

3M™ Water Filtration Products

# 3M™ High Flow CLX Series Filter Cartridges

The 3M™ High Flow CLX Series filter cartridges for ice, coffee and cold beverage applications provide consistent high-capacity and high-quality water by reducing particulate, chloramine, chlorine taste and odor, cyst<sup>1</sup>, bacteria<sup>2</sup>, and scale<sup>3</sup> with flow rates from 0.7 gpm to 5 gpm and up to 75,000 gallon\* capacity of chlorine and chloramine in ONE compact system.

**Product Benefits:**

- High-capacity chlorine and chloramine filtration in ONE compact design
- Sanitary Quick Change (SQC) encapsulated cartridge design reduces media contamination during change-outs
- Expansive breadth of product offerings that can accommodate most applications
- Multiple choices of media to help provide solutions for varying water conditions
- Contains, Integrated Membrane Pre-Activated Carbon Technology (“I.M.P.A.C.T.”) media (HF60-CLX, HF90-CLX and HF60-CLXS)
- Built-in scale<sup>3</sup> inhibition helping prevent the potentially harmful effects of scale build-up on equipment
- Certified to NSF/ANSI 42 for structural integrity and materials safety
- Certified to NSF/ANSI 42 for chlorine taste and odor, chloramine, and particulate reduction
- Certified to NSF/ANSI 53 for cyst reduction (HF60-CLX, HF90-CLX and HF60-CLXS)
- Reduction of up to 99.99% of common water-borne bacteria<sup>2</sup> by membrane filtration (HF60-CLX, HF90-CLX, and HF60-CLXS)
- WQA certified to WQA/ASPE/ANSI S-803 for Sustainability Attributes
- Components certified by WQA to NSF 372 for low lead compliance



HF45-CLX/S



HF60-CLX/S



HF65-CLX/S



HF95-CLX/S



HF90-CLX



HF98-CLX/S

\*HF98-CLX

<sup>1</sup> Based on testing using *Cryptosporidium parvum* oocysts

<sup>2</sup> Reduction of Water-borne bacteria as demonstrated with 99.99% reduction of surrogate organism *E.coli* (ATCC 11229) and *P. fluorescens* (ATCC 49642) in manufacturer’s lab test.

<sup>3</sup> As tested and verified by manufacturer’s laboratory

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## Product Specifications:

- Temperature: 40°–100°F (4.4°–37.8°C)
- Pressure: 25–125 psi (172–862 kPa)
- Shipping weight: Refer to price book
- Operating weight: Contact factory

