

3M™ Water Filtration Products

SPEC# _____

QUANTITY _____

application: **MULTIPLE EQUIPMENT**

models:

High Flow Series Cyst Replacement Cartridges



3M™ Water Filtration Products line of cyst reduction replacement cartridges offer multiple solutions to help improve the taste, appearance and consistency of your product at flow rates from 1 gpm up to 5 gpm

PRODUCT BENEFITS

- Sanitary Quick Change (SQC) encapsulated cartridge design reduces media contamination during change-outs.
- Expansive breadth of product offering that can accommodate most applications.
- Multiple choice of medias to help provide solutions for varying water conditions.
- Certified by NSF to Standard 53 for cyst¹ reduction.
- FDA CFR-21 compliant materials.
- NSF certified; 3M Purification: Commercial Modular-High Flow Series.
- Contains, Integrated Pre-Activated Carbon Technology ("I.M.P.A.C.T.") media HF40 series thru HF90 series only excluding HF90-S-SR, HF90-S-SR5.

PRODUCT SPECIFICATIONS

Model No.	Part No	3M ID#	Micron Rating	Claims	Flow Rate	Capacity
HF90	5613503	70020020155	0.2	Bacteria ² , Bacteriostatic, Particulate, Chlorine Taste & Odor, Turbidity, Cyst ¹	5 gpm (18.9 lpm)	54,000 gals. (204,412 lit.)
HF90-S	5613505	70020020163	0.2	Bacteria ² , Bacteriostatic, Particulate, Chlorine Taste & Odor, Turbidity, Cyst ¹ , Scale Inhibitor ³	5 gpm (18.9 lpm)	54,000 gals. (204,412 lit.)
HF90-S-SR	5617105	70020020767	0.2	Bacteria ² , Bacteriostatic, Particulate, cyst ¹ , Scale Inhibitor ³	5 gpm (18.9 lpm)	N/A
HF90-S-SR5	5617107	70020020775	0.2	Bacteria ² , Bacteriostatic, Particulate, cyst ¹ , scale inhibitor ³	5 gpm (18.9 lpm)	N/A
HF60	5613403	70020020122	0.2	Bacteria ² , Bacteriostatic, Particulate, Chlorine Taste & Odor, Cyst ¹	3.34 gpm (12.6 lpm)	35,000 gals. (132,489 lit.)
HF60-S	5613405	70020116706	0.2	Bacteria ² , Bacteriostatic, Particulate, Chlorine Taste & Odor, Cyst ¹ , Scale Inhibitor ³	3.34 gpm (12.6 lpm)	35,000 gals. (132,489 lit.)
HF40	5613303	70020020114	0.2	Bacteria ² , Bacteriostatic, Particulate, Chlorine Taste & Odor, Cyst ¹	2.1 gpm (7.9 lpm)	25,000 gals. (94,635 lit.)
HF40-S	5613305	70020121417	0.2	Bacteria ² , Bacteriostatic, Particulate, Chlorine Taste & Odor, Cyst ¹ , Scale Inhibitor ³	2.1 gpm (7.9 lpm)	25,000 gals. (94,635 lit.)
HF30	5615105	70020020577	0.5	Particulate, Chlorine Taste & Odor, Cyst ¹	1.67 gpm (6.3 lpm)	14,000 gals. (52,996 lit.)
HF30-S	5615107	70020020585	0.5	Particulate, Chlorine Taste & Odor, Cyst ¹ , Scale Inhibitor ³	1.67 gpm (6.3 lpm)	14,000 gals. (52,996 lit.)
HF30-MS	5615111	70020020601	0.5	Particulate, Chlorine Taste & Odor, Cyst ¹ , proprietary Scale Inhibitor blend ³	1.67 gpm (6.3 lpm)	14,000 gals. (52,996 lit.)
HF20	5615101	70020020551	0.5	Particulate, Chlorine Taste & Odor, Cyst ¹	1.5 gpm (5.7 lpm)	9,000 gals. (34,069 lit.)
HF20-S	5615103	70020020569	0.5	Particulate, Chlorine Taste & Odor, Cyst ¹ , Scale Inhibitor ³	1.5 gpm (5.7 lpm)	9,000 gals. (34,069 lit.)
HF20-MS	5615109	70020020593	0.5	Particulate, Chlorine Taste & Odor, Cyst ¹ , Scale Inhibitor blend ³	1.5 gpm (5.7 lpm)	9,000 gals. (34,069 lit.)
HF10-MS	5609329	70020019595	0.5	Particulate, Chlorine Taste & Odor, Cyst ¹ , Scale Inhibitor blend ³	1.0 gpm (3.8 lpm)	3,500 gals. (13,249 lit.)

