

All-in-One System for Commercial Grade Filtration System

FX Series



- FX**
basic
- FXL**
Lead reduction
- FXC**
Chloramine reduction

The Most Ideal Water Purifying Solution for your Commercial Machines

Hybrid cartridge suitable for tight HORECA kitchen space
: 4 step "All-In-One" [SD + CB + UF + Polyphosphate (option)]

Reinforced anti-microbial protection
: Inhibits any potential bacterial growth

Variety of suitable options
: 15"/17"/21" with variety of derivatives

Longer life-span compared to current market products
: Approx. 10 % increased capacity depending on raw water quality

Eliminates ultrasmall bacteria (over 100+ E-coli)
: Efficient removal by 0.1micron UF filter

Compatible filter key structure
: Compatible fitting with the most of existing head

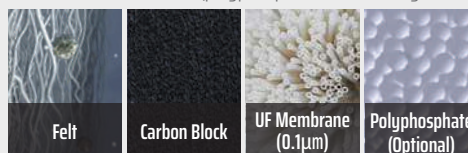
Chlorine Reduction Ratio
: Competitor (15,000 gallon) vs. 7% above

Robust & Aesthetic appreciated Design
: Thicker cartridge (t: 5.6mm vs avg. 4.5mm), FDA certified materials
: "Easy-Grip" (Ø: 75mm vs avg. 78mm)
: Simple, elegant design/structure

Various international certifications achievable upon request



Flow Stage
: Each step can be applied differently on demand
: Various additive available (polyphosphate, ion-exchange resin, etc.)



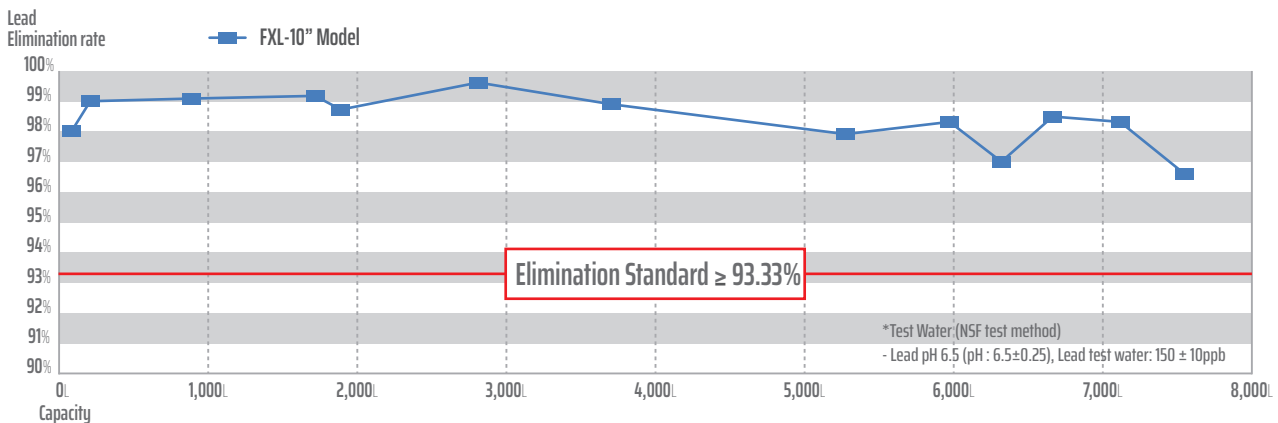
FXL (10", 15", 17", 21")

Reduction of Chlorine
Taste & Odor, Cyst, Lead

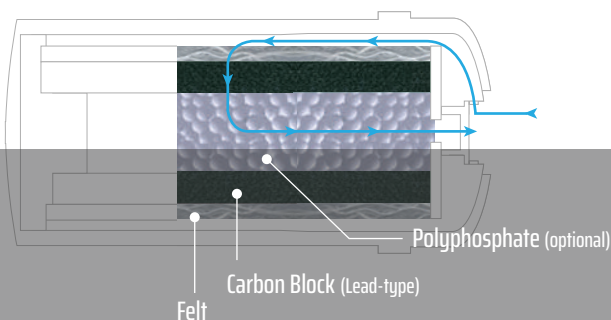
Lead is a heavy metal that is a major environmental/health hazard which is rarely found in source water. Lead can enter drinking water through pipe corrossions. Exposure to lead can cause a variety of health effects, mainly for children and newborns by damaging kidneys, nervous/reproductive system. Water is the main exposure point in old buildings with lead pipes and old fixtures. In contrast to removing old pipes with costly expensive, our FXL cartridges provide efficient removal without having to go through inconvenient construction. Once dissolved, lead cannot be detected without chemical testing since they are odorless, tasteless and invisible to the eye. Because of these undetectable heavy metals, EPA has set their maximum contaminant level for lead to zero. With this mind, Microfilter's FXL cartridges come in handy and suitable for lead contaminated regions around the world.

