OSMOFRESH
PREMIUM OSMOSEANLAGEN

Fusion Ice



Operating Instructions

OsmoFresh®
is a brand of
purecom GmbH

Platanenstraße 1a
Landsberg am Lech
GERMANY

Disposal
Please dispose of the packaging material in an environmentally friendly way so that it can be recycled.
The device is subject to the European Directive 2012/19/EU on Waste Electrical and Electronic Equipment (WEEE).
Do not dispose of the device with normal household waste, but dispose of it in an environmentally sound manner through an officially approved disposal company.





Hello! We are delighted that you have chosen our osmosis system Fusion Ice. We hope you have a lot of fun unpacking and installing it. With the Fusion Ice, you have brought perfectly filtered and mineralised water into your kitchen.
We have placed great emphasis on the best quality, taste, and a simple design.
In this manual, we will guide you step-by-step through the installation and application options of your new system.

If you encounter any problems or difficulties
please feel free to contact us at any time. Simply send us an email to info@osmofresh.de or send us a
WhatsApp by scanning the QR code next to it.
scan the QR code next to it.
scan.

P.S. Remember to keep these operating instructions safe in case you need them again at a later date.

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...don't lose track

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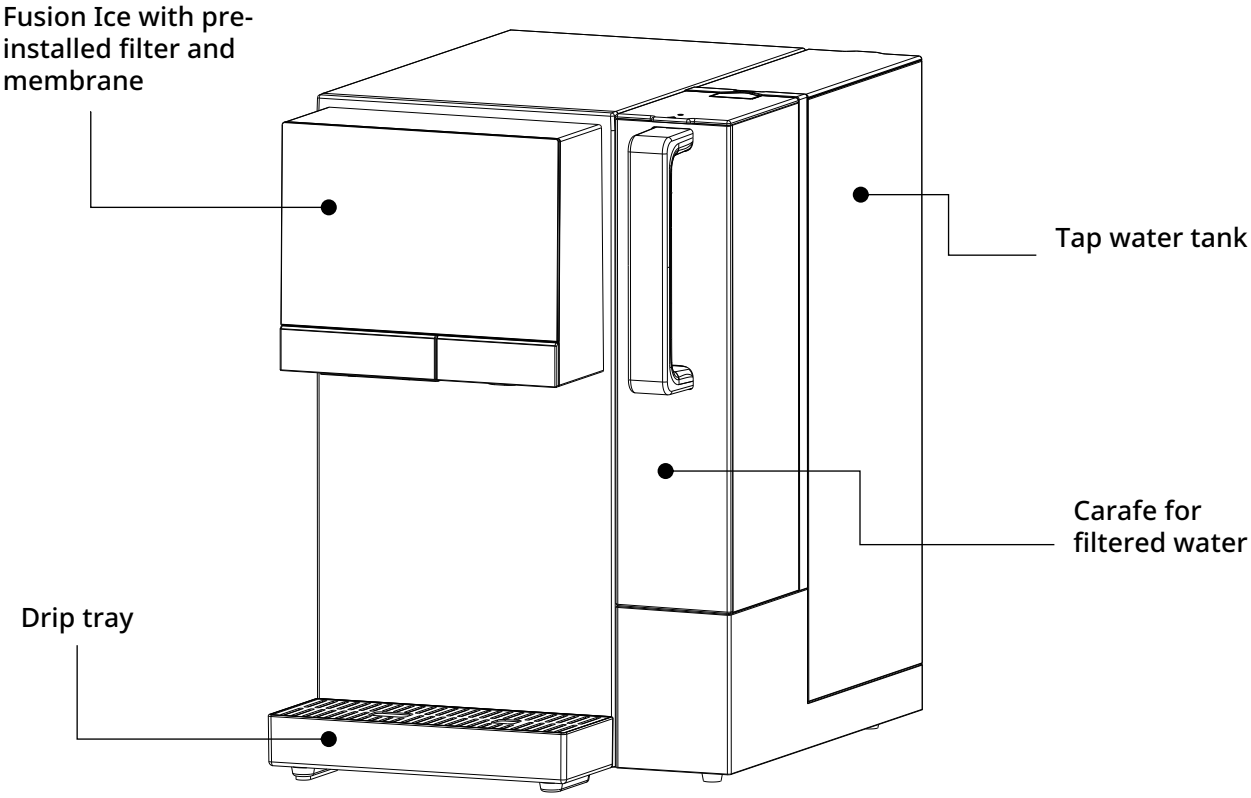
Safety Instructions – Before Use

1. Let the device stand still for at least 24 hours before plugging it into the socket. Otherwise, the cooling system of the device may be severely damaged.
2. This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities or lack of experience and knowledge, unless they are supervised or have been instructed in the safe use of the appliance.
3. Children should be supervised to ensure that they do not play with the appliance.
4. This appliance can be used by children aged 8 and over, provided they are supervised or have been instructed in the safe use of the appliance and understand the associated hazards. Cleaning and user maintenance must not be carried out by children unless they are older than 8 years and are supervised. Keep the appliance and its power cord away from children under 8 years of age.
5. If the power cord is damaged, it must be replaced by the manufacturer, its service agent or a similarly qualified person in order to avoid a hazard.

Scope of Delivery

...what's included

Scope of Delivery



Before Installation

...on your marks

Preparation

Open the cardboard box and take out your new system and the included accessories. Before you begin the installation, you should check the product for completeness and any damage. If you notice any damage, it is best to contact us by email or WhatsApp with attached pictures and your customer or invoice number. We are always happy to help and will find a quick solution to your problem.

Technical Data

To achieve optimal performance, we recommend using the system within the following parameters.

Model	ROFUICE
Product Dimensions (H x W x D)	455x305x415mm
Hot Water Output	18 L/h (90°C); 2200W≥
Cooling Capacity	2.5L/h (≤ 10°C); 110W
How much % pure water is produced from 1L of tap water?	70-75%
Inlet water temperature	5-38°C
Inlet water requirements	municipal tap water
Rated voltage	220V–240V~
Rated current	10A
Frequency	50Hz
Rated power	2300W
Water tank capacity	4.5L
Pure water carafe capacity	2L
Coolant	R600a 27g
Standby power consumption (incl. ice cubes)	1.2kWh/24h≤
Weight	16.6kg
Operating pressure	0.4-0.8Mpa
Climate type	N/SN/ST/T

A fused electrical connection (approx. 230 Volt, min. 10 Ampere) is required.

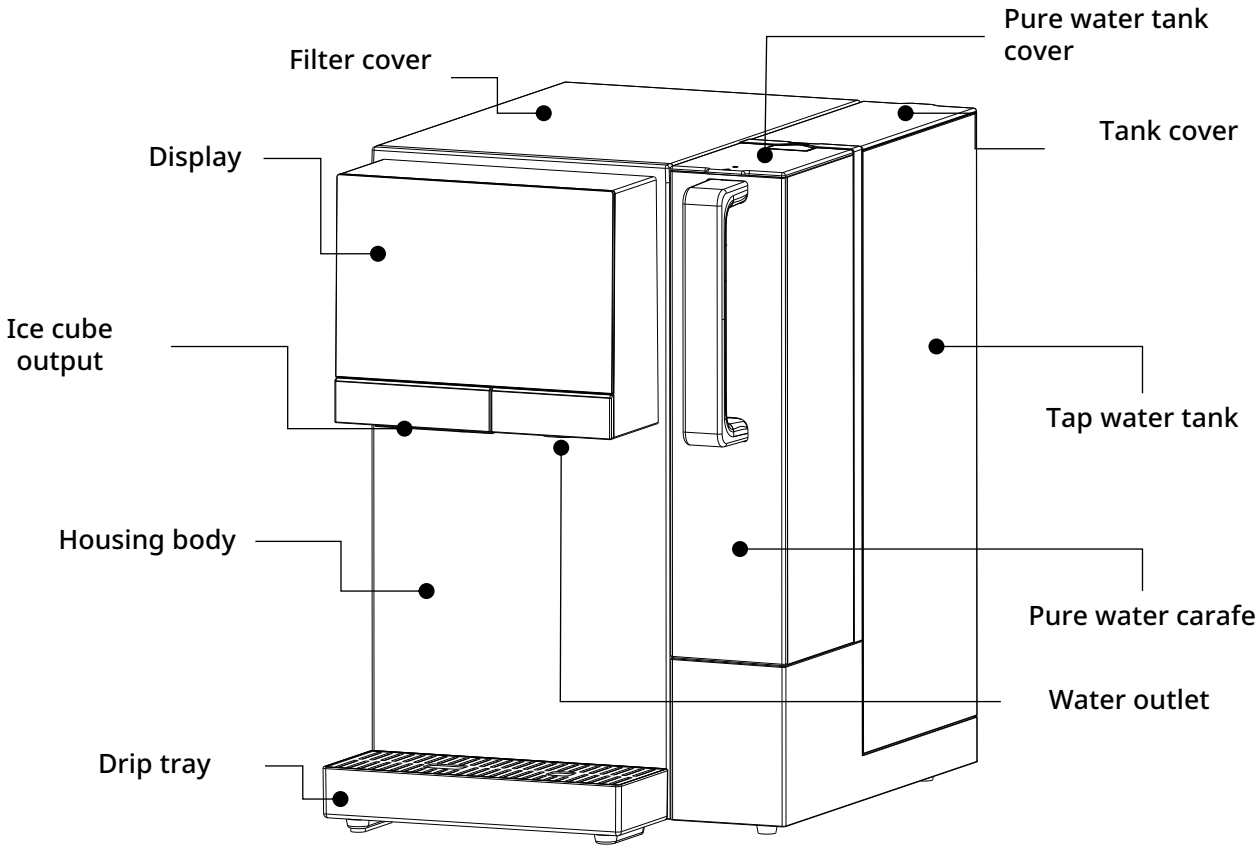
NOTE
The maximum flow rate was tested at a water temperature of 25°C and a supply water pressure of 3 bar.
If well water is used as inlet water, it must be ensured that the inlet water has passed through a pre-filter system.
The unit must not be used with water that is microbiologically contaminated or of unknown quality without adequate disinfection before or after use of the unit.

Allow the unit to rest for at least 24 hours before connecting it to the power supply. Otherwise, serious damage to the cooling system may occur.

Useful tips

...done...

Get to know your Fusion Ice



Installation

...Let's go!

Initial start-up

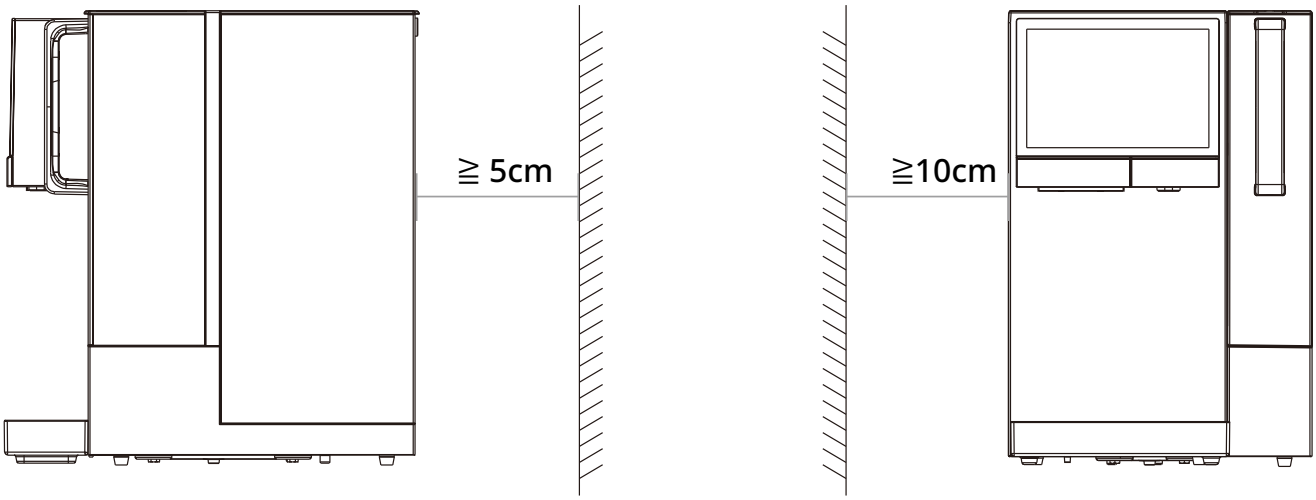
NOTES

VERY IMPORTANT – AFTER UNPACKING, BE SURE TO LET YOUR DEVICE STAND STILL AND UPRIGHT FOR AT LEAST 24 HOURS.

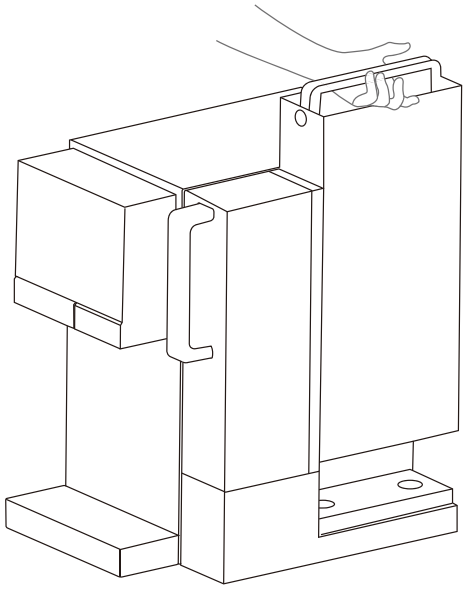
Connecting the device to the power supply earlier can cause serious damage to the cooling system.

1. Remove all blue transport locks and place the Fusion Ice in your desired location. Place the drip tray below the water outlet.

2. **Leave sufficient space on the left side and at the back of the Fusion Ice so that waste heat can circulate unimpeded. Otherwise, overheating may occur. See illustration. The ventilation slots must always remain clear.**



3. Remove the lid of the tap water tank and pull it upwards. Rinse the tank with some water and fill it up to the top mark with water. Place the tank back on the unit and put the lid back on the tank. Plug the unit into the socket.

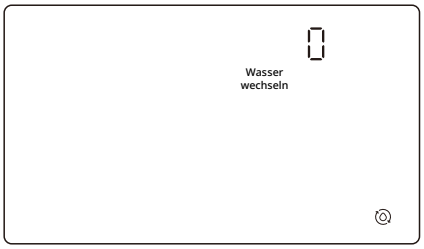


4. Initial flush sequence
    - The flush takes place in 3 cycles of 5 minutes each
    - Total time: 15 minutes
    - During the process, the display counts down from 300 to 0 seconds

5. Display on the screen:
   A countdown shows the remaining time in seconds (e.g., 300 – 0).



In rinse mode



Change water

6. 'Change water' indicator:
   After each 5-minute cycle, the display shows the message 'Change water'. The tap water tank is then completely emptied and refilled to the maximum fill level.