¹Based on the use of Cryptosporidium parvum oocysts.

²As tested with E.Coli ATCC (11229). As tested and verified by manufacturer's laboratory.

³As tested and verified by manufacturer's laboratory.



Cyst Replacement Cartridges

3M™ Water Filtration Products

SPEC# _____

QUANTITY _____

MODEL NUMBER _____

PART NUMBER _____

Model No.	Part No	Shipping Dimension	Weight	Case Qty
HF90	5613503	28" x 4-7/8" x 4-7/8" (71.1 cm. x 12.4 cm. x 12.4 cm)	5 lbs. (2.3 kg.)	1
HF90-S	5613505	28" x 4-7/8" x 4-7/8" (71.1 cm. x 12.4 cm. x 12.4 cm)"	5 lbs. (2.3 kg.)	1
HF90-S-SR	5617105	28" x 4-7/8" x 4-7/8" (71.1 cm. x 12.4 cm. x 12.4 cm)	5 lbs. (2.3 kg.)	1
HF90-S-SR5	5617107	28" x 4-7/8" x 4-7/8" (71.1 cm. x 12.4 cm. x 12.4 cm)	5 lbs. (2.3 kg.)	1
HF60	5613403	22" x 4-7/8" x 4-7/8" (55.9 cm. x 12.4 cm. x 12.4 cm)	3.4 lbs. (1.5 kg.)	1
HF60-S	5613405	22" x 4-7/8" x 4-7/8" (55.9 cm. x 12.4 cm. x 12.4 cm)	3.4 lbs. (1.5 kg.)	1
HF40	5613303	10-1/2" x 5-1/2" x 23-1/4" (26.7 cm. x 14 cm. x 59.1 cm)	5 lbs. (2.3 kg.)	2
HF40-S	5613305	10-1/2" x 5-1/2" x 23-1/4" (26.7 cm. x 14 cm. x 59.1 cm)	5 lbs. (2.3 kg.)	2
HF30	5615105	10-1/2" x 10-1/2" x 28-1/4" (26.7 cm. x 26.7 cm. x 71.8 cm)	9 lbs. (4.1 kg.)	4
HF30-S	5615107	10-1/2" x 10-1/2" x 28-1/4" (26.7 cm. x 26.7 cm. x 71.8 cm)	"9 lbs. (4.1 kg.)"	4
HF30-MS	5615111	10-1/2" x 10-1/2" x 28-1/4" (26.7 cm. x 26.7 cm. x 71.8 cm)	9 lbs. (4.1 kg.)	4
HF20	5615101	15-1/4" x 10-1/2" x 23-1/4" (38.7 cm. x 26.7 cm. x 59.1 cm)	"10 lbs. (4.5 kg.)"	6
HF20-S	5615103	15-1/4" x 10-1/2" x 23-1/4" (38.7 cm. x 26.7 cm. x 59.1 cm)	10 lbs. (4.5 kg.)	6
HF20-MS	5615109	15-1/4" x 10-1/2" x 23-1/4" (38.7 cm. x 26.7 cm. x 59.1 cm)	10 lbs. (4.5 kg.)	6
HF10-MS	5609329	20-3/8" x 10-1/2" x 15-3/4" (51.8 cm. x 26.7 cm. x 40.0 cm)	10 lbs. (4.5 kg.)	8

SPECIFICATIONS

- Maximum operating pressure of 125 psi (862 kPa) and operating temperature of 100° (37.8°C).
- Materials are FDA CFR-21 Compliant.
- Shipping weight: Refer to Price Book
- Operating weight: Contact factory

IMPORTANT: INSTALLATION TIPS

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

⚠️WARNING: To reduce the risk associated with the ingestion of contaminants:

- **Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.** Systems certified for cyst reduction may be used on disinfected water that contain filterable cysts. EPA Establishment #070595-CT-001.