Lead Reduction (FXL-10")

- Must satisfy a 200% in capacity rate when without PID
- Average elimination rate of 98.3% at a capacity of 3,785L or at 200% capacity of 7,570L
- Test results indicate satisfactory condition on the elimination standard ($\geq 93.33\%$)



Specification



Model	Size (inch)	Micron rating (µm)	Flow rate (GPM)	Capacity (gal)	Chloramine	Lead	E-Coil	Chlorine	Taste & Odor	Bacteriostatic	PT1	Cyst	Turbidity	Sediment	Scale (Option)
HF-FXL10	10	0.5	0.5	1,000	-	•	-	•	•	-	•	•	•	•	•
HF-FXL15	15	0.5	0.5	2,000	-	•	-	•	•	-	•	•	•	•	•
HF-FXL17	17	0.5	0.5	2,600	-	•	-	•	•	-	•	•	•	•	•
HF-FXL21	21	0.5	0.5	3,800	-	•	-	•	•	-	•	•	•	•	•

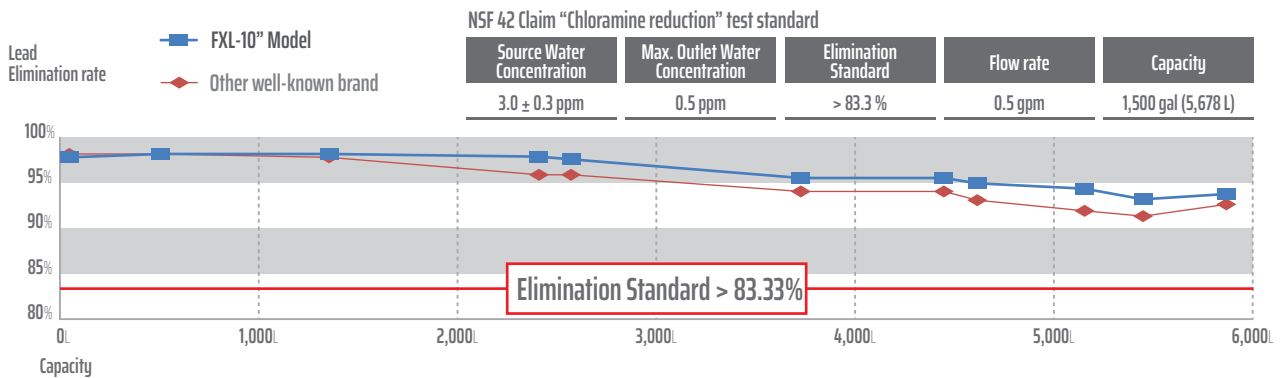
FXC (10", 15", 17", 21")

Reduction of Chlorine
Taste & Odor, Cyst, Chloramine

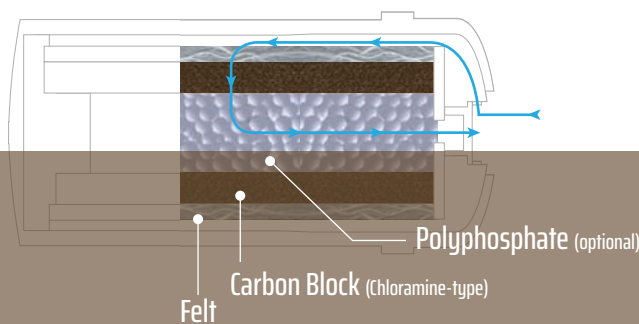
Throughout the United States, cities have used disinfectants such as chlorine and chloramines (NH₂Cl) for several decades. Thus, water borne illnesses like typhoid and cholera have nearly been eliminated. But, chlorine can lead to disinfection by-products (DBPs) which are very harmful to human-beings. To reduce these DBPs, water suppliers added ammonia to the chlorine which then created chloramine, an alternative disinfectant. The EPA estimates that 1 out of 5 Americans drink chloramine contaminated water. As the US EPA places stronger regulations on DBPs, more water suppliers will ultimately turn to the usage of chloramine removing filter cartridges.

Chloramine (monochloramine) in the food service industry must be aware that the use of chloramines can decrease the quality of products such as coffee, beverages, and soups. Water containing chloramine tends to have a "bitter" or "stale" taste. In addition, it damages intricate equipment applied in HORECA. Chloramine containing tap water should not be used in hospitals or dialysis centers as contact into the blood stream can cause serious health problems. The EPA has warned that the exposure to chloramines can lead to the development of gastrointestinal and skin problems. Chloramine can also create perilous DBP (NDMA). NDMA is a compound that is identified as a probable carcinogen by the EPA. NDMA causes headaches, nausea, and vomiting. This is where Microfilter's FXC cartridges kick in for the removal of chloramine and provide a safe drinking water environment for all purposes.

Chloramine Reduction (FXL-10")



Specification



Model	Size (inch)	Micron rating (µm)	Flow rate (GPM)	Capacity (gal)	Chloramine	Lead	E-Coli	Chlorine	Taste & Odor	Bacteriostatic	PT1	Cyst	Turbidity	Sediment	Scale (Option)
HF-FXC10	10	0.5	0.5	1,500	•	-	-	•	•	-	•	•	•	•	•
HF-FXC15	15	0.5	0.7	4,000	•	-	-	•	•	-	•	•	•	•	•
HF-FXC17	17	0.5	0.8	5,300	•	-	-	•	•	-	•	•	•	•	•
HF-FXC21	21	0.5	1.0	8,000	•	-	-	•	•	-	•	•	•	•	•