NOTE
To maximise the lifespan of the filter elements, we recommend the following:

After each flush cycle (every 5 minutes):
- Empty the water completely
- Then refill the system with fresh tap water. This ensures that residues are reliably flushed out and the filters work efficiently from the start.

7. After flushing: Once all three flush cycles are complete, the Fusion Ice osmosis system is ready for regular operation.

8. Done. You can now dispense freshly filtered water.

Switch to operating mode

1. After the three rinse cycles are complete, the system automatically switches to water production mode. The display "Water preparation" will appear permanently on the display – your system is now ready for operation.

2. After the system has been preparing water for a certain period, the symbol on the display will turn off.

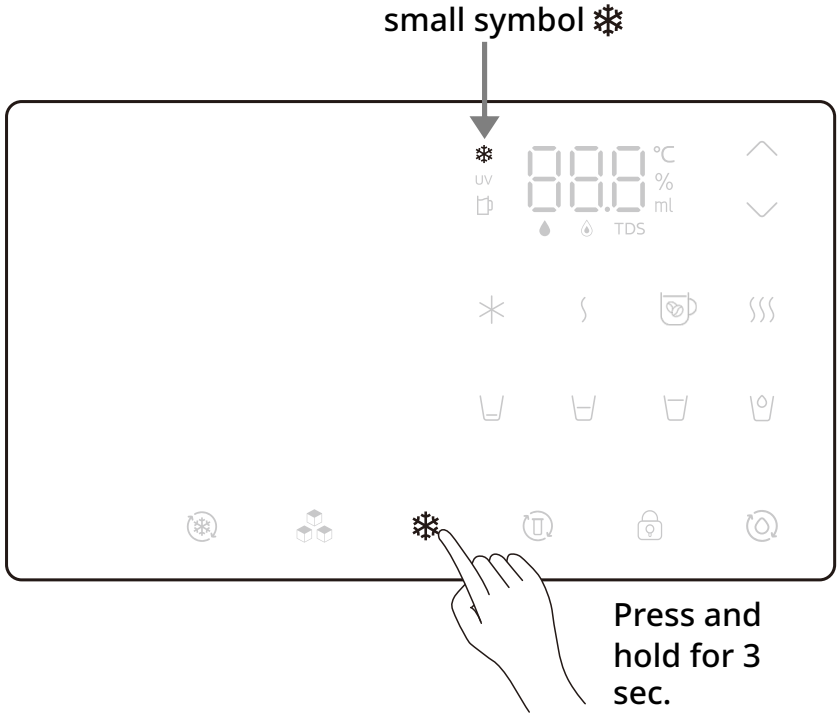
3. As soon as the symbol is no longer displayed, the osmosis system is fully operational and can be used as normal.

TIP
Always press the tank and carafe firmly into place. Leaks may occur if the carafe / tank is only half inserted.

First-time activation of the cooling function

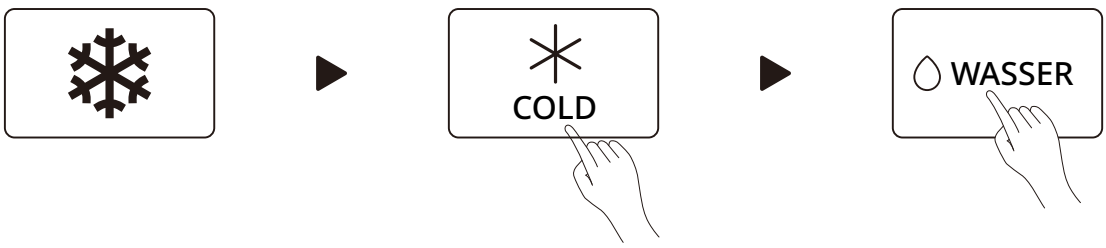
Once water preparation is complete, you can switch on the cooling function of your system.

Here's how:
1. Press and hold the ❄ button for approximately 3 seconds.
2. The small symbol ❄ will start to flash.
3. When cooling is active, the button ❄ will light up permanently.



4. After cooling is complete, the small symbol ❄ will stop flashing and light up permanently – this indicates that the water is now cooled.

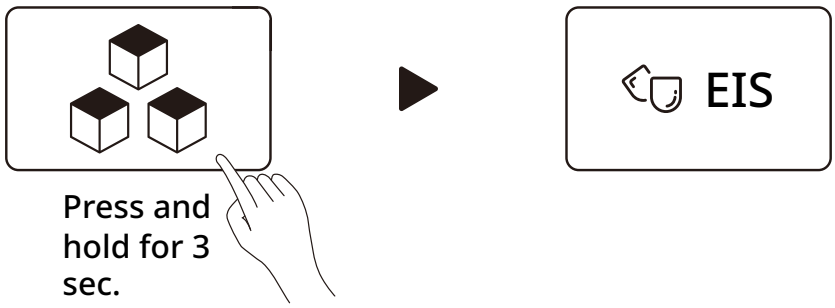
5. How to dispense chilled water:
   Tap the Cold button to select cold water.
   Then press the WASSER button – the water will be dispensed.



First-time ice production

Once water preparation is complete, you can switch on the ice function of your system.

Here's how:
1. Press and hold the button for approximately 3 seconds.
2. The text ”Eisproduktion" will start flashing on the display.
3. Once the water temperature in the cold water tank reaches the required temperature, ”Eisproduktion" will light up permanently – the device will automatically start producing ice.
4. After approximately 15 minutes, the first ice preparation process is complete, and you can dispense the first ice cubes.



NOTE on ice preparation duration
- At room temperature, complete ice production takes about 2 hours.
- The first production of the first batch of ice takes approx. 30 minutes. After that, a new row of ice (9 pcs.) will be produced every 10 minutes – until the ice compartment is completely full.

When the ice compartment is full, the button will light up permanently. The ”Eisproduktion" display will turn off. This means: The ice compartment is full.
Press the ”EIS" button to dispense ice.



Using the removable pure water carafe

Your system is only functional in combination with the corresponding pure water carafe.
Every Fusion Ice comes with a suitable pure water carafe. If you need a second or even a third carafe additionally, you will find them at osmofresh.de

Important: When the pure water carafe is removed from the system, the symbol , will start flashing on the display.
In this state, no water can be prepared.
The symbol will light up continuously when the pure water carafe is on the system, but the carafe is empty.

Please clean the pure water carafe thoroughly before first use.

