

User manual



WFSM16

Date of Installation.....
Order number

Installer Stamp

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Please read the operating manual before startup!
The manufacturer is not responsible for malfunctions caused by faulty operation and failure to comply with the provisions of this documentation.
Store for later use! This operating manual is an integral part of the device.

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General instructions

1. The relevant installation and operation instructions contained in this manual must be read prior to the installation and operation of this device.
2. The manufacturer will not bear responsibility in case of improper use and incorrect operation of the device.
3. The use of a filter in gastronomy, to provide high quality water. Four level water purification process involves: sediment removal, built in scale inhibitor (protects against limescale formation with water hardness up to 20 GH), chlorine and odore reduction, anti bacteria formula.
4. Do not use with water that is microbiologically unsafe or of unknown quality
5. Areas of application filters: Ice cube makers.
6. It is forbidden to make change in the system without consultation with the manufacturer. The manufacturer will not bear responsibility in case of any damage caused by this type of modification.
7. The temperature in the device operating room must be at least 10 °C
8. Protect from freezing.
9. The general regulations and provisions as well as provisions concerning accident prevention
10. must be observed at the installation location of the device.
11. The installation location of the device must be secured from any damage caused by water (e.g. by the existing floor drain). The manufacturer is not responsible for any damage caused by water.
12. The proper name and serial number of the device must be provided with any enquiries and ordering of spare parts. Only then an effective and quick reply or order implementation is ensured.

Transportation and packaging

Prior to shipment our systems are carefully packed and controlled.

Damage during transportation cannot be excluded in case of shipment by a shipping company. It is necessary therefore to check the package at receipt of the product.

1. Check the completeness of the delivery based on the delivery receipt.
2. In case of damaged packaging: perform a visual inspection of the goods and record conclusions in the shipping documentation provided by the shipping company. Make photographic documentation of the damaged package and the device. In the shipping documentation place an annotation of possible claiming of hidden damages, which may be revealed after start-up. Immediately contact the shipping company because otherwise the shipping insurance will not be available. Save the package for the purpose of any later inspections by the shipping or insurance company.
3. In case of returning the package, it must be packed in a way to be protected against any mechanical damage.
4. Drain water from the system prior to the shipment. This will help reduce shipping costs. It will also prevent the packaging from damage due to potential water leakage.

After storage and transport below 0 °C, the product must be stored in the open original packaging for at least 24 hours before it is commissioned at the stated ambient temperatures for operation.

How it works

The filter is designed for water treatment for ice cube devices. Four level treating process ensures unique features and delicious taste, keeping necessary minerals in water.

The Four-level water purification process involves:

1. sediment removal
2. built-in scale inhibitor
3. chlorine taste and odore reduction
4. anti bacteria formula

Anti limescale factor causes binding of calcium and magnesium ions preventing limescale sediment on the parts contacted with the water flow up to 60° C . Water filter can be used with water hardness up to 20°dH

Technical description :

Type	AVERAGE TREATED WATER QUANTITY AT 10 DH (German degrees) for chloride content in water 0,3 mg/l	NOMINAL FLOW RATE [l/min]	CONNECTIONS [inch]	DIMENSIONS [mm]	
				H	W
WFSM16	60.000 litres	0-8	3/4	310	120

Safety Instructions, standards, provisions and statutory regulations

1. Water used as intake water for water filter system must be of drinking water quality.
2. The water filter system is only suitable for cold water use: **5°C – 30°C**
3. The water filter system is only suitable for water pressure: **0-5 bar**
4. Parts that are in contact with treated water must be made of material resistant to treated water,
5. In the room for the water treatment floor drainage must be installed. The purchaser is responsible to ensure the drainage.
6. If there are official instructions to boil tap water, the filter system must be decommissioned. When the requirement to boil water comes to an end, the filter must be replaced and the connections cleaned.
7. It is not recommended to decommission the filter system for long periods. If the filter system is not used for several days, we recommend that the filter system be flushed with the volume of water :.
 - a. Shutdown 2-3 days: the amount of water to rinse the filter 4liters
 - b. Shutdown 4-10 days: the amount of water to rinse the filter 15 liters
 - c. Over the 14-day shutdown the filter should be replaced with a new one
8. Do not open the filter, interference results in loss of warranty.
9. When using, do not remove the filter system.

Information for installers

1. The appliance in which the filter is used must be free of limescale and gypsum deposits prior to installation
2. Do not assemble near sources of heat and open flames
3. Protect the filter system from mechanical damage.
4. Protect the filter system from sunlight
5. A stop valve must be installed before the filter system inlet hose.
6. A drain valve must be installed after the filter system on the outlet hose.
7. When the water pressure exceeds 5 bar, install a pressure reducer water before filtration system
8. Parts that are in contact with treated water must be made of material resistant to treated water
9. All parts must be installed in accordance with the country-specific guidelines on the installation of drinking water facilities.
10. Installation and maintenance of the filter system may only be carried out by trained and authorized personnel.