CAUTION: To reduce the risk associated with property damage due to water leakage:

- **Read and follow** Use Instructions before installation and use of this system.
- Installation and use **MUST** comply with all state and local plumbing codes.
- **Protect from freezing**, remove filter cartridge when temperatures are expected to drop below 40°F (4.4°C).
- **Do not install on hot water supply lines.** The maximum operating water temperature of this filter system is 100°F (37.8°C).
- **Do not install** if water pressure exceeds 125 psi (862 kPa). If your water pressure exceeds 80 psi (552 kPa), you must install a pressure limiting valve. Contact a plumbing professional if you are uncertain how to check your water pressure.
- **Do not install** where water hammer conditions may occur. If water hammer conditions exist you must install a water hammer arrester. Contact a plumbing professional if you are uncertain how to check for this condition.
- The disposable filter cartridge **MUST** be replaced every twelve (12) months, at the rated capacity or sooner if a noticeable reduction in flow rate occurs.

LIMITED WARRANTY

3M Purification Inc. warrants this Product will be free from defects in material and manufacture for one (1) year from the date of purchase: This warranty does not cover failures resulting from abuse, misuse, alteration or damage not caused by 3M Purification Inc. or failure to follow installation and use instructions. 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. **3M PURIFICATION INC. 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, CUSTOMER OR USAGE OF TRADE.** If the Product fails to satisfy this Limited Warranty during the warranty period, 3M Purification Inc. will replace the Product or refund your Product purchase price. This warranty does not cover labor. **The remedy stated in this paragraph is Customer's sole remedy and 3M Purification Inc.'s exclusive obligation. For additional information, see the entire Limited Warranty located in the product Installation and Operating Instruction Manual.**

Limitation of Liability. 3M Purification Inc. will not be liable for any loss or damage arising from this 3M Purification Inc. product, whether direct, indirect, special, incidental, or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability. Some states and countries do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.



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3M™ Water Filtration Products

3M™ High Flow Series Cyst Rated Cartridges

3M Water Filtration Products' line of cyst reduction rated cartridges offers multiple solutions to help improve the taste, appearance and consistency of your product at flow rates from 1 gpm up to 5 gpm.

Product Benefits:

- Sanitary Quick Change (SQC) encapsulated cartridge design reduces media contamination during change-outs
- Expansive breadth of product offerings that can accommodate most applications
- Multiple choice of medias to help provide solutions for varying water conditions
- Certified by NSF to Standard 53 for cyst¹ reduction
- NSF and CSA certified
- Contains Integrated Membrane Pre-Activated Carbon Technology ("I.M.P.A.C.T.") media; HF20-I, HF20-SI and HF40 through HF90 Series only



Model Number	3M ID	Part No	Micron Rating	Claims	Flow Rate	Capacity
HF90	70020020155	5613503	0.2	Bacteria ² , Particulate, Chlorine Taste and Odour, Cyst ¹	5 gpm (18.9 lpm)	54,000 gal (204,412 L)
HF90-S	70020020163	5613505	0.2	Bacteria ² , Particulate, Chlorine Taste and Odour, Cyst ¹ , Scale Inhibitor ³	5 gpm (18.9 lpm)	54,000 gal (204,412 L)
HF60	70020020122	5613403	0.2	Bacteria ² , Particulate, Chlorine Taste and Odour, Cyst ¹	3.34 gpm (12.6 lpm)	35,000 gal (132,489 L)
HF60-S	70020116706	5613405	0.2	Bacteria ² , Particulate, Chlorine Taste and Odour, Cyst ¹ , Scale Inhibitor ³	3.34 gpm (12.6 lpm)	35,000 gal (132,489 L)
HF40	70020020114	5613303	0.2	Bacteria ² , Particulate, Chlorine Taste and Odour, Cyst ¹	2.1 gpm (7.9 lpm)	25,000 gal (94,635 L)
HF40-S	70020121417	5613305	0.2	Bacteria ² , Particulate, Chlorine Taste and Odour, Cyst ¹ , Scale Inhibitor ³	2.1 gpm (7.9 lpm)	25,000 gal (94,635 L)
HF30	70020020577	5615105	0.5	Particulate, Chlorine Taste and Odour, Cyst ¹	1.67 gpm (6.3 lpm)	14,000 gal (52,996 L)
HF30-S	70020020585	5615107	0.5	Particulate, Chlorine Taste and Odour, Cyst ¹ , Scale Inhibitor ³	1.67 gpm (6.3 lpm)	14,000 gal (52,996 L)
HF30-MS	70020020601	5615111	0.5	Particulate, Chlorine Taste and Odour, Cyst ¹ , Scale Inhibitor ³	1.67 gpm (6.3 lpm)	14,000 gal (52,996 L)
HF20	70020020551	5615101	0.5	Particulate, Chlorine Taste and Odour, Cyst ¹	1.5 gpm (5.7 lpm)	9,000 gal (34,069 L)
HF20-I	70020352327	5636428	0.2	Bacteria ² , Particulate, Chlorine Taste and Odour, Cyst ¹	1.67 gpm (6.3 lpm)	14,000 gal (52,996 L)
HF20-S	70020020569	5615103	0.5	Particulate, Chlorine Taste and Odour, Cyst ¹ , Scale Inhibitor ³	1.5 gpm (5.7 lpm)	9,000 gal (34,069 L)
HF20-SI	70020352335	5636429	0.2	Bacteria ² , Particulate, Chlorine Taste and Odour, Cyst ¹ , Scale Inhibitor ³	1.67 gpm (6.3 lpm)	14,000 gal (52,996 L)
HF20-MS	70020020593	5615109	0.5	Particulate, Chlorine Taste and Odour, Cyst ¹ , Scale Inhibitor ³	1.5 gpm (5.7 lpm)	9,000 gal (34,069 L)
HF10-MS	70020019595	5609329	0.5	Particulate, Chlorine Taste and Odour, Cyst ¹ , Scale Inhibitor ³	1.0 gpm (3.8 lpm)	3,500 gal (13,249 L)