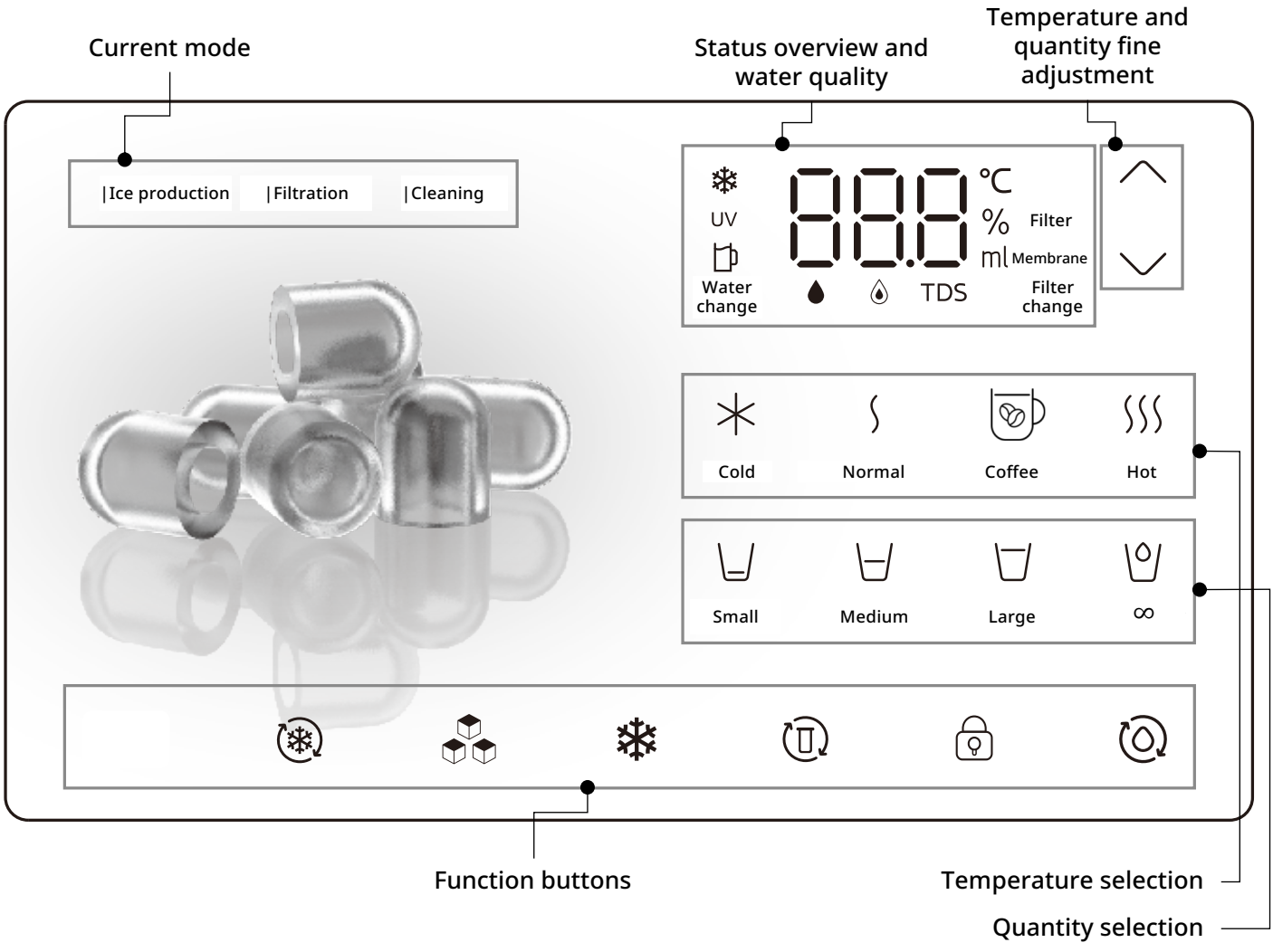
Every time you reinsert the pure water carafe into the machine, the system will automatically start producing water to refill the carafe.

The ”Filterung" display will light up permanently during this process.

As soon as the display turns off, the tank is completely full and the system can be used normally again.

Daily use

Display (the real display is in German – here a translation for better understanding)



Icon	Label	Description
	Cleaning mode	**Activate cleaning mode** • Press and hold the button for approx. 3 seconds to start the cleaning mode. • When cleaning is active, you can end it at any time by briefly pressing the button. **Automatic cleaning reminder** • The system will automatically remind you to clean after 7 days of non-use. • When this period is reached, the cleaning symbol on the display will start to flash. • This way, you always keep an eye on the cleaning cycle and ensure permanently hygienically clean water.
	Child lock	• Press and hold the button with the lock symbol for approx. 3 seconds to activate or deactivate the child lock. • If the child lock is activated and the water temperature is above 40°C, you must press the lock button again to release the water dispensing. If this is not done, the lock symbol will flash twice and the device will emit a short audible signal. • Once the child lock is deactivated, you no longer need to manually unlock the water – it is immediately available.

	Filter life Reset	• Briefly tap the button with the filter symbol to access the filter reset settings.
		• First, the remaining service life of the 'Membrane' is displayed in % – then tap again to switch to the remaining service life of the 'Filter'.
		  • Press and hold the button for approx. 3 seconds to reset the selected filter element.
		  • After a successful reset, the device will emit an audible signal (beep).
		  • The device will now flush for approx. 600 seconds, counting down on the display.
		  • After flushing, replace the water in the tap water tank.
		  • After the reset, the remaining service life of the respective element will be back at 100%.

	Cooling function	• The cooling function is deactivated by default. • Press and hold the button with the snowflake symbol for approx. 3 seconds to switch the cooling function on or off. • If the cooling function has been activated, the corresponding indicator light will start to flash. • The symbol will continue to flash during the cooling process. • Once cooling is complete, the symbol will light up continuously white. • If the cooling function is deactivated, the cooling symbol will be displayed with reduced brightness.

Icon	Label	Description
	Ice cube function	• The ice function is deactivated by default. • Press and hold the button with the ice cube symbol for about 3 seconds to switch the ice function on or off. • If the ice function is activated, the symbol on the display will be fully illuminated. • If the ice function is deactivated, the symbol will appear with reduced brightness to indicate the off state.
	Smart fresh water function	The smart fresh water function ensures that your osmosis device automatically runs an 8-minute cycle every 3 hours, during which fresh osmosis water is pumped from the carafe into the cold water tank and then disinfected, cooled water is returned. The function is important for permanently hygienic operation of the device. It only works when cooling or ice cubes are switched on. The process is divided into four phases and can be controlled by pressing a button if necessary. **1. Short press (when mode is active & pure water tank inserted): starts a cycle immediately.** **2. Press and hold for 3s: switches the mode off.** 3. All other buttons remain usable – exception: During circulation, water dispensing and temperature/volume selection are locked. During the cycle, the smart fresh water button flashes and the cleaning icon is permanently lit. The display shows "4-1" to "4-5" for the current phase. Automatic activation when ice making or cooling is switched on. Manual activation/deactivation: press and hold the smart fresh water button for 3s.
	Cold water button	• After switching on the cooling function, you can select cold water by briefly pressing the button. ➤ The cold water symbol then lights up continuously. • If you select a different type of water (e.g. room temperature or hot), the cold water symbol will only be dimly displayed. • If the cooling function is switched off, the symbol remains completely off.
	Ice production running	• The display shows a rectangular movement in the numerical display. • Ice production is active. • The system can be used as normal
	Normal (room temperature)	• When the system is switched on for the first time, room temperature water is selected by default. • When you select room temperature water, the corresponding symbol on the display is shown fully lit. • If you select another temperature setting (e.g., cold or hot), the room temperature water symbol will only be dimly displayed.

