

3M Science.
Applied to Life.™

Foodservice Water
Filtration Products

Filter out the doubt.

3M™ High Flow CLX Series



Now you can have confidence that your water has both chloramine
and chlorine reduction with the 3M™ High Flow CLX Series.

The beauty of double duty.

Now you can get best-in-class reduction of both chloramine and chlorine taste and odor.

What's better than one simple solution for multiple water quality concerns? Getting it in an easy-to-maintain high-capacity system with a smaller footprint from a partner you trust.

How is your municipality's water treated?

Municipalities use multiple methods to treat their drinking water, with chlorine and chloramine being the most prevalent. Unfortunately, the effects of these chemicals may impact the quality of your beverages and ice, as well as damage your expensive equipment.

Chloramine

Municipalities are switching to using chloramine because they can overcome the disadvantages of chlorine disinfection, but still kill potentially harmful organisms like bacteria and viruses. Just over half of America is provided water treated with chloramine, although some municipalities switch between chlorine and chloramine throughout the year.



Why it matters.

Chloramine and chlorine used in water treatment systems can have a negative impact on your business. Coffee, soft drinks and ice made from water containing chloramine and chlorine can have an off-taste and odor—giving your customers the wrong message. Standard filtration solutions can help you reduce one or the other, but the 3M™ High Flow CLX Series gives you peace of mind that you'll have great-tasting water whether your municipality uses chloramine or chlorine to treat your water. Keep your customers coming back for more with innovative foodservice water filtration products from 3M.

Chlorine

Chlorine has historically been the water disinfectant of choice for municipalities in the U.S. It's highly effective at making water safe by killing potentially harmful organisms in water such as bacteria and viruses. It's not the perfect solution, as it can prematurely dissipate in water distribution pipes and may not provide disinfection at the far ends of the distribution lines.

*Based on a triple manifold system with HF98-CLX at 75,000 gal per cartridge.

One solution, so many benefits.

Chlorine and chloramine reduction are just the start of the reason to choose 3M™ High Flow CLX Series filtration.

High-Capacity Portfolio

The CLX Series offers up to 75,000 gallons¹ of chlorine and chloramine reduction capacities in ONE single cartridge. With a full range of options, you can select the CLX model that meets your needs for filtration performance, capacity, flow rate and size.

Flexibility

The CLX Series is designed with built-in filtering for multiple common disinfectant types, so you don't have to switch filters if your water supply changes between chloramine and chlorine treatments.

Compact Design

With space-saving designs, the CLX Series delivers high-capacity filtration in a small footprint.

Fast and Easy

Cartridge change-outs are quick and simple thanks to the Sanitary Quick Change (SQC) design that eliminates media contamination during change-outs and requires no special tools.

