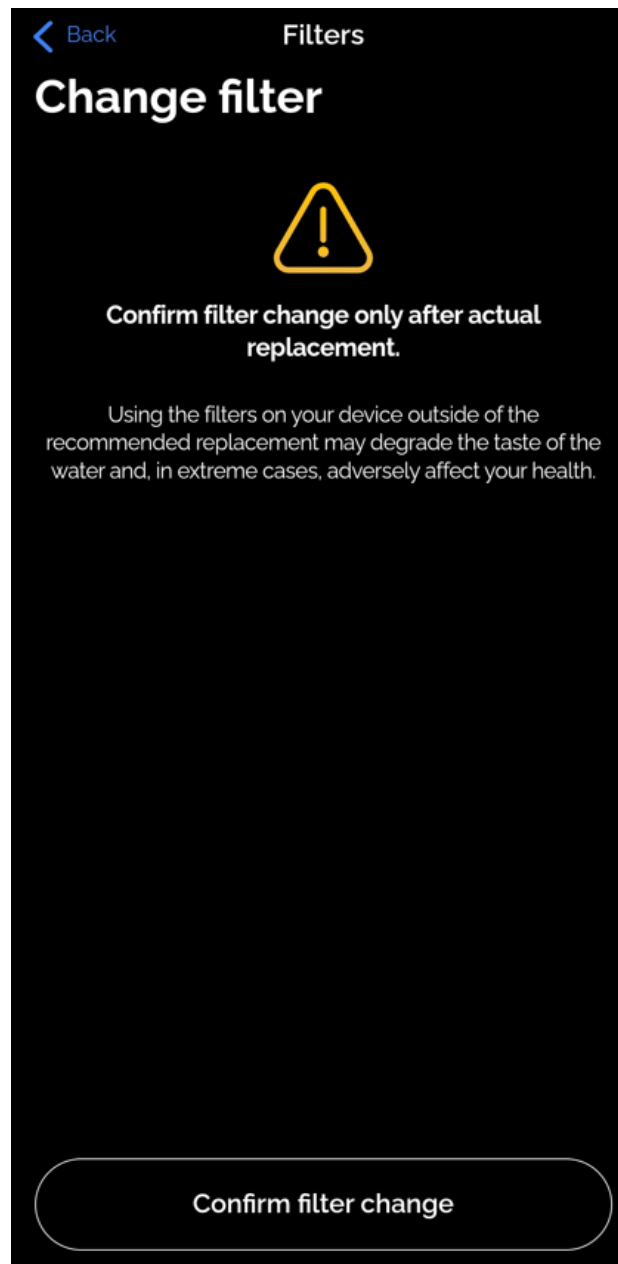
Using the mobile app, you can change the settings of the service life of filters in litres and days, receive information from the water dispenser about the remaining service life and reset the service life of filters.

### 7.3.1. Setting the service life of filters:



- To set the service life of filters in the “Settings” section, select the “Filters” item and go to “Filter options”. Set the desired service life in litres and days. Click the “Confirm changes” button. After confirming the changes, the water dispenser will recalculate the algorithm.

### 7.3.2. Resetting the service life of filters:

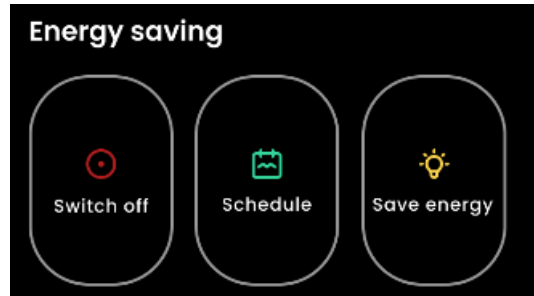


- To reset the service life of filters in the “Settings” section, select the “Filters” item and go to “Filter replacement”.

To reset the service life of filters and the water meter, click “Confirm filter replacement”. After clicking the button, the service life of filters will be set to 100% and the water meter – to 0 l.

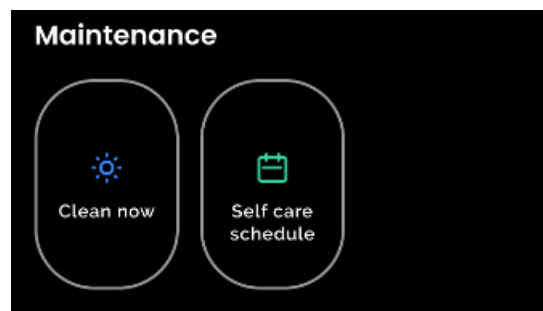
#### 7.4. Power saving:

Your water dispenser is equipped with a power saving system. The power saving mode can be turned on or off, you can turn on power saving manually or by calendar.



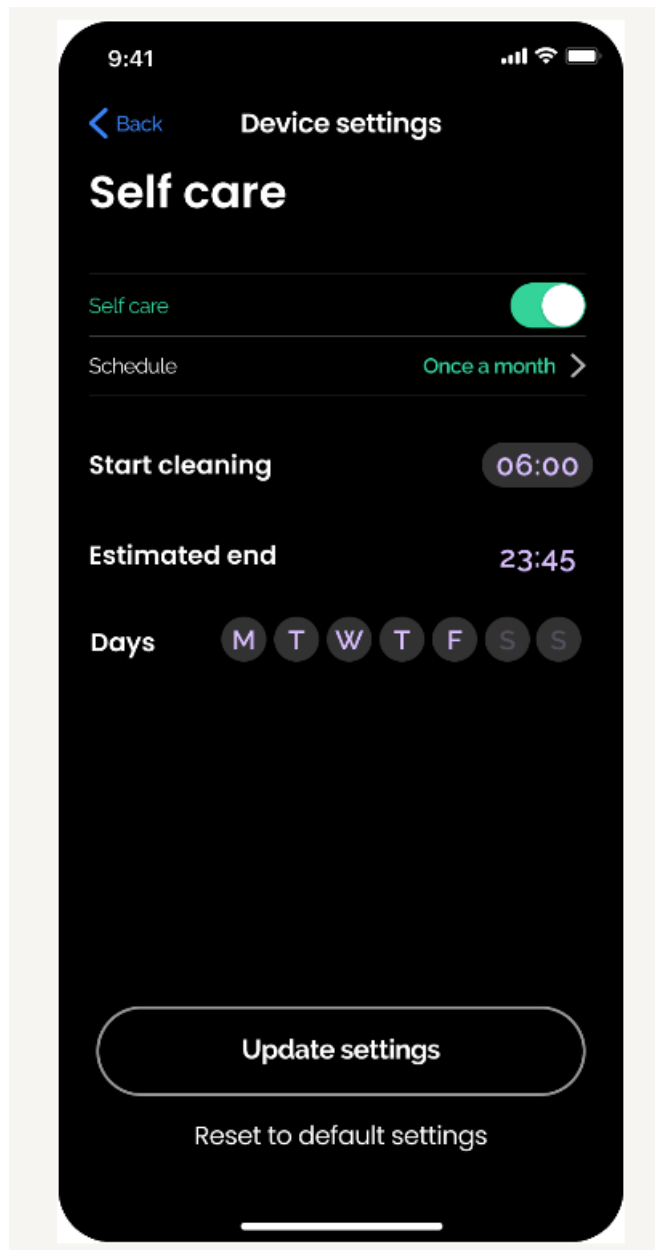
#### 7.4. Maintenance:

Your device is equipped with a self-cleaning system.