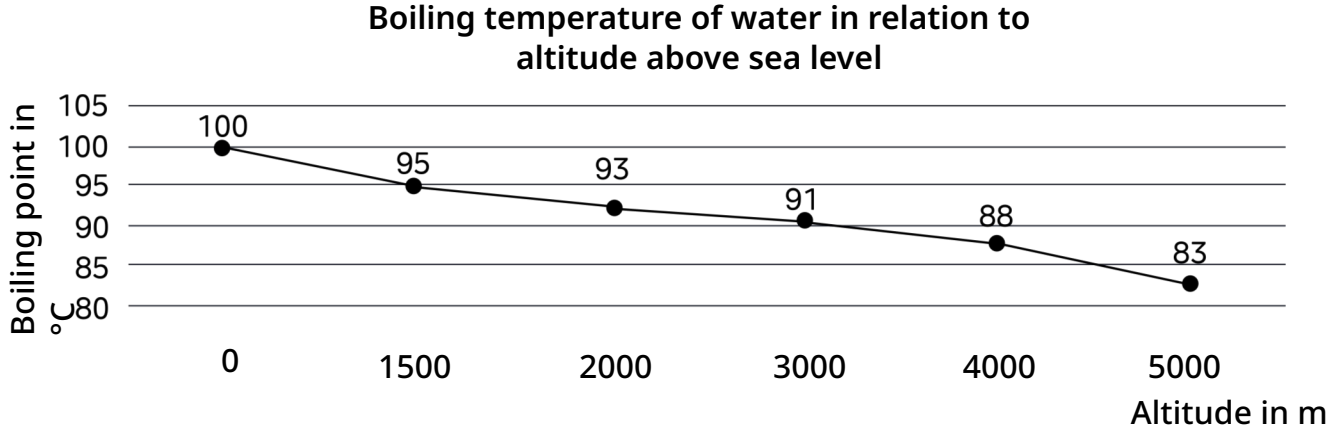
Icon	Label	Description
	coffee	• When you press the coffee button, the corresponding symbol will light up continuously. • Set the desired amount of water using the display. • Place the coffee tray together with a coffee filter filled with the appropriate filter medium, and position a cup or jug underneath the water outlet. • Press the „WA button. • The machine will dispense hot water at regular intervals, and the remaining volume will be counted down on the display.
	warm / boiling water	• When you press the boiling water button, the corresponding symbol is displayed fully lit. • If you select another water temperature, the boiling water symbol will only be dimly displayed. • The default temperature for this mode is 95°C. ➤ You can set a value between 40°C and 95°C. • The system remembers your last selected temperature even after switching off (memory function in case of power failure).
	small glass	• The default water quantity is 200ml. • You can choose between the following quantities: 100ml / 150ml / 200ml / 250ml. • When you select the small glass, the associated symbol lights up. • If the small glass is not selected, the symbol is only dimly displayed.
	medium glass	• The default water quantity is 400ml. • You can choose between the following quantities: 300ml / 350ml / 400ml / 450ml. • When you select the medium glass, the associated symbol lights up. • If the medium glass is not selected, the symbol is only dimly displayed.
	large glass	• The default water quantity is 700ml. • You can choose between the following quantities: 500ml / 600ml / 700ml / 800ml. • When you select the large glass, the associated symbol lights up. • If the large glass is not selected, the symbol is only dimly displayed.
	Continuous dispensing	• When the system is switched on for the first time, the "continuous water dispensing -" option is selected by default.∞ • When you select the continuous dispensing mode, water will flow until: • the fresh water tank is empty or • the maximum dispensing duration is reached. • When this mode is active, the symbol lights up. If the mode is not active, the symbol is only dimly displayed.

Icon	Label	Description
^ v	Temperature and quantity adjustment	• Tap the plus or minus button to adjust the water temperature degree by degree. • At the same time, you can select small / medium / large cup sizes. ➤ Press and hold the button for 3 seconds to activate the quick mode for temperature and quantity adjustment. • When you select one of these buttons, the white indicator light will illuminate fully. ➤ Icon is bright when actively selected. ➤ Icon is dimmed when not actively selected. • Important: the exact water temperature of the chilled water cannot be changed. It is always subject to certain fluctuations and can drop to as low as 1°C.
|Eisproduktion	Ice Production	• When you activate the ice production mode and the ice water is currently cooling, the corresponding display text will illuminate and flash white during the cooling process. • Once the ice water reaches 10°C and the system is in the actual ice-making process, the display text will illuminate continuously. • If the ice production mode is not activated, the display text will remain off. • Should a water shortage occur during ice making, the compressor will stop and the display will turn off.
|Filterung	Water Treatment	• When the device is filtering water, the corresponding text will be displayed. • If the device is not in filter mode, the display text will remain off.
|Reinigung	Cleaning	• When the device is in cleaning mode, the corresponding display text will be fully illuminated. • If the device is not in a cleaning state, the display text will remain off.
	Ice Dispensing	• During ice dispensing, a so-called "breathing effect" is displayed on the screen (= the image gently pulsates or alternately lights up brighter and darker).
❄	Cooling Function Indicator	• When you activate the cooling function, the icon will start to flash white while cooling is in progress. • Once the cooling temperature is reached (i.e., "cold" instead of "warm"), the white indicator light will illuminate continuously. • If the cooling function is switched off, the icon will remain off.

Icon	Name	Description
UV	UV-C Sterilisation	• When the UV sterilisation function is active, the icon will illuminate. • When the UV sterilisation function is not active, the icon will be off.
	Check pure water carafe	• If the pure water carafe is not inserted correctly, the icon will flash red. • If the water level in the tank is too low, the icon will illuminate continuously (water shortage).
Water Change	Change Water	• If there is not enough water in the tap water tank or it has not been inserted correctly, the icon will illuminate continuously. • If the TDS value in the source water tank is above 999 ppm, the icon will flash red.
TDS	Water Quality Display	• When the TDS value of the tap water is displayed on the screen, the icons TDS and will appear. • If the TDS value of the filtered water is displayed instead, the icons TDS and will appear.
Filter	Filter Indicator	When the display shows the percentage of remaining filter life (Stage 1), the corresponding icon will be activated.
Membrane	Membrane Indicator	When the display shows the percentage of remaining membrane life (Stage 2), the corresponding icon will be activated.
Filter Change	Filter Change Notification	When the filter life of the Filter (1) or Membrane (2) drops to 0.5%, this condition will be displayed on the screen after water is dispensed, and the red indicator light will signal: Please change the corresponding filter.
	Numerical Display	When the display shows the water temperature, ➤ the "°C" icon will illuminate white. When the display shows the filter life (%), ➤ the "%" icon will illuminate white. When the water quantity (ml) is displayed, ➤ the "ml" symbol lights up white.
EIS	Ice Button	Pressing the button briefly allows you to start or stop the ice dispensing. After stopping, 1-2 ice cubes may still fall out within the next 20 seconds.
WASSER	Water Button	Pressing the button briefly allows you to start or stop the water dispensing.

Automatic Boiling Temperature Regulation

The boiling temperature (highest adjustable water temperature) of the system depends on the altitude. The exact relationship is described in this graph.



If you operate the system at an altitude >1500m, please switch to altitude mode:

- Ensure that the tap water tank is completely full.
- Place a container with a capacity of at least 1 litre under the water outlet.
- Switch on the device and simultaneously press and hold the child lock button and the hot water button for approx. 3 seconds.

This will start the calibration for high altitudes.
Then tap the water dispensing button to start the process.
The calibration takes approximately 5 minutes in total.

Caution: The device dispenses hot water during the process.
Please maintain a safe distance and avoid scalding!

Note on special situations during the rinsing process

If you lift the water tank during the rinsing process, the device will automatically remember the time elapsed so far. As soon as the tank is reinserted, the machine will continue the rinsing process and rinse for a total of 5 minutes.
In the event of a power failure during rinsing, the rinsing time that has already passed will also be saved. After restarting, the device will automatically continue the rinsing process for 5 minutes.

Note on "white residue" in the water tank after initial use

During initial use, it may occur that the water in the tank contains many fine bubbles, which visually appear as white powder or foam.
These bubbles are caused by air in the membrane (stage 2) – this is completely normal and not a quality defect. The bubbles usually disappear after about 1 minute.
The water can be drunk without any concerns. With each use, the bubble formation gradually decreases.

Filter & Maintenance

quick pit stop

Regular Cleaning of the System

1. If you have not used the device for a long time, please perform an automatic cleaning using the button before using it again.

2. For consistently good taste, we also recommend performing an automatic cleaning at least once a month.

3. When the device displays the "Water Change" symbol, the remaining water in the tank must be emptied and fresh tap water refilled. This means the tank MUST be removed, emptied, and refilled. Topping up is not possible. Directly refilling water into the tank without emptying it first can lead to severe damage to the system in the medium term.