Proven Performance

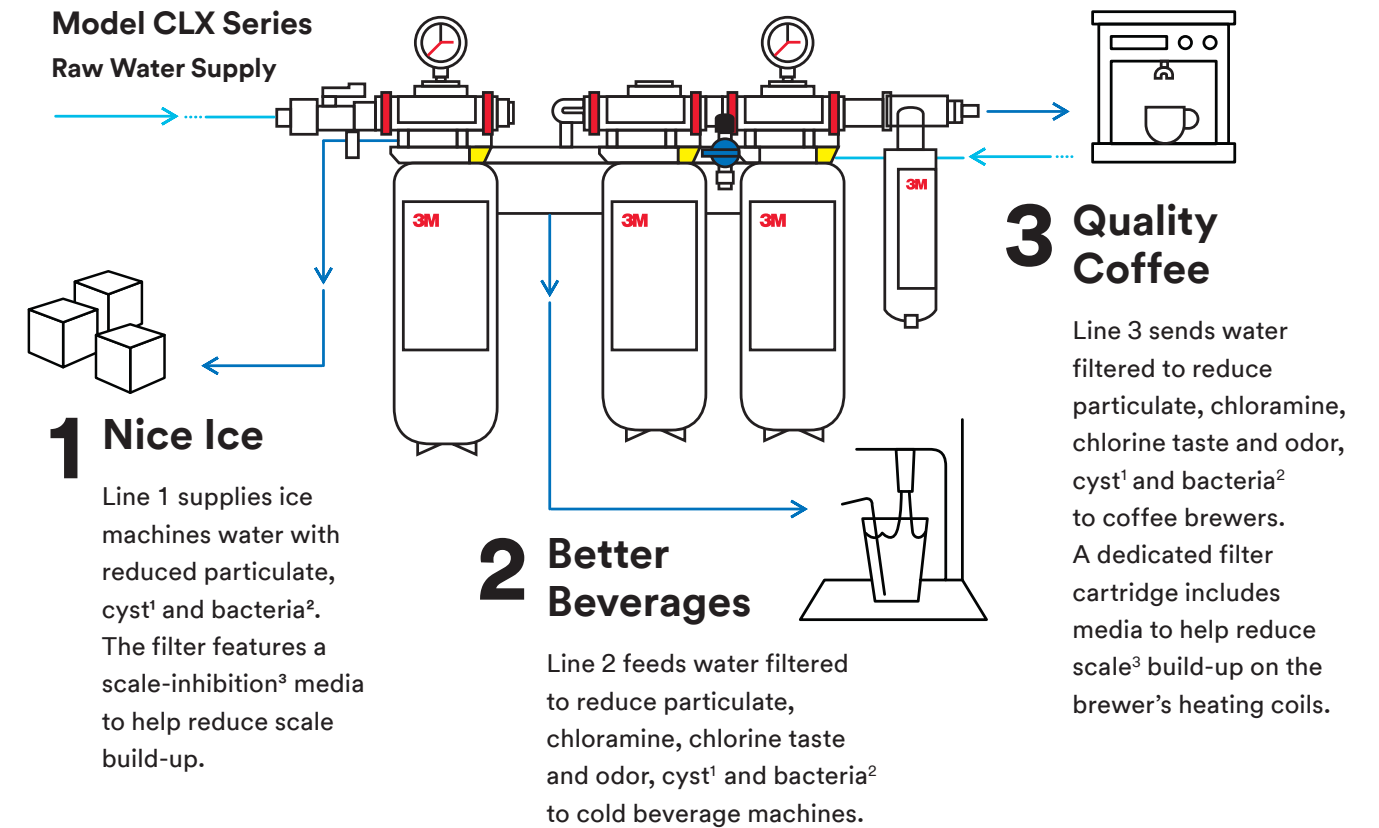
The CLX Series meets NSF and WQA standards² so you can confidently and consistently serve your customers high-quality filtered water.



¹ Model HF98-CLX.
² See performance data sheet for details.

How a Multi-Application System Works

One CLX Series filtration system, three filtration streams.



¹ Certified to NSF/ANSI 53 for Cyst Reduction. Based on testing using *Cryptosporidium parvum* oocysts
² As demonstrated with 99.99% reduction of surrogate organism *E. coli* (ATCC 11229) and *P. fluorescens* (ATCC 49642) in manufacturer's lab test.
³ As tested and verified by manufacturer's laboratory.



The ones that get it done.

Introducing the 3M™ High Flow CLX Series.

Are you prepared if your municipality changes the chemicals it uses to treat your water? It's not uncommon for municipalities to change the chemicals in their process from chlorine to chloramine and vice versa—which could impact the quality of your water. But now you can remove the worry and uncertainty while reducing contaminants with one single filter solution—the 3M™ High Flow CLX Series.

More than **55%** of Americans on municipal water supplies are using water treated with chloramine*

*3M 2014 study.

Water filtration technology.