1. Based on the use of Cryptosporidium parvum oocysts.
 2. As tested with E.Coli ATCC (11229). As tested and verified by manufacturer's laboratory.
 3. As tested and verified by manufacturer's laboratory.

3M Water Filtration Products

Product Specifications:

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

Shipping Specifications

Model No.	Part No.	Shipping Dimension	Weight	Case Qty.
HF90	5613503	71.1 cm × 12.4 cm × 12.4 cm (28"H × 4-7/8"W × 4-7/8"L)	2.3 kg (5 lb)	1
HF90-S	5613505	71.1 cm × 12.4 cm × 12.4 cm (28"H × 4-7/8"W × 4-7/8"L)	2.3 kg (5 lb)	1
HF60	5613403	55.9 cm × 12.4 cm × 12.4 cm (22"H × 4-7/8"W × 4-7/8"L)	1.5 kg (3.4 lb)	1
HF60-S	5613405	55.9 cm × 12.4 cm × 12.4 cm (22"H × 4-7/8"W × 4-7/8"L)	1.5 kg (3.4 lb)	1
HF40	5613303	26.7 cm × 14 cm × 59.1 cm (10-1/2"H × 5-1/2"W × 23-1/4"L)	2.3 kg (5 lb)	2
HF40-S	5613305	26.7 cm × 14 cm × 59.1 cm (10-1/2"H × 5-1/2"W × 23-1/4"L)	2.3 kg (5 lb)	2
HF30	5615105	26.7 cm × 26.7 cm × 71.8 cm (10-1/2"H × 10-1/2"W × 28-1/4"L)	4.1 kg (9 lb)	4
HF30-S	5615107	26.7 cm × 26.7 cm × 71.8 cm (10-1/2"H × 10-1/2"W × 28-1/4"L)	4.1 kg (9 lb)	4
HF30-MS	5615111	26.7 cm × 26.7 cm × 71.8 cm (10-1/2"H × 10-1/2"W × 28-1/4"L)	4.1 kg (9 lb)	4
HF20	5615101	38.7 cm × 26.7 cm × 59.1 cm (15-1/4"H × 10-1/2"W × 23-1/4"L)	4.5 kg (10 lb)	6
HF20-I	5636428	20.64 cm × 29.53 cm × 41.91 cm (8.13"H × 11.63"W × 16.5"L)	6.75 kg (14.88 lb)	6
HF20-S	5615103	38.7 cm × 26.7 cm × 59.1 cm (15-1/4"H × 10-1/2"W × 23-1/4"L)	4.5 kg (10 lb)	6
HF20-SI	5636429	20.64 cm × 29.53 cm × 41.91 cm (8.13"H × 11.63"W × 16.5"L)	6.89 kg (15.18 lb)	6
HF20-MS	5615109	38.7 cm × 26.7 cm × 59.1 cm (15-1/4"H × 10-1/2"W × 23-1/4"L)	4.5 kg (10 lb)	6
HF10-MS	5609329	51.8 cm × 26.7 cm × 40.0 cm (20-3/8"H × 10-1/2"W × 15-3/4"L)	4.5 kg (10 lb)	8

Limited Warranty

Warranty, Limited Remedy, and Disclaimer: 3M warrants that each 3M product meets the applicable 3M product specification at the time 3M ships the product. 3M MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES OR CONDITIONS, INCLUDING ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. If a 3M product does not conform to this warranty, the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price.