4. The mains water tank will repeatedly deposit smaller residues. This is quite natural, as the system's wastewater is concentrated here. We therefore recommend, when operating with the tank, to clean the tank approximately once a week with a soft brush by hand. This is important to prevent residues from being washed further and ending up in the filter and valves. This shortens the lifespan of the filter and valves. The internal ice container generally does not need to be cleaned (the nano-ioniser prevents bacteria formation). If this should ever be necessary – only use clean cloths and food-safe cleaning agents.

5. **In daily operation, try not to disconnect the system from the power supply. A UV-C lamp is installed in the system, which prevents contamination. The device thus always ensures freshly filtered water in standby mode.**

Preparing the system for a longer absence / holiday / in case of return

1. Remove the mains water tank and the pure water carafe from the device.
2. Empty both completely and allow them to dry well. If there are still ice cubes in the system, please let them thaw completely beforehand or remove the ice cubes completely from the device before you begin emptying the system.
3. Please place a 2L container under the outlet beforehand. Press and hold the "Room temperature" (1 wave) and "Hot water" (3 waves) buttons simultaneously for about 3 seconds.
4. This will automatically drain the remaining water from the ice stand. "PPP" will appear on the display during this process. Please place a sufficiently large container under the outlet beforehand to catch the water that is released.
5. Once the system is completely drained, you can reinsert the water tank and the carafe.
6. Remove the filters from the system and store them in the refrigerator.

Important note:
The filters can be stored for a maximum of 3 weeks. In case of a longer absence, the filter and membrane must be replaced after returning.

Filter change

NOTE
The OsmoFresh cartridges are perfectly matched to the system. The use of third-party cartridges can lead to severe damage to the system and exclusion of warranty.

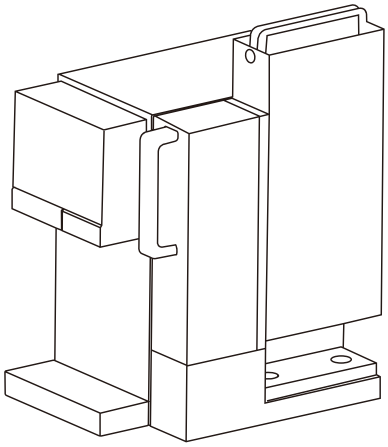
The filters should be replaced according to the specified replacement intervals.

Filter name	Type	Function	Replacement interval
6in1 Filter (Stage 1)	6in1 Combination Filter	3in1 Pre-filter: • Sediment filter • Activated carbon, • ScaleShield® 3in1 Post-filter: • Activated carbon • Mineralisation • pH Filter	6 months
Membrane (Stage 2)	Membrane	UltraPore® Coating with 0.0001 µm pore size	12 months

Instructions for changing the filters

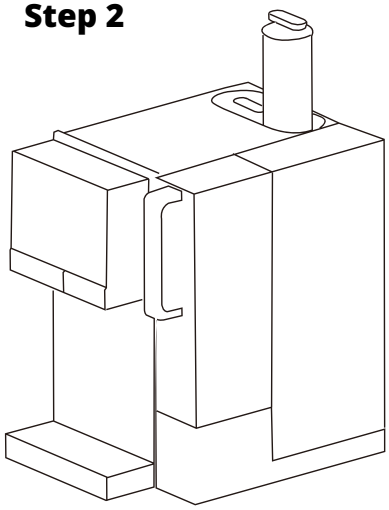
When "Change filter – Filter – 0%" appears on the display, the service life of the 6in1 filter has expired.
Please carry out the corresponding filter change now.

Step 1



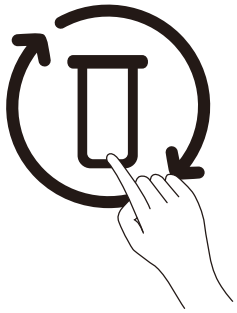
Fill the mains water tank completely with water and place it next to the system.

Step 2



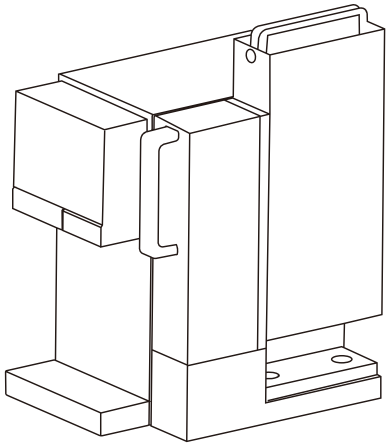
Change the 6in1 filter (Stage 1). Then reinsert the tank.

Step 3



- Briefly press the button to select the filter type (select "Filter" – Stage 1).
- Then press and hold the button for 3 seconds to reset the filter life of the filter.
- The device will now automatically start the rinsing process after the filter change.

Step 4

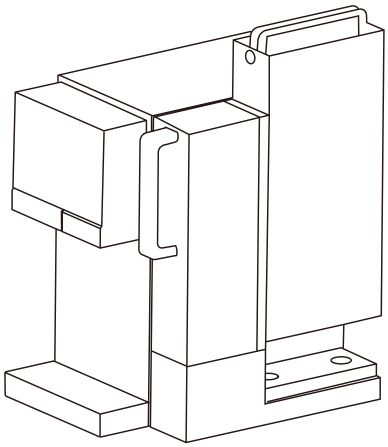


Once the rinsing after the filter change is complete, the "Water change" indicator will light up.
Now correctly reinsert the mains water tank with fresh water.

Instructions for changing the membrane

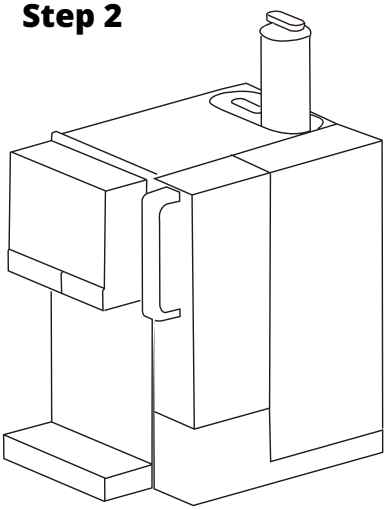
When "Change filter – Membrane – 0%" appears on the display, the service life of the membrane has expired.
Please carry out the corresponding membrane change now.

Step 1



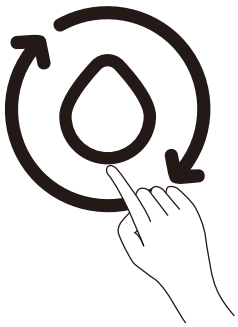
Fill the tap water tank completely with water and place it next to the unit.

Step 2



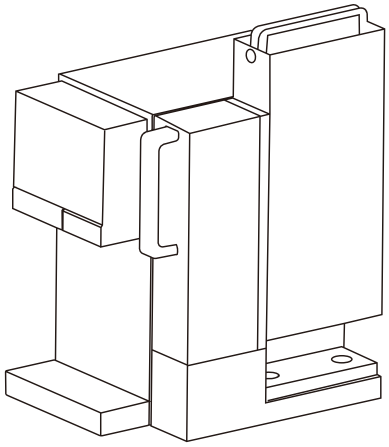
Replace the membrane (Stage 2) and then reinsert the tank into the unit.

Step 3



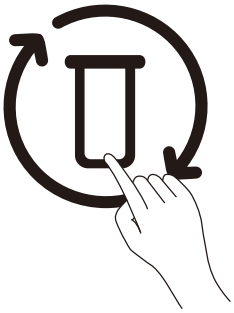
- Press and hold the cleaning button for 3 seconds to rinse the membrane.

Step 4



- Once the rinsing is complete, the "Water Change" indicator will light up.
- Now correctly reinsert the tap water tank with fresh water.

Step 5



- Briefly press the button to select the filter type (select "Membrane" – Stage 2).
- Then press and hold the button for 3 seconds to reset the membrane's filter life.
- The device will now automatically start the rinsing process after the filter change.

Notes on Filter Replacement

- The entire rinsing process takes approx. 5 minutes – after which the unit is ready for use again.
- **Always change the water according to the instructions on the display.**
- If both the 6in1 filter and the membrane need to be replaced at the same time,
  - ➤ reset the 6in1 filter first,
  - ➤ then the membrane.
- If the water is slightly discoloured black after the change,
  - ➤ empty the pure water carafe,
  - ➤ if discolouration persists: Press the cleaning button for post-cleaning.

Error Messages, Decommissioning & Maintenance

really good to know

Maintenance & Tips

1. The tap water tank will always deposit smaller residues. This is completely natural, as the unit's wastewater is concentrated here. We therefore recommend cleaning the tank approx. once a week with a soft brush. This is important to prevent residues from being washed further and ending up in the filter and valves. This procedure extends the lifespan of the filter and valves, and thus the entire unit.

2. Functionality of the UV-C LED Germ Protection
   The unit has two UV-C LED as an additional safety feature. If germs unexpectedly enter the system, they are reliably killed. Furthermore, this effectively prevents back-contamination through the water outlet. The lifespan of the LEDs is approx. 20,000 hours and they are therefore maintenance-free.

4. My TDS value was very low at the beginning and increased sharply after a few weeks. What can I do?
   In this case, we recommend regularly descaling the external tank, and approx. once a month filling the external tank with about 1L of osmosis water and letting it sit. If all these measures do not help, we recommend replacing the filter.

5. Green algae are forming on my tank. What can I do?
   First of all, it shows that it's good that you have bought an osmosis system. In most cases, it is green algae. These are caused by too high a nitrate content in the tap water. Try to avoid direct sunlight on the external tank and clean the external tank regularly.

6. The water tastes bitter.
   This is because osmosis water, even if it is already remineralised, is still rather low in minerals. See also the chapter on water analysis. Some people find low-mineralised water to be bitter. This problem can be easily remedied by adding minerals.

7. Transporting the unit: If you wish to transport the unit, empty it completely beforehand to avoid damage from water leakage during transport. Procedure:
   - Remove the tap water tank and the pure water carafe.
   - Empty both completely and dry them well.
   - Remove all ice cubes using the "Ice" button.
   - Press and hold the "Normal" ⟆ and "Hot" ⟆⟆⟆ buttons simultaneously for 3 seconds to automatically drain any remaining water from the ice tank. "PPP" will appear on the display.
   - After draining, you can reinsert both tanks and safely transport the appliance and accessories in the original packaging.

Decommissioning the system

Follow the same steps as described on the previous page for transporting the system. Additionally, remove the filter and membrane.

NOTE
If the system has been out of operation for more than three weeks, we recommend replacing the filter and membrane for hygienic reasons.

Further maintenance information

1. Please replace the filters regularly according to the filter change indicator on the front of the appliance, or at the latest after 6 or 12 months.

NOTE
Filter performance and lifespan have been tested under laboratory conditions; actual performance may vary depending on water quality, water consumption, temperature, and inlet pressure. If the filter becomes clogged prematurely, please replace it in a timely manner.

2. Clean the system with clear water. Please do not use steel wool, abrasive cleaners, or corrosive liquids such as petrol or acetone.

3. If the inlet water does not meet the requirements of municipal tap water (there are large particles in the water and/or the water hardness is too high), please install a pre-filter system before installing the appliance.

4. It must be regularly checked for water leaks from the appliance or water pipe connections to prevent property damage.

5. It must be regularly checked for damage to the power supply and cables to prevent serious electric shock accidents.

6. Only accessories provided by our company may be used. In case of seal damage and other complications caused by accessories from other companies, we assume no responsibility or liability.

7. Can I also operate the appliance with well water or river water? No, operation with well water is not possible.



Please only use food-grade or drinking water-approved chemicals for tank cleaning.

Troubleshooting

Error	Error description	Trigger / Conditions	Load state	Solution
E1	Error at temperature sensor (inlet)	Short circuit or interruption in the sensor	All consumers off	Contact customer service
E3	Error at temperature sensor (outlet)	Short circuit or interruption in the sensor	All consumers off	Contact customer service
E4	Dry heating	Outlet temperature >103 °C for more than 3 seconds	All consumers off	Appliance restarts after 10 sec., otherwise contact customer service
E5	Communication error	No data transmission between control boards > 5 sec.	All consumers off	Contact customer service
EC	Fill level error in pure water tank	Upper float detects water, lower does not	All consumers off	Contact customer service
E6	Water protection function	Continuous production > 2 hours	All consumers off	Restart appliance, check tank and float, contact customer service if necessary
H1	Ambient temperature sensor error	Short circuit or interruption in the sensor	All consumers off	Contact customer service
H7	Ice jam	Tilt sensor not detected twice in a row	All consumers off	Turn off appliance for 4 hours, manually dislodge ice if necessary
F0	Zero crossing error	No signal detected for 5 seconds	All consumers off	Contact customer service
H4	Error ice water temperature sensor	Short circuit or interruption in the sensor	All consumers off	Contact customer service
LA	Error ice tank fill level	Upper float detects water, lower does not	All consumers off	Contact customer service
LB	Cooling capacity too low	Temperature does not drop by 10 °C despite 140 min. run time	All consumers off	Contact customer service
LC	Both tilt sensors triggered	Both limit switches report simultaneously	All consumers off	Contact customer service

Safety instructions

...safety first...

Safety instructions

The information marked with this symbol is important safety information. These warnings must be strictly observed.
Failure to comply with these instructions may result in property damage, serious injury or death.

1. The unit may only be used by persons who have read and understood these operating instructions.
2. The unit is safely designed, built and equipped with safety devices. Nevertheless, dangers can arise during the use of the unit, especially if the prescribed procedures and safety instructions are not observed and followed.
3. Existing safety devices must never be dismantled, bypassed or rendered inoperable.
4. Before each use, the unit must be checked for damage and proper functioning.
5. The unit must only be used as described in the operating manual. Any other use is considered improper and is prohibited.
6. The unit must be installed vertically, not tilted, lying on its side or upside down.
7. There is an increased risk of injury from moving parts, by crushing or pinching.
8. The unit is intended for private use only, not for commercial use. The operating manual must be observed during use.
9. **If the ambient temperature is below 4°C or above 38°C, the unit must not be switched on. Otherwise, the filter housings may freeze, causing cracks that could result in an electric shock.**
10. **The plug must be fully inserted into the socket to avoid damage to components due to poor contact. Faulty contact can cause a short circuit, fire or other hazards.**
11. **If the power cable is damaged, the unit must not be used any longer. The power cable must be replaced by the manufacturer or by an authorised or appropriately qualified service technician to avoid the risk of electric shock.**
12. **If the device fails, it must be repaired by professional maintenance personnel. If the device is repaired by non-specialists, scalding and electric shocks may occur.**

13. **Under no circumstances should the plug be pulled out of the socket with wet hands or cleaned with a damp cloth.**

14. **Hold the plug firmly and pull it out. Do not pull forcefully on the power cable or twist it. This will prevent damage to the power cable. A damaged cable can cause an electric shock.**

15. **This product may not be suitable for persons with reduced intelligence. For people with physical or mental disabilities, it must always be checked on a case-by-case basis whether the use of the unit is possible.**

16. **This product is not suitable for children or persons who are not familiar with this product, unless a person responsible for their personal safety supervises them or instructs them in the use of this product.**

17. To avoid the risk of water leakage, the connections and individual components of the unit must be regularly inspected. If there are signs of damage or looseness, they must be repaired to prevent water damage.

18. **Regularly check the power supply and power cord for damage or breaks to avoid serious accidents.**

19. The unit must be installed in a ventilated, moisture-proof, sun-protected, and frost-proof room. Avoid contact with corrosive substances.

20. **To minimise the possibility of fire, DO NOT store flammable items such as rags, paper or spray cans near the unit. DO NOT store or use petrol or other flammable vapours and liquids near this or any other appliance.**

21. Children must not play with the unit. Risk of suffocation. Children can wrap themselves in packaging material (e.g. films) or pull it over their heads and suffocate. Keep packaging material away from children.

22. Cleaning and maintenance of the unit must not be carried out by children without supervision.

23. The unit must only be used with the supplied accessories.

24. The unit must not be submerged or immersed in water.

27. It is strictly forbidden to move the appliance arbitrarily. The water in the water tank must be drained before moving.

28. The housing of the appliance must not be rinsed with water.

29. It is strictly forbidden to use multiple sockets together with other electrical appliances. Sockets with 16A should be used.

30. The drip tray must not hang freely in the air. It must be placed on a level surface.

31. It is strictly forbidden to fill the water tank with cloudy tap water, ice or other liquids such as milk, fruit juices, etc.

32. The water outlet must not be inserted directly into the cup when dispensing water to avoid scalding from blocked spouts.

33. After using hot water, when switching to cooler water, hot water may still emerge initially. Risk of scalding!

34. If the raw water does not meet municipal drinking water specifications (e.g. high sediment content or too high TDS value), the lifespan of the filter will be significantly reduced.

35. To avoid hazards, the water filter must be placed on a level surface.

36. Voltage range: 220V~240V ± 10%.



37. Regular filter replacement within the specified time interval is very important, otherwise germ formation can occur within the unit.

38. Before leaving the factory, the entire unit undergoes a complete water test. It is normal for residual water to remain inside.

39. This product uses 27g of the environmentally friendly refrigerant R600a. Ensure that the room volume in which you place the unit is at least 5m3.

40. The ice-cold water tank of this product is made of polyurethane foam for thermal insulation. Please do not puncture or burn the product.

41. During repair or disposal, the refrigerant in the system must be removed.



42. There must be no obstructions around the appliance or in the installation structure, and adequate ventilation must be ensured.

43. Do not use mechanical devices or other methods to accelerate the defrosting process, except those recommended by the manufacturer.



44. The refrigerant circuit must not be damaged.



45. The surface of the water outlet may remain hot for some time after use. Avoid touching the surface until it has cooled down completely to prevent burns.

46. The appliance contains UV-C lamps.

47. Unintended use of the device or damage to the housing can lead to the emission of dangerous UV-C radiation. UV-C radiation can cause damage to eyes and skin, even in small doses.

48. Devices that are obviously damaged must not be operated. The UV-C emitter is not permitted to be replaced.



49. Do not operate the UV-C emitter if it has been removed from the device.



50. Disconnect the device from the mains before maintenance.



51. Caution! Risk of fire or explosion - Coolant is highly flammable. This cooling appliance uses R600a refrigerant. Place the appliance in a well-ventilated area. Do not place near open flames or attempt to repair.

52. The appliance is intended for use in the home and in household-like environments, such as
    - in shops, offices and other similar working environments
    - on farms
    - by customers in hotels, motels, bed and breakfasts and other typical residential environments.

    designed.

54. This cooling appliance is not intended for outdoor use.

55. The refrigerant circuit has been checked for leaks. The cooling appliance complies with the relevant safety regulations and applicable EU directives. This cooling appliance contains the refrigerant Isobutane (R600a), a natural gas with high environmental compatibility, but it is flammable. The refrigerant does not damage the ozone layer and does not increase the greenhouse effect.

56. The use of this environmentally friendly refrigerant has partly led to an increase in operating noise. In addition to the running noise of the compressor, flow noises can occur throughout the refrigeration circuit. These effects are unfortunately unavoidable but do not affect the performance of the cooling appliance.

57. When transporting and installing/setting up the cooling appliance, ensure that no parts of the refrigeration circuit are damaged. Escaping refrigerant can cause eye injuries.

58. In case of damage:

    - Avoid open flames or ignition sources.

    - Disconnect the cooling appliance from the mains.

    - Ventilate the room where the cooling appliance is located for a few minutes. Notify customer service.

59. The more refrigerant in a cooling appliance, the larger the room must be in which the cooling appliance is placed. In the event of a leak, a flammable gas-air mixture can form in rooms that are too small. For every 8 g of refrigerant, the room must be at least 1 m3 in size. The amount of refrigerant is indicated on the rating plate inside the cooling appliance.

Warranty terms

purecom GmbH grants a 2-year warranty from the date of purchase on all material and manufacturing defects of the device. Consumables such as filters are excluded.
The purchase receipt serves as proof of warranty.
During the warranty period, we will repair the product free of charge by replacing new parts or repairing it, provided that the product has not been tampered with, modified, not regularly maintained, or used improperly after delivery.
In the event that problems occur after the warranty period has expired, please contact our customer service at info@osmofresh.de.
We will surely find a solution.
This warranty is valid only for the original purchaser and covers only material and manufacturing defects that occur during normal use.
This limited warranty is only valid if the system has been installed, used, and maintained in accordance with all instructions and requirements accompanying the device.
This refers in particular to the following points:

a. The incoming water pressure is not less than 1 bar and not more than 6 bar;
b. The inlet water temperature must be no less than 5°C and no more than 38°C;
c. The inlet water must have a pH value between 6.5 and 8.5;
d. Turbidity must be less than 1.0 NTU.
e. The input voltage must be 230V, plug the power cord into the socket with an earth wire and ensure good earthing.

The quality of the water supply may vary seasonally or over a period of time. Your water consumption may also vary.
The manufacturer assumes no liability for the determination of the equipment necessary for your requirements, nor do we authorise others to undertake any such obligation on our behalf. You must verify and test the suitability of all information relating to the product for your specific application.
This limited warranty is void if:

a. The filters are not replaced according to the recommended maintenance schedule;
b. The product is purchased from a source other than our official website or our authorised dealers, as we cannot verify or guarantee the integrity or authenticity of the product.

The warranty does not apply in case of damage from transport or improper handling, negligence, incorrect installation and alterations not carried out by an authorised body.
purecom GmbH is not liable for consequential damages arising from the use of the device.

Our sole obligation under this warranty is to repair or replace any non-conforming product or parts of such product.
Or, at our option, to return the product and refund the purchase price.
Our obligation does not include the cost of transportation. We are not responsible for damage during transit, claims for such damage should be made by the customer to the carrier.
The warranties set forth herein are the only warranties we make in connection with the product.
We make no warranties, express or implied, including, but not limited to, warranties of fitness or merchantability, except as expressly set forth above.

We offer a 30-day money-back guarantee, a 2-year manufacturer's warranty, and lifetime technical support for all our products. If you have any questions, please feel free to call or email us. Your satisfaction is very important to us.

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How to reach us:
Email: info@osmofresh.de
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