

Product Specifications

NSF System Trade name	FX-10	FX-15	FX-17	FX-21
Replacement Cartridge Name	FX-10R	FX-15R	FX-17R	FX-21R
Overall Dimensions (mm)	94(W)x109(D)x294(H)	94(W)x109(D)x415(H)	94(W)x109(D)x478(H)	94(W)x109(D)x579(H)
Capacity	7,925 gallons (30,000 liters)	16,000 gallons (60,567 liters)	19,000 gallons (71,963 liters)	26,000 gallons (98,420 liters)
Flow Rate	1.5 GPM at 60psi (5.68 LPM)	2.5 GPM at 60psi (9.46 LPM)		
Reduction Claims	Chlorine Taste and Odor, Bacteriostatic, Particulate Class1, Turbidity, Cyst, Microplstics, *Bacteria			
Working Pressure	30 - 125 psi (2.1 – 8.8 kgf/cm ^l)			
Water Temperature	39 - 100 °F (4 - 38 °C)			
Micron Rating (µm)	0.1 micron			
Inlet / Outlet size	3/8” Quick connect			

*As tested and verified by Korea Water Research Institute.



System Tested and Certified by NSF International against NSF/ANSI 42, 53, 401 for the reduction of chlorine, Taste and Odor, Nominal Particulate Class1, Turbidity, Cyst, Bacteriostatic effects and Microplastics



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 suitable for tight space.
- 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.
- All water-contacting parts meet the NSF/ANSI 372 standard of less than 0.25% lead content, ensuring the provision of safe drinking water.
- 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

<FX-10>

Substance	Influent Challenge Concentration	Average % Reduction	Reduction Requirement	Maximum Effluent Concentration
Chlorine Taste and Odor	2.0 mg/L±10%	97.3%	≥50%	N/A
Nominal Particulate Class1 (particles 0.5 to < 1µm)	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±1NTU	>99.1%	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 < 1µm)	At least 10,000 particles/mL	>99.9%	≥85%	N/A

<FX-15. 17. 21>

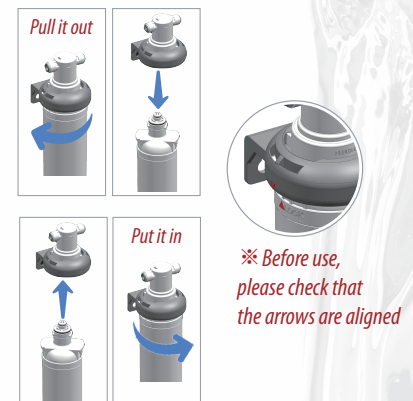
Substance	Influent Challenge Concentration	Average % Reduction	Reduction requirement	Maximum Effluent Concentration
Chlorine Taste and Odor	2.0mg/L $\pm$ 10%	94.7%	$\geq$ 50%	N/A
Nominal Particulate Class1 (particles 0.5 to < 1 μ m)	At least 10,000 particles/mL	>99.9%	$\geq$ 85%	N/A
Cyst	Min 50,000 cysts/L	>99.99%	$\geq$ 99.95%	N/A
Turbidity	11 $\pm$ 1NTU	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 μ m)	At least 10,000 particles/mL	>99.9%	$\geq$ 85%	N/A

Application

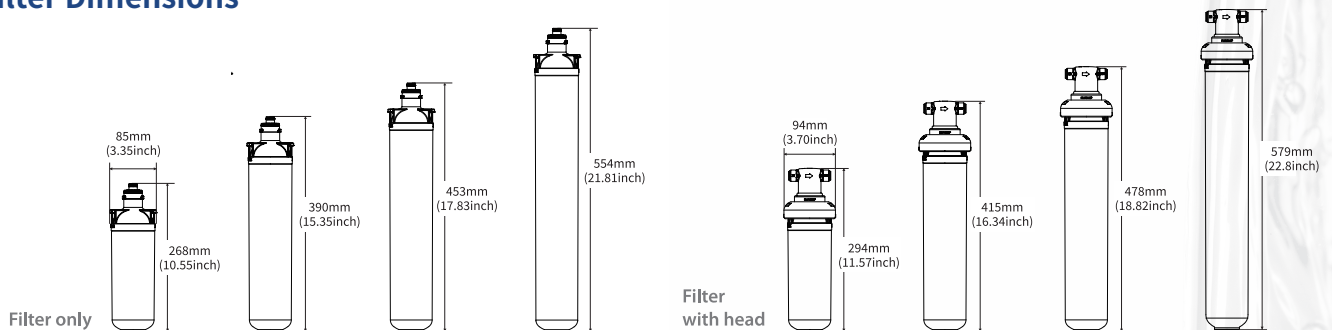
- Fountain
- Cold water applications

Installation Instructions

1. Shut off water supply and relieve pressure.
2. Hold head firmly. Rotate the old cartridge counterclockwise 1/4 turn and pull it out.
3. Pull cartridge down and out of head.
4. Hold head firmly. Insert new cartridge into the filter head.
5. Turn the new cartridge into the filter and rotate clockwise 1/4 until rotation clicks and stops.
Make sure that the filter cartridge arrow on the top collar aligns with the arrow on the head.
6. Connect the inlet and outlet tubing to the appropriate end of the filter by firmly pushing the tubing all the way until tightly seated.
Make sure the end of the tubing is square and scratch free. Trim if necessary.
7. Turn on the water and check for leaks. If leaks occur, repeat steps 1-6. If leaks persist, discontinue use and call your supporting dealer.
8. Flush new cartridge at least 5 minutes before use.



Filter Dimensions



Warning

1. Do not use with water that is microbiologically unsafe or of unknown 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 damaged by abuse, misuse, alteration, or failure to follow operating.
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, PLV (Pressure Limiting Valve) be adjusted at 4 kgf/cm² should be fitted at all times.

Standard Filter Shelf Storage Conditions

1. Store between 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 material defects in materials and workmanship under normal use and service for Six (6) month 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

Manufactured by MICROFILTER Co., Ltd.

T. +82-43-536-5221~4, F. +82-43-534-5105
15-1 GWINONG 3-GIL, DEOKSAN-EUP, JINCHEON-GUN,
CHUNGBUK, 27856, KOREA
EPA Est No. 94813-KOR-2

The logo for FLUUX, featuring a stylized blue and red wave icon to the left of the word "FLUUX" in a bold, sans-serif font.

Configuration of the cartridge cap and head of this product,
"FLUUX" is registered trademarks of MICROFILTER Co., Ltd.

CODE : MFX-EN-01