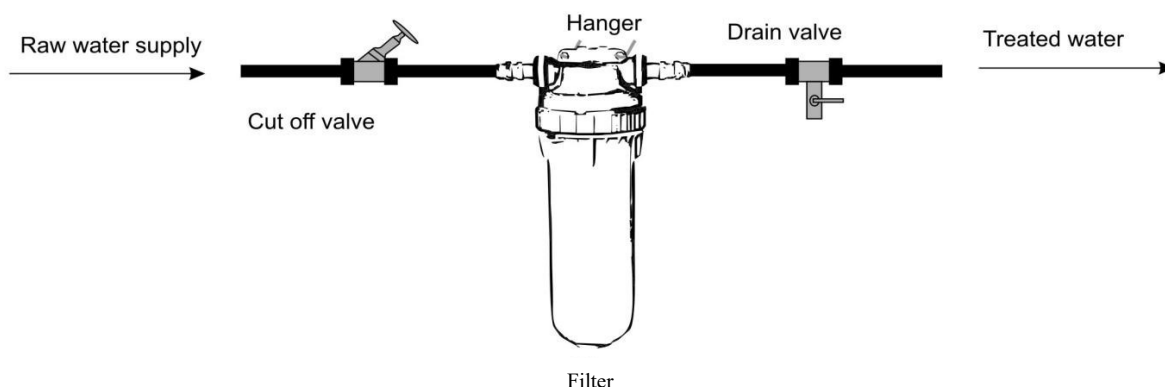
Liability Exclusion

Installation must be performed precisely in accordance with the instructions in this manual. Manufacturer shall not be held liable for any damage, including subsequent damage, arising from the incorrect installation or use of the product.

Installation

Note! Before installation, please read the technical data and the operating and safety information.

Installation preparation plan



1. A stop valve must be installed before the filter system inlet hose. A drain valve must be installed after the filter system on the outlet hose to reduce water pressure when filter exchange.
2. When the water pressure exceeds 5 bar, install a pressure reducer water before filtration system
3. The filter is equipped with a hanger which should be attached to the wall. Wall holder mounted in the expected position - is only permitted to mount the filter in a vertical position. It is recommended to attach to the wall using screw hook facilitating the exchange filter. Filter is equipped with a hanger, which is an integral part of the device, so the filter is always exchanged together with the hanger.
4. All parts must be installed in accordance with the country-specific guidelines on the installation drinking water facilities

Filter Installation

1. Close the water intake and switch off power supply to the terminal equipment.
2. Fit the wall mounting bracket in the initiated position. During assembly, note the installation dimensions, bending radii of the hoses .

CAUTION! Only hoses connections with Flat seals May be used because hoses with conical screw connections May damage the filter head connections, thereby invalidating any guarantee claims!

3. Connect the water inlet hose (IN), to the water outlet connect the hose through which you must carry out pre-rinsing the filter.
 - a. The hose connected to the output (OUT) should be connected to a suitable container (eg. bucket)
 - b. Open the water supply to the filter and flush the system until it begins to flow equal to the flow of water, without air bubbles, and the water is clear.
 - c. Close the water supply valve.
4. Install a water hose at the output (OUT), the other end connected to the terminal equipment.
5. Open the water supply and switch on the power supply to the terminal equipment.
6. Check system for any leaks.

