

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 cyst<sup>1</sup> 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 <sup>2</sup> , Bacteriostatic, Particulate, Chlorine Taste & Odor, Turbidity, Cyst <sup>1</sup>                                | 5 gpm (18.9 lpm)    | 54,000 gals. (204,412 lit.) |
| HF90-S     | 5613505 | 70020020163 | 0.2           | Bacteria <sup>2</sup> , Bacteriostatic, Particulate, Chlorine Taste & Odor, Turbidity, Cyst <sup>1</sup> , Scale Inhibitor <sup>3</sup> | 5 gpm (18.9 lpm)    | 54,000 gals. (204,412 lit.) |
| HF90-S-SR  | 5617105 | 70020020767 | 0.2           | Bacteria <sup>2</sup> , Bacteriostatic, Particulate, cyst <sup>1</sup> , Scale Inhibitor <sup>3</sup>                                   | 5 gpm (18.9 lpm)    | N/A                         |
| HF90-S-SR5 | 5617107 | 70020020775 | 0.2           | Bacteria <sup>2</sup> , Bacteriostatic, Particulate, cyst <sup>1</sup> , scale inhibitor <sup>3</sup>                                   | 5 gpm (18.9 lpm)    | N/A                         |
| HF60       | 5613403 | 70020020122 | 0.2           | Bacteria <sup>2</sup> , Bacteriostatic, Particulate, Chlorine Taste & Odor, Cyst <sup>1</sup>   | 3.34 gpm (12.6 lpm) | 35,000 gals. (132,489 lit.) |
| HF60-S     | 5613405 | 70020116706 | 0.2           | Bacteria <sup>2</sup> , Bacteriostatic, Particulate, Chlorine Taste & Odor, Cyst <sup>1</sup> , Scale Inhibitor <sup>3</sup>            | 3.34 gpm (12.6 lpm) | 35,000 gals. (132,489 lit.) |
| HF40       | 5613303 | 70020020114 | 0.2           | Bacteria <sup>2</sup> , Bacteriostatic, Particulate, Chlorine Taste & Odor, Cyst <sup>1</sup>   | 2.1 gpm (7.9 lpm)   | 25,000 gals. (94,635 lit.)  |
| HF40-S     | 5613305 | 70020121417 | 0.2           | Bacteria <sup>2</sup> , Bacteriostatic, Particulate, Chlorine Taste & Odor, Cyst <sup>1</sup> , Scale Inhibitor <sup>3</sup>            | 2.1 gpm (7.9 lpm)   | 25,000 gals. (94,635 lit.)  |
| HF30       | 5615105 | 70020020577 | 0.5           | Particulate, Chlorine Taste & Odor, Cyst <sup>1</sup>   | 1.67 gpm (6.3 lpm)  | 14,000 gals. (52,996 lit.)  |
| HF30-S     | 5615107 | 70020020585 | 0.5           | Particulate, Chlorine Taste & Odor, Cyst <sup>1</sup> , Scale Inhibitor <sup>3</sup>  | 1.67 gpm (6.3 lpm)  | 14,000 gals. (52,996 lit.)  |
| HF30-MS    | 5615111 | 70020020601 | 0.5           | Particulate, Chlorine Taste & Odor, Cyst <sup>1</sup> , proprietary Scale Inhibitor blend <sup>3</sup>                                  | 1.67 gpm (6.3 lpm)  | 14,000 gals. (52,996 lit.)  |
| HF20       | 5615101 | 70020020551 | 0.5           | Particulate, Chlorine Taste & Odor, Cyst <sup>1</sup>   | 1.5 gpm (5.7 lpm)   | 9,000 gals. (34,069 lit.)   |
| HF20-S     | 5615103 | 70020020569 | 0.5           | Particulate, Chlorine Taste & Odor, Cyst <sup>1</sup> , Scale Inhibitor <sup>3</sup>  | 1.5 gpm (5.7 lpm)   | 9,000 gals. (34,069 lit.)   |
| HF20-MS    | 5615109 | 70020020593 | 0.5           | Particulate, Chlorine Taste & Odor, Cyst <sup>1</sup> , Scale Inhibitor blend <sup>3</sup>  | 1.5 gpm (5.7 lpm)   | 9,000 gals. (34,069 lit.)   |
| HF10-MS    | 5609329 | 70020019595 | 0.5           | Particulate, Chlorine Taste & Odor, Cyst <sup>1</sup> , Scale Inhibitor blend <sup>3</sup>  | 1.0 gpm (3.8 lpm)   | 3,500 gals. (13,249 lit.)   |

<sup>1</sup>Based on the use of Cryptosporidium parvum oocysts.

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

<sup>3</sup>As 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"<br>(71.1 cm. x 12.4 cm. x 12.4 cm)       | 5 lbs.<br>(2.3 kg.)    | 1        |
| HF90-S     | 5613505 | 28" x 4-7/8" x 4-7/8"<br>(71.1 cm. x 12.4 cm. x 12.4 cm)"      | 5 lbs.<br>(2.3 kg.)    | 1        |
| HF90-S-SR  | 5617105 | 28" x 4-7/8" x 4-7/8"<br>(71.1 cm. x 12.4 cