



System Tested and Certified by NSF International against NSF/ANSI 42, 53, 401 for the reduction of Chlorine, Taste and Odor, Nominal Particulate Class I, Turbidity, Cyst, Bacteriostatic Effects and Microplastics.

PRODUCT SPECIFICATIONS

NSF System Model Name	FX-17
Replacement Cartridge Name	FX-17R
Dimensions (W x D x H, mm)	94 x 109 x 478
Capacity	19,000 gallons (71,922 L)
Flow Rate	2.5 GPM at 60 psi (9.46 LPM)
Working Pressure	30 - 125 psi (2.1 - 8.8 kgf/cm ²)
Water Temperature	39 - 100 °F (4 - 38 °C)
Reduction Claims	Chlorine Taste and Odor, Bacteriostatic, Particulate Class I, Turbidity, Cyst, Microplastics, Bacteria*
Micron Rating (µm)	0.1 Micron
Tubing	3/8 "

* As tested and verified by Korea Water Research Institute.

FEATURES & BENEFITS

- FX Series reduces 99.9% of harmful substances such as dirt, particles and microplastics physically to provide more hygienic water quality.
- All-in-One cartridge structure combines UF membrane, premium carbon block, and sediment filtration functions to maximize efficiency and is suitable for tight spaces.
- NSF/ANSI 42 certified for Taste and Odor, Particulate class I.
- NSF/ANSI 401 certified for microplastics reduction.
- Through NSF/ANSI 53 certification, its performance in reducing harmful cysts and contaminants, including Cryptosporidium and Giardia, has been verified.
- The product complies with the lead content requirements of NSF/ANSI/CAN 372.
- The water purification process consists of reducing large particles with a non-woven pre-filter, followed by the reduction of remaining fine particles with a 5 µm carbon block, providing maximum purification performance through multi-stage filtration.
- This system provides optimized purification filter efficiency depending on the raw water characteristics and usage environment, ensuring both stability and reliability.

PERFORMANCE DATA SHEET

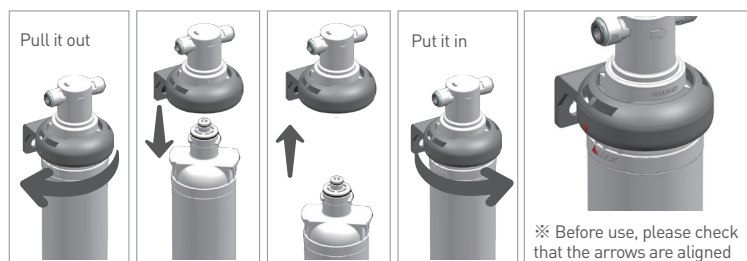
Substance	Influent Challenge Concentration	Average % Reduction	Reduction Requirement	Maximum Effluent Concentration
Chlorine Taste and Odor	2.0 mg/L ± 10%	94.7%	≥ 50%	N/A
Nominal Particulate Class I (particles 0.5 to < 1 µm)	At least 10,000 particles/mL	> 99.9%	≥ 85%	N/A
Cyst	Min. 50,000 cysts/L	> 99.99%	≥ 99.95%	N/A
Turbidity	11 ± 1 NTU	98.9%	N/A	0.5 NTU
Bacteriostatic	10 ¹ and 10 ⁶ organisms (colony forming units, CFU/mL)	PASS	N/A	0.1 mg/L
Microplastics (particles 0.5 to < 1 µm)	At least 10,000 particles/mL	> 99.9%	≥ 85%	N/A

APPLICATIONS

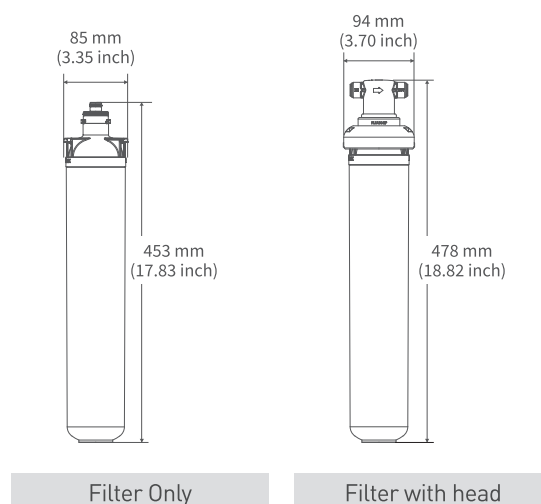
- Fountain
- Cold Water Applications

INSTALLATION INSTRUCTIONS

1. Before Installation: Shut off water supply and relieve pressure.
2. Rotate cartridge 1/4 turn anti-clockwise to remove.
3. To install new cartridge, rotate 1/4 turn clockwise.
4. Position cartridge vertically.
5. Turn on the water. If leaks occur, repeat steps.
If it continues, stop use and contact your dealer.
6. Flush for 5 minutes or until water runs clear.



OVERALL DIMENSIONS



WARNING

1. Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.
2. For cold water only.
3. Replace cartridge when the flow rate becomes too slow, and contact your local dealer or place where you purchase.
4. The disposable filter cartridge must be replaced every 6 months, at the rated capacity or if a noticeable reduction in flow occurs.
5. Test was performed under standard laboratory conditions, actual performance may vary.
6. This warranty shall not apply to any failures resulting from abuse, misuse, alteration, or failure to follow operating instructions.
7. Systems certified for cyst reduction may be used on disinfected waters that may contain filterable cysts.
8. The system conforms to NSF/ANSI 42, 53 and 401 for the specific performance claims as verified and substantiated by test data.
9. In high pressure areas, a PLV (Pressure Limiting Valve) adjusted to 4 kgf/cm² should be fitted at all times.
10. The system and installation shall comply with applicable state and local regulations.

STANDARD FILTER SHELF STORAGE CONDITIONS

1. Store from 4 °C to 38 °C (39 °F to 100 °F). Avoid freezing or excessive heat.
2. Store in a dry, indoor environment. Avoid exposure to high humidity or direct water contact.
3. Keep the filters out of direct sunlight to avoid material degradation.
4. Storage near open flames, flammable materials, or chemicals is strictly prohibited.
5. Most sealed (unopened) filters have a shelf life of up to 2 years from the date of manufacture, if stored properly.
After opening, the filter should be installed and flushed immediately or used within a short period.
6. Leave filters in their original sealed packaging until use to prevent contamination.

LIMITED WARRANTY

MICROFILTER Co., Ltd. referred to herein as "we" or "us," manufactures its products ("Products") and parts ("Parts") using quality workmanship and materials. Accordingly, we warrant to the original purchaser (i.e. the party that purchased the Product directly from us), referred to herein as "you," that water treatment systems and replaceable elements (filter cartridges and water treatment cartridges) by MICROFILTER will be free from defects in materials and workmanship under normal use and service for Six (6) months from the date of purchase from us (we reserve the right to require proof of purchase), or within the replacement period specified in the product specifications, whichever is shorter. However, a longer statutory warranty period may apply in accordance with the consumer protection laws of the country of purchase. This warranty does not cover the failures resulting from abuse, misuse, alteration or damage not caused by MICROFILTER or failure to follow installation and use instructions. Additionally, the service life of the filter cartridge may vary depending on regional water conditions and water consumption, and Microfilter Co., Ltd. does not provide a warranty for the lifespan of the filter cartridge.

* For warranty exclusions applicable to all products and components, please refer to the Limited Warranty.

MICROFILTER

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FLUUX

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