High Flow HF98-CLX

- High-capacity filtration solution rated at up to 75,000 gallons of chlorine and chloramine reduction in ONE single cartridge
- Single-cartridge flow rates and capacities previously available only with three or four cartridge systems
- Reduces particulate, chloramine and chlorine taste and odor from incoming water
- Chloramine reduction helps eliminate corrosion damage to equipment that uses water such as steamers, combi-ovens, coffee and tea brewers and espresso machines
- Built-in scale inhibitor on select models helps prevent the potentially harmful effects of scale¹ build-up on equipment
- Up to 12-month cartridge life
- Fast and easy cartridge change-outs with Sanitary Quick Change (SQC) encapsulated cartridge design
- Certification to NSF/ANSI 42



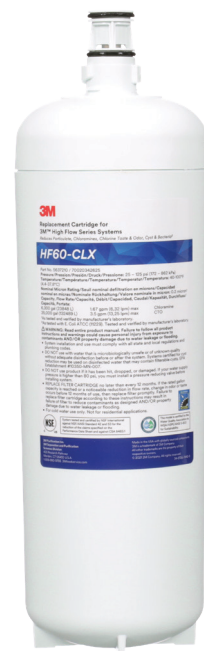
More than **3X** the taste and odor reduction capacity of the leading competitor's pre-coat filter.

Model/Part	3M ID	Micron Rating	Replacement Cartridge	Flow Rate (gpm/lpm)	Capacity (gal./L)	Reduction Claims
HF98-CLX	70020353788	5 micron	HF98-CLX 5637318	1.50 gpm /Chloramine 5.00 gpm/CTO	75,000 gal. (283,906 L)	Sediment, chloramine, chlorine taste and odor
				5.68 lpm /Chloramine 18.93 lpm/CTO		
HF98-CLXS	70020353796	5 micron	HF98-CLXS 5637319	1.50 gpm /Chloramine 5.00 gpm/CTO	75,000 gal. (283,906 L)	Sediment, chloramine, chlorine taste and odor and scale ¹
				5.68 lpm /Chloramine 18.93 lpm/CTO		

¹ As tested and verified by manufacturer's laboratory.

Single-Application Systems

Select models feature Integrated Membrane Pre-Activated Carbon Technology (“I.M.P.A.C.T.”) media. These systems deliver quality water to single applications and are compact, making them ideal for under-counter installations.



Cold Beverage HF60-CLX

Applications

- Fountain/Post Mix
- Single Carbonator, FCB and/or Non-Carb Dispensers
- Juice Machines
- Single and Multi-Dispenser, Push Button and Portion-Control Juice Machines



HF90-CLX

Applications

- Fountain/Post Mix
- High Volume Single Carbonator, FCB and/or Non-Carb Dispensers
- Juice Machines
- High Volume Single and Multi-Dispenser, Push Button and Portion-Control Juice Machines

Multi-Application System

Select models feature Integrated Membrane Pre-Activated Carbon Technology (“I.M.P.A.C.T.”) media. These centralized systems deliver filtered water to multiple pieces of equipment that require different water characteristics



Dual-Flow System for Cold Beverages, Ice and Coffee DF260-CLX

Applications

- Fountain/Post Mix
- Single or Dual Carbonator, FCB and/or Non-Carb Dispensers
- Medium to High Volume Coffee/Tea
- 1, 2 and 3-Warmer Brewers, Liquid Coffee, Airpot Brewers, 3-Gallon Urns and 3 and 4-Gallon Tea Brewers
- Ice Machines
- Commercial Cubers and/or Flakers



Multi-Application Dual-Port System

Cold Beverages, Ice and Coffee DP295-CLX

Applications

Fountain/Post Mix

- High Volume or Triple Carbonator, FCB and/or Non-Carb Dispensers

Medium to High Volume Coffee/Tea

- 1, 2 and 3-Warmer Brewers, Liquid Coffee, Airpot Brewers, 3-Gallon Urns and 3 and 4-Gallon Tea Brewers