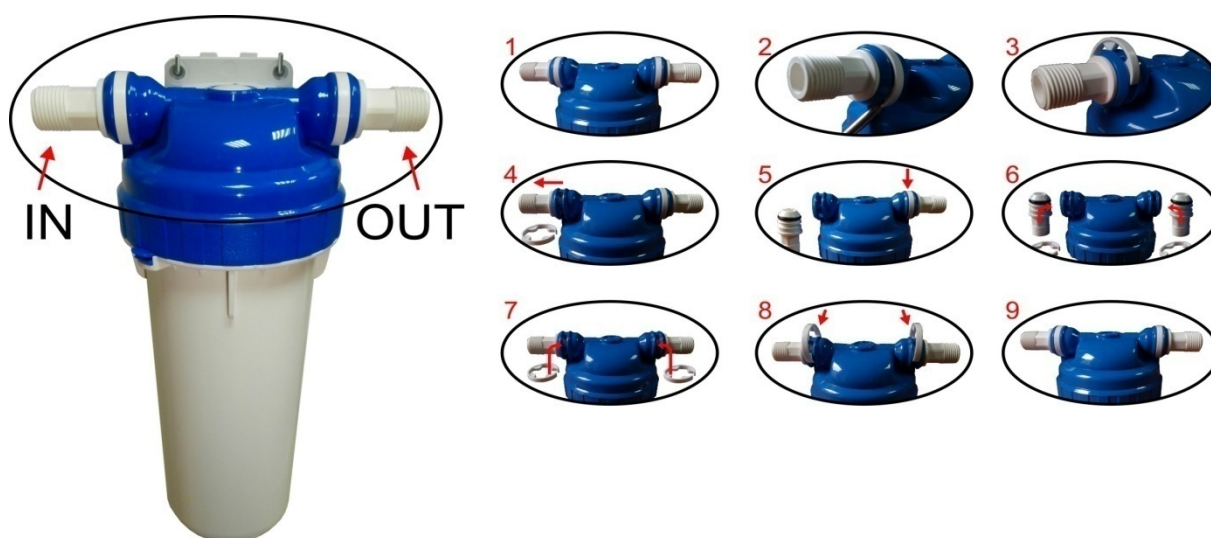
Filter exchange for new one

1. Filter should be replaced after reaching the specified efficiency limit depending on the carbonate hardness, within the time specified by the manufacturer, but not later than 6 months after start-up, depending on which circumstance occurs first. When replacing the filter, note the next expected exchange date in the date field on the filter

CAUTION! When changing a filter, examine all remaining parts carefully! Faulty parts must be replaced and contaminated parts should be cleaned. Do not use any abrasive chemicals, cleaning solutions or astringent cleaning agents.

2. After storage and transport below 0 °C, the product must be stored in the open original packaging for at least 24 hours before it is commissioned at the stated ambient temperatures for operation.
3. Close the water intake and switch off power supply to the terminal equipment.
4. Open the drain valve to reduce the water pressure before filter exchange.
5. The filter can be exchanged by unscrewing the hoses at the inlet (IN) and the outlet (OUT) or by using quick couplings.
 - a. Exchange by unscrewing the hoses at the inlet (IN) and the outlet (OUT):
 - i. Unscrew the hoses at the inlet (IN) and the outlet (OUT)
 - ii. Exchange the filter for a new one
 - iii. Fit the wall mounting bracket in the initiated position. During assembly, note the installation dimensions, bending radii of the hoses .
 - iv. Connect the water inlet hose (IN), to the water outlet connect the hose through which you must carry out pre-rinsing the filter.
 - The hose connected to the output (OUT) should be connected to a suitable container (eg. bucket)
 - Open the water supply to the filter and flush the system until it begins to flow equal to the flow of water, without air bubbles, and the water is clear.
 - Close the water supply valve.
 - v. Install a water hose at the output (OUT), the other end connected to the terminal equipment..
 - b. Replacing the filter using the quick couplings (follow the diagram below):
 - i. (1) Filter ready to exchange

- ii. (2) Use a screwdriver to lever up the protecting pin
- iii. (3) Remove the protecting pin
- iv. (4) Pull out the quick coupling
- v. (5) Repeat this process with the second quick coupling
- vi. (6) Dismantled quick couplers check for damage and contamination, if necessary, replace or clean. Then install to the new filter.
- vii. (7) Put the pins in the right place.
- viii. (8) Protect the quick couplers by the protecting pins.
- ix. (9) Filter after exchange
- x. Connect the water inlet hose (IN), to the water outlet connect the hose through which you must carry out pre-rinsing the filter.
 - The hose connected to the output (OUT) should be connected to a suitable container (eg. bucket)
 - Open the water supply to the filter and flush the system until it begins to flow equal to the flow of water, without air bubbles, and the water is clear.
 - Close the water supply valve.
- xi. Install a water hose at the output (OUT), the other end connected to the terminal equipment.



6. Fit the wall mounting bracket in the initiated position. During assembly, note the installation dimensions, bending radii of the hoses
7. Close the drain valve after filter exchange.
8. Open the water supply and switch on the power supply to the terminal equipment.
9. Check system for any leaks.

Maintenance

Should be checked regularly:

- Tightness of the filter system- leakages (connections, gaskets - if necessary replace)
- hoses for kinks (kinked hoses must be replaced)

The hoses must be replaced in rotation after a maximum of five years (or sooner in case of leakage)

For cleaning do not use any abrasive chemicals, cleaning solutions or astringent cleaning agents.

Troubleshooting

Problem	Cause	Solution
No water flow	Water intake closed	Open the water intake at the stop valve on the water supply
No or low water flow in spite of open water intake	Mains pressure too low	Check the mains pressure.
	Locked, scaled water installation, mechanical blockage on hoses on water intake/outlet from the filter	Check the water system, the inlet and outlet hoses, clean and, if necessary, replace with new ones
	Air in the system	Check the installation, deaerate it
Water leakage	Screwed connections not fitted correctly	- Check all fittings, seals for leaks, if necessary, replace with new ones - If the fault persists replace the filter with a new one.
	Excessive pressure at the mains	- Check mains pressure - Reduce the water pressure upstream of the filter, replace the filter with a new one



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