Limitation of Liability: Except for the limited remedy 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, regardless of the legal or equitable theory asserted.



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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.

Spec # _____

Quantity _____

Model # _____

Part # _____

Important Installation Tips:

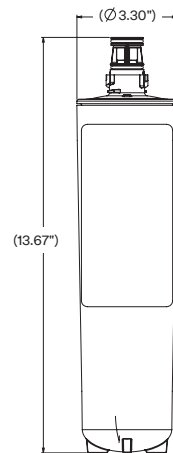
These installation tips are for informational purposes only and are not intended to be used as actual installation instructions.

⚠WARNING: To reduce the risk associated with the ingestion of contaminants:

- **DO NOT use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.** Systems certified for cyst reduction may be used on disinfected water that contain filterable cysts.

CAUTION: To reduce the risk associated with property damage due to water leakage:

- **Read and follow** Use Instructions before installation and use of this system.
- Installation and use **MUST** comply with all provincial and local plumbing codes.
- **Protect from freezing,** remove filter cartridge when temperatures are expected to drop below 4.4°C (40°F).
- **DO NOT install on hot water supply lines.** The maximum operating water temperature of this filter system is 37.8°C (100°F).
- **DO NOT install** if water pressure exceeds 862 kPa (125 psi). If your water pressure exceeds 552 kPa (80 psi), you must install a pressure limiting valve. Contact a plumbing professional if you are uncertain how to check your water pressure.
- **DO NOT install** where water hammer conditions may occur. If water hammer conditions exist you must install a water hammer arrester. Contact a plumbing professional if you are uncertain how to check for this condition.
- The disposable filter cartridge **MUST** be replaced every twelve (12) months, at the rated capacity or sooner if a noticeable reduction in flow rate occurs.



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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, cyst¹, bacteria², and scale³ 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 and HF90-CLX only)
- Built-in scale³ 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 and HF90-CLX only)
- Reduction of up to 99.99% of common water-borne bacteria² by membrane filtration (HF60-CLX and HF90-CLX only)
- 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

¹ Based on testing using *Cryptosporidium parvum* oocysts

² As tested and verified with *E. Coli* ATCC (11229) by manufacturer's laboratory.

³ As tested and verified by manufacturer's laboratory

3M™ High Flow CLX Series Filter Cartridges

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

Spec # _____

Quantity _____

Model # _____

Part # _____

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
				2.65 lpm /Chloramine 9.46 lpm/CTO		
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 ³
				2.65 lpm /Chloramine 9.46 lpm/CTO		
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
				3.79 lpm /Chloramine 13.25 lpm/CTO		
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 ³
				3.79 lpm /Chloramine 13.25 lpm/CTO		
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
				5.68 lpm /Chloramine 18.93 lpm/CTO		
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 ³
				5.68 lpm /Chloramine 18.93 lpm/CTO		
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
				5.68 lpm /Chloramine 18.93 lpm/CTO		
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 ³
				5.68 lpm /Chloramine 18.93 lpm/CTO		
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 ¹ , bacteria ²
				6.32 lpm /Chloramine 13.25 lpm/CTO	35,000 gals./chlorine (132,489 lit.)	
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 ¹ , bacteria ² , scale ³
				6.32 lpm /Chloramine 13.25 lpm/CTO	35,000 gals./chlorine (132,489 lit.)	
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 ¹ , bacteria ²
				6.32 lpm /Chloramine 18.93 lpm/CTO	35,000 gals./chlorine (132,489 lit.)	

¹ Based on testing using *Cryptosporidium parvum* oocysts

² As tested and verified with *E. Coli* ATCC (11229) by manufacturers laboratory.

³ 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.

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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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70-2016-0348-0 REV 1121
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