Ice Machines

- Commercial Cubers and/or Flakers



Model/Part	3M ID	Micron Rating	Replacement Cartridge	Flow Rate (gpm/lpm)	Capacity (gal./L)	Reduction Claims
Single-Application Systems						
HF160-CLX	70020344357	0.2 micron	HF60-CLX 5637210	1.67 gpm/Chloramine 3.50 gpm/CTO	6,300 gal./chloramine (23,848 L)	Sediment, chloramine, chlorine taste and odor, cyst ¹ , bacteria ⁷
				6.32 lpm/Chloramine 13.25 lpm/CTO	35,000 gal./chlorine (132,489 L)	
HF165-CLX	70020344373	5 micron	HF65-CLX 5637213	1.00 gpm/Chloramine 3.50 gpm/CTO	35,000 gal. (132,489 L)	Sediment, chloramine, chlorine taste and odor
				3.79 lpm/Chloramine 13.25 lpm/CTO		
HF195-CLX	70020344340	5 micron	HF95-CLX 5637311	1.50 gpm/Chloramine 5.00 gpm/CTO	54,000 gal. (204,412 L)	Sediment, chloramine, chlorine taste and odor
				5.68 lpm/Chloramine 18.92 lpm/CTO		
HF265-CLX	70020343557	5 micron	HF65-CLX (2) 5637213	2.00 gpm/Chloramine 7.00 gpm/CTO	70,000 gal. (264,979 L)	Sediment, chloramine, chlorine taste and odor
HF295-CLX	70071473113	5 micron	HF95-CLX (2) 5637311	3.00 gpm/Chloramine 10.00 gpm/CTO	108,000 gal. (408,824 L)	Sediment, chloramine, chlorine taste and odor
				11.36 lpm/Chloramine 37.85 lpm/CTO		
HF395-CLX	70020353820	5 micron	HF95-CLX (3) 5637311	4.50 gpm/Chloramine 15.00 gpm/CTO	162,000 gal. (613,236 L)	Sediment, chloramine, chlorine taste and odor
				17.03 lpm/Chloramine 56.78 lpm/CTO		
Dual Flow Series³						
DF260-CLX ^{4,5}	70020343607	0.2 micron	DF260-CLX CARTPAK, 5613831 (two (2) HF60-CLX cartridges, one (1) HF60-S-SR5 cartridge, and one (1) HF8-S cartridge)	3.34 gpm/Chloramine 7.00 gpm/CTO	12,600 gal./chloramine (47,696 L)	Sediment, chloramine, chlorine taste and odor, scale ² , cyst ¹ , bacteria ⁷
				12.64 lpm/Chloramine 26.50 lpm/CTO	70,000 gal./chlorine (264,979 L)	
DF265-CLX ^{4,6}	70071473105	5 micron	DF265-CLX CARTPAK 5613832 (two (2) HF65-CLX cartridges, one (1) HF65-S-SR5 cartridge, and one (1) HF8-S cartridge)	2.00 gpm/Chloramine 7.00 gpm/CTO	70,000 gal. (264,979 L)	Sediment, chloramine, chlorine taste and odor, scale ²
				7.57 lpm/Chloramine 26.50 lpm/CTO		
DF290-CLX ⁶	70020343433	0.2 micron	DF290-CLX CARTPAK, 5613833 (two (2) HF90-CLX cartridges and one (1) HF90-S-SR5 cartridge)	3.34 gpm/Chloramine 10.00 gpm/CTO	28,000 gal./chloramine (105,992 L)	Sediment, chloramine, chlorine taste and odor, scale ² , cyst ¹ , bacteria ⁷
				12.64 lpm/Chloramine 37.85 lpm/CTO	70,000 gal./chlorine (264,979 L)	
DIDF260-CLX ^{4,5}	70071473121	0.2 micron	DIDF260-CLX CARTPAK, 5613834 (two (2) HF60-CLX cartridges and one (1) HF60-S-SR5 cartridge)	3.34 gpm/Chloramine 7.00 gpm/CTO	12,600 gal./chloramine (47,696 L)	Sediment, chloramine, chlorine taste and odor, scale ² , cyst ¹ , bacteria ⁷
				12.64 lpm/Chloramine 26.50 lpm/CTO	70,000 gal./chlorine (264,979 L)	
DIDF265-CLX ^{4,6}	70071473139	5 micron	DIDF265-CLX CARTPAK, 5613835 (two (2) HF65-CLX cartridges and one (1) HF65-S-SR5 cartridge)	2.00 gpm/Chloramine 7.00 gpm/CTO	70,000 gal. (264,979 L)	Sediment, chloramine, chlorine taste and odor, scale ²
				7.57 lpm/Chloramine 26.50 lpm/CTO		
Multi-Application Systems						
DP295-CLX	70020343482	5 micron	DP295-CLX CARTPAK, 5613830 (two (2) HF95-CLX cartridges and one (1) HF8-S cartridge)	3.00 gpm/Chloramine 10.00 gpm/CTO	108,000 gal. (408,824 L)	Sediment, chloramine, chlorine taste and odor, scale ²
				11.36 lpm/Chloramine 37.85 lpm/CTO		
Replacement Cartridges						
HF45-CLX	70020343599	5 micron	HF45-CLX 5637210	0.70 gpm/Chloramine 2.50 gpm/CTO	25,000 gal. (94,635 L)	Sediment, chloramine, chlorine taste and odor
				2.65 lpm /Chloramine 9.46 lpm/CTO		
HF45-CLXS	70020353754	5 micron	HF45-CLXS 5637116	0.70 gpm /Chloramine 2.50 gpm/CTO	25,000 gal. (94,635 L)	Sediment, chloramine, chlorine taste and odor and scale ²
				2.65 lpm /Chloramine 9.46 lpm/CTO		
HF65-CLX	70020342658	5 micron	HF65-CLX 5637213	1.00 gpm /Chloramine 3.50 gpm/CTO	35,000 gal. (132,489 L)	Sediment, chloramine, chlorine taste and odor
				3.79 lpm /Chloramine 13.25 lpm/CTO		
HF65-CLXS	70020353762	5 micron	HF65-CLXS 5637227	1.00 gpm /Chloramine 3.50 gpm/CTO	35,000 gal. (132,489 L)	Sediment, chloramine, chlorine taste and odor and scale ²
				3.79 lpm /Chloramine 13.25 lpm/CTO		