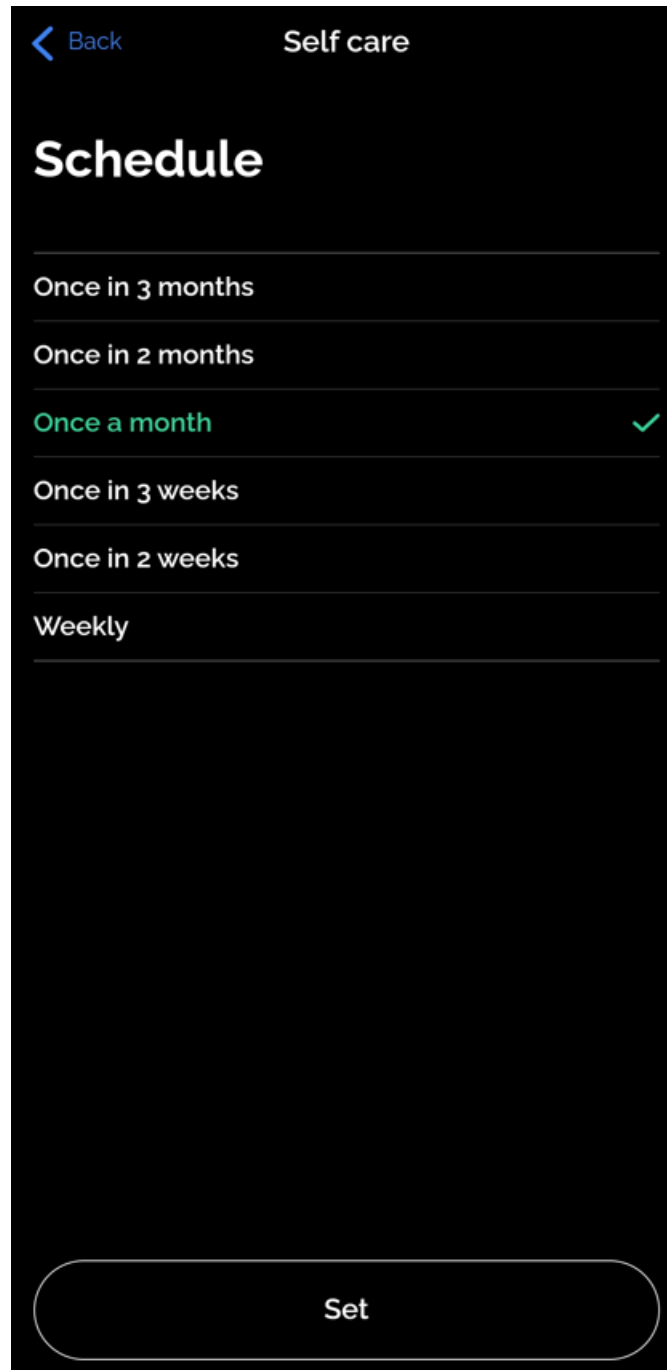


To enable self-cleaning, in the “Maintenance” section, select enabling self-cleaning manually or according to a schedule. The self-cleaning process takes about 3 hours. During this time, the device will not dispense water and the following information will be displayed on the app: To set a self-cleaning schedule:

- Click on the “Self-cleaning schedule” button.



- Select the frequency of the schedule.



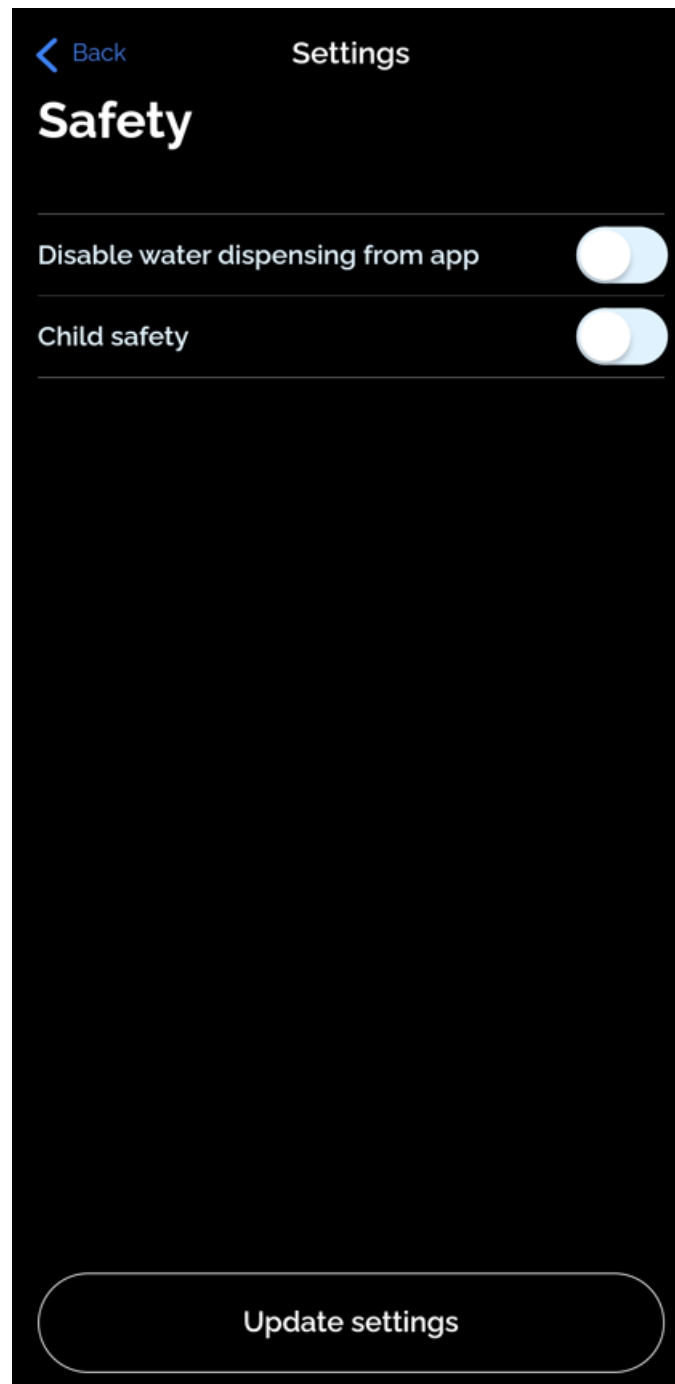
- Select the start time for self-cleaning
- Select the day of the week to enable self-cleaning
- Click the “Change settings” button. The self-cleaning time has been set.