Model Number	3M ID	JDE ID	Micron Ratings	Flow Rate	Capacity	Claims
HF45-CLX	70020343599	5637113	5 micron	0.70 gpm /Chloramine 2.50 gpm/CTO	25,000 gals. (94,635 lit.)	Particulate, chloramine, chlorine taste and odor
HF45-CLX	70020343599	5637113	5 micron	2.65 lpm /Chloramine 9.46 lpm/CTO	25,000 gals. (94,635 lit.)	Particulate, chloramine, chlorine taste and odor
HF45-CLXS	70020353754	5637116	5 micron	0.70 gpm /Chloramine 2.50 gpm/CTO	25,000 gals. (94,635 lit.)	Particulate, chloramine, chlorine taste and odor, scale <sup>3</sup>
HF45-CLXS	70020353754	5637116	5 micron	2.65 lpm /Chloramine 9.46 lpm/CTO	25,000 gals. (94,635 lit.)	Particulate, chloramine, chlorine taste and odor, scale <sup>3</sup>
HF65-CLX	70020342658	5637213	5 micron	1.00 gpm /Chloramine 3.50 gpm/CTO	35,000 gals. (132,489 lit.)	Particulate, chloramine, chlorine taste and odor
HF65-CLX	70020342658	5637213	5 micron	3.79 lpm /Chloramine 13.25 lpm/CTO	35,000 gals. (132,489 lit.)	Particulate, chloramine, chlorine taste and odor
HF65-CLXS	70020353762	5637227	5 micron	1.00 gpm /Chloramine 3.50 gpm/CTO	35,000 gals. (132,489 lit.)	Particulate, chloramine, chlorine taste and odor, scale <sup>3</sup>
HF65-CLXS	70020353762	5637227	5 micron	3.79 lpm /Chloramine 13.25 lpm/CTO	35,000 gals. (132,489 lit.)	Particulate, chloramine, chlorine taste and odor, scale <sup>3</sup>
HF95-CLX	70020342781	5637311	5 micron	1.50 gpm /Chloramine 5.00 gpm/CTO	54,000 gals. (204,412 lit.)	Particulate, chloramine, chlorine taste and odor
HF95-CLX	70020342781	5637311	5 micron	5.68 lpm /Chloramine 18.93 lpm/CTO	54,000 gals. (204,412 lit.)	Particulate, chloramine, chlorine taste and odor
HF95-CLXS	70020353770	5637317	5 micron	1.50 gpm /Chloramine 5.00 gpm/CTO	54,000 gals. (204,412 lit.)	Particulate, chloramine, chlorine taste and odor, scale <sup>3</sup>
HF95-CLXS	70020353770	5637317	5 micron	5.68 lpm /Chloramine 18.93 lpm/CTO	54,000 gals. (204,412 lit.)	Particulate, chloramine, chlorine taste and odor, scale <sup>3</sup>
HF98-CLX	70020353788	5637318	5 micron	1.50 gpm /Chloramine 5.00 gpm/CTO	75,000 gals. (283,906 lit.)	Particulate, chloramine, chlorine taste and odor
HF98-CLX	70020353788	5637318	5 micron	5.68 lpm /Chloramine 18.93 lpm/CTO	75,000 gals. (283,906 lit.)	Particulate, chloramine, chlorine taste and odor
HF98-CLXS	70020353796	5637319	5 micron	1.50 gpm /Chloramine 5.00 gpm/CTO	75,000 gals. (283,906 lit.)	Particulate, chloramine, chlorine taste and odor, scale <sup>3</sup>
HF98-CLXS	70020353796	5637319	5 micron	5.68 lpm /Chloramine 18.93 lpm/CTO	75,000 gals. (283,906 lit.)	Particulate, chloramine, chlorine taste and odor, scale <sup>3</sup>
HF60-CLX	70020342625	5637210	0.2 micron	1.67 gpm /Chloramine 3.50 gpm/CTO	6,300 gals./chloramine (23,848 lit.)	Particulate, chloramine, chlorine taste and odor, cyst <sup>1</sup> , and bacteria <sup>2</sup>
HF60-CLX	70020342625	5637210	0.2 micron	6.32 lpm /Chloramine 13.25 lpm/CTO	35,000 gals./chlorine (132,489 lit.)	Particulate, chloramine, chlorine taste and odor, cyst <sup>1</sup> , and bacteria <sup>2</sup>
HF60-CLXS	70020342633	5637211	0.2 micron	1.67 gpm /Chloramine 3.50 gpm/CTO	6,300 gals./chloramine (23,848 lit.)	Particulate, chloramine, chlorine taste and odor, cyst <sup>1</sup> , bacteria <sup>2</sup> , and scale <sup>3</sup>
HF60-CLXS	70020342633	5637211	0.2 micron	6.32 lpm /Chloramine 13.25 lpm/CTO	35,000 gals./chlorine (132,489 lit.)	Particulate, chloramine, chlorine taste and odor, cyst <sup>1</sup> , bacteria <sup>2</sup> , and scale <sup>3</sup>
HF90-CLX	70020342682	5637301	0.2 micron	1.67 gpm /Chloramine 5.00 gpm/CTO	14,000 gals./chloramine (52,996 lit.)	Particulate, chloramine, chlorine taste and odor, cyst <sup>1</sup> , and bacteria <sup>2</sup>
HF90-CLX	70020342682	5637301	0.2 micron	6.32 lpm /Chloramine 18.93 lpm/CTO	35,000 gals./chlorine (132,489 lit.)	Particulate, chloramine, chlorine taste and odor, cyst <sup>1</sup> , and bacteria <sup>2</sup>

<sup>1</sup> Based on testing using *Cryptosporidium parvum* oocysts

<sup>2</sup> Reduction of Water-borne bacteria as demonstrated with 99.99% reduction of surrogate organism *E.coli* (ATCC 11229) and *P. fluorescens* (ATCC 49642) in manufacturer's lab test.

<sup>3</sup> As tested and verified by manufacturer's laboratory

**Technical Information:** The technical information, guidance, and other statements contained in this document or otherwise provided by 3M are based upon records, tests, or experience that 3M believes to be reliable, but the accuracy, completeness, and representative nature of such information is not guaranteed. Such information is intended for people with knowledge and technical skills sufficient to assess and apply their own informed judgment to the information. No license under any 3M or third party intellectual property rights is granted or implied with this information.

**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.

**Limitation of Liability:** Except for the limited remedy stated above, and except to the extent prohibited by law, 3M will not be liable for any loss or damage arising from or related to the 3M product, whether direct, indirect, special, incidental, or consequential (including, but not limited to, lost profits or business opportunity), regardless of the legal or equitable theory asserted, including, but not limited to, warranty, contract, negligence, or strict liability.

Spec # \_\_\_\_\_

Quantity \_\_\_\_\_

Model # \_\_\_\_\_

Part # \_\_\_\_\_

## Important Installation Tips:

These installation tips are for informational purposes only and are not intended to be used as actual installation instructions.

**⚠ WARNING Read entire product manual and Performance Data Sheet. Failure to follow all product instructions could cause personal injury from exposure to contaminants AND/OR property damage due to water leakage or flooding.**

- For cold water use only. Not for residential applications.
- System installation and use must comply with all state and local regulations and plumbing codes.
- Filter cartridge must be replaced at the required intervals as stated on the product label and manual.
- If your water supply pressure is higher than 80 psi, you must install a pressure reducing valve before installing system.
- **DO NOT use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.**
- The 3M™ High Flow CLX Series Filtration Cartridges have been tested and certified to NSF/ANSI standard 42, 53, and CSA B483.1 for the reduction of the substances listed in the system Performance Data Sheet. The system does not reduce all substances that could be present in your water.



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System tested and certified by NSF International against NSF/ANSI 42 and 53 for the reduction of the claims specified on the Performance Data Sheet and against CSA B483.1.



This model is certified by the Water Quality Association to WQA/ASPE/ANSI S-803 for Sustainability.

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