Model/Part	3M ID	Micron Rating	Replacement Cartridge	Flow Rate (gpm/lpm)	Capacity (gal./L)	Reduction Claims
Replacement Cartridges						
HF95-CLX	70020342781	5 micron	HF95-CLX 5637311	1.50 gpm /Chloramine 5.00 gpm/CTO	54,000 gal. (204,412 L)	Sediment, chloramine, chlorine taste and odor
				5.68 lpm /Chloramine 18.93 lpm/CTO		
HF95-CLXS	70020353770	5 micron	HF95-CLXS 5637317	1.50 gpm /Chloramine 5.00 gpm/CTO	54,000 gal. (204,412 L)	Sediment, chloramine, chlorine taste and odor and scale ²
				5.68 lpm /Chloramine 18.93 lpm/CTO		
HF98-CLX	70020353788	5 micron	HF98-CLX 5637318	1.50 gpm /Chloramine 5.00 gpm/CTO	75,000 gal. (283,906 L)	Sediment, chloramine, chlorine taste and odor
				5.68 lpm /Chloramine 18.93 lpm/CTO		
HF98-CLXS	70020353796	5 micron	HF98-CLXS 5637319	1.50 gpm /Chloramine 5.00 gpm/CTO	75,000 gal. (283,906 L)	Sediment, chloramine, chlorine taste and odor and scale ²
				5.68 lpm /Chloramine 18.93 lpm/CTO		
HF98	70020353804	5 micron	HF98 5637320	5.00 gpm/CTO	75,000 gal. (283,906 L)	Sediment, chlorine taste and odor
				18.93 lpm/CTO		
HF98-S	70020353812	5 micron	HF98-S 5637321	5.00 gpm/CTO	75,000 gal. (283,906 L)	Sediment, chlorine taste and odor and scale ²
				18.93 lpm/CTO		
HF60-CLXS	70020342633	0.2 micron	HF60-CLXS 5637211	1.67 gpm/Chloramine 3.50 gpm/CTO	6,300 gal./chloramine (23,848 L)	Sediment, chloramine, chlorine taste and odor, cyst ¹ , scale ² and bacteria ⁷
				6.32 lpm/Chloramine 13.25 lpm/CTO	35,000 gal./chlorine (132,489 L)	
HF90-CLX	70020342682	0.2 micron	HF90-CLX 5637301	1.67 gpm/Chloramine 5.00 gpm/CTO	14,000 gal. (52,996 L)	Sediment, chloramine, chlorine taste and odor, cyst ¹ , bacteria ⁷
				6.32 lpm /Chloramine 18.93 lpm/CTO	35,000 gal. (132,489 L)	
HF90-CLX-RO	70020342757	0.2 micron	HF90-CLX-RO 5637308	1.67 gpm/Chloramine 5.00 gpm/CTO	14,000 gal. (52,996 L)	Sediment, chloramine, chlorine taste and odor, cyst ¹ , bacteria ⁷
				6.32 lpm /Chloramine 18.93 lpm/CTO	35,000 gal. (132,489 L)	
Upgrade Kit/Accessory						
HF190-SR ⁸	70020353838	0.2 micron	HF90-SR 5639401	N/A	N/A	Sediment, cyst ¹ , bacteria ⁷