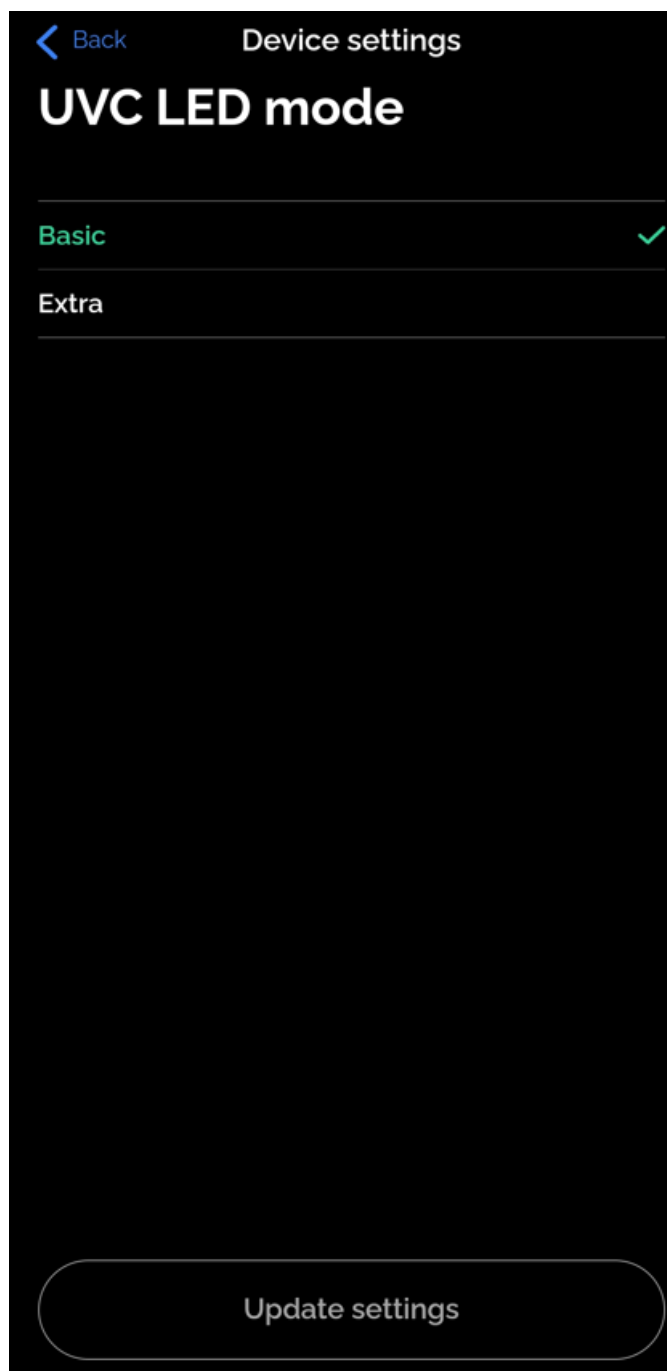
### 7.6.Safety:

In the “Safety” section, you can activate or deactivate the dispensing of water through the app and the child safety mode.