¹ Certified to NSF/ANSI Standard 53 for Cyst Reduction, based on testing using *Cryptosporidium parvum* oocysts.

² As tested and verified by manufacturer's laboratory.

³ Select a Dual Flow Series system if you would like to keep chlorine and/or chloramine in the water feeding the ice machine. Capacity shown in the table is for beverage/coffee machines outlet. Ice machine capacity is not applicable for all Dual Flow Series products listed.

⁴ Separate inlet for ice and beverage flow.

⁵ Flow rate shown in the table is for beverage/coffee machines outlet. Ice machine flow rate for all Dual Flow Series products listed is 3.34 gpm.

⁶ Flow rate shown in the table is for beverage/coffee machines outlet. Ice machine flow rate for all Dual Flow Series products listed is 5 gpm.

⁷ Reduction of Water-borne bacteria as demonstrated with 99.99% reduction of surrogate organism *E. coli* (ATCC11229) and *P. fluorescens* (ATCC 49642) in manufacturer's lab test.

⁸ Addition of the HF190-SR membrane-prefilter & head and switching existing replacement filters with CLX replacement filters allows upgrade of an existing 3M™ High Flow Twin, Triple or Dual Port System to a CLX System

Product Selection and Use: Many factors can affect whether a 3M product is appropriate for a particular application and how it performs, including local water and plumbing conditions. Customer is solely responsible for determining whether a 3M product meets customer's specific application requirements, including testing incoming source water quality and comparing it to the product's capabilities described in the Performance Data Sheet. Failure to properly evaluate, select, use or maintain a 3M product, or to meet applicable regulations or instructions, may result in personal injury from exposure to contaminants AND/OR property damage due to water leakage or flooding.

Limited Warranty, Limited Remedy, and Disclaimer: 3M warrants that this product (excluding filter cartridge or filter membrane) will be free from defects in material and manufacture for the period of one (1) year from the date of purchase. No warranty is given as to the service life of any filter cartridge or membrane as it will vary with local water conditions and water consumption. Except as required by law, 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OF TRADE. This warranty does not cover failures resulting from misuse, alterations, failure to follow instructions or damage not caused by 3M. This warranty does not cover labor. If the 3M product does not conform to this warranty, then the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price.

This warranty gives you specific legal rights, and you may have other rights which may vary from state to state, or country to country. For warranty questions or service, please call 866.990.9785. Proof of purchase must accompany a warranty claim.

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