To do this, select the desired function and move the switch to the “Active” or “Not active” position.



## 7.7.UVC LED mode:

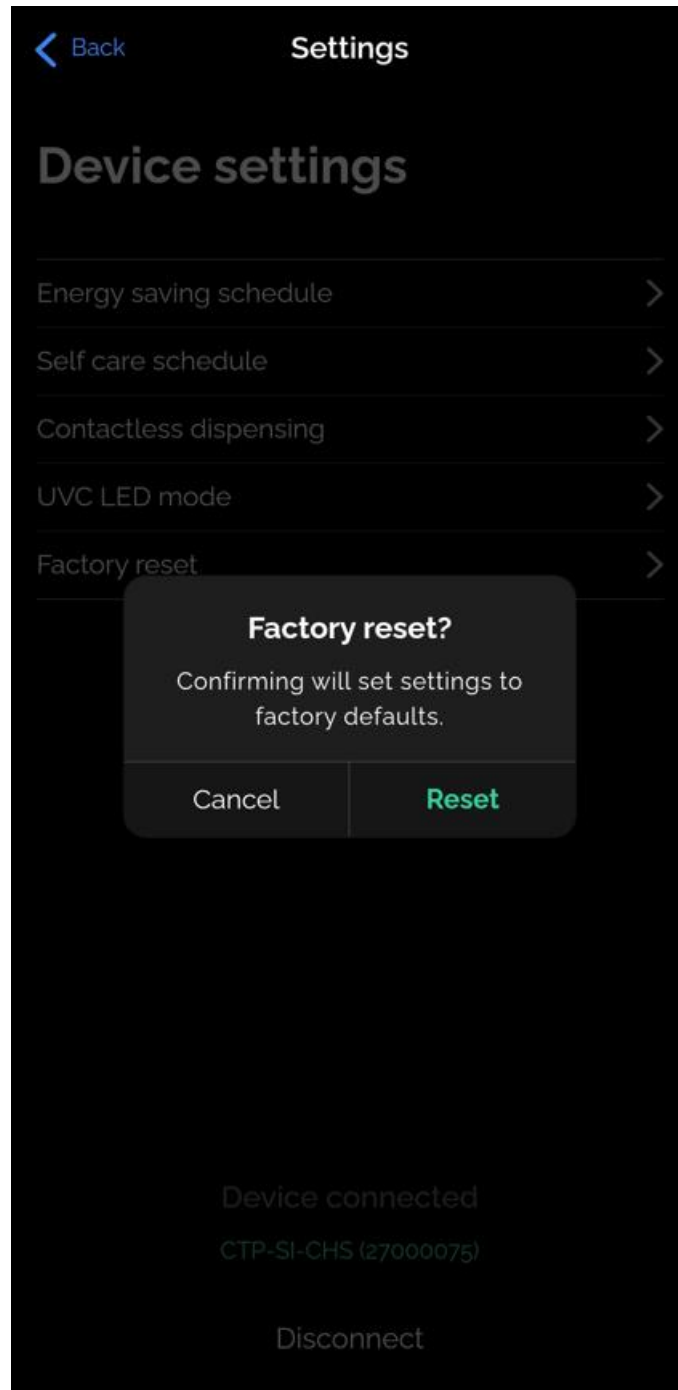


Your water dispenser is equipped with UV water sterilization using UVC LED technology. Through the app, you can set two modes of water treatment: basic and extra. Select a mode and click the “Change settings” button.

### 7.8.Reset to factory settings:

From the app, you can reset the water dispenser to factory settings.

To reset the settings, enter the “Device” section, select “Reset to factory settings”. A pop-up window will display the information “Reset factory settings”. Confirm by clicking the “Restart” button. After confirmation, all settings of the water dispenser will be returned to the factory settings.



### 7.9.App language:

- To set the communication language of the app, in the “Settings” section, select the “App language” item and select the communication language. After selecting the language, click the “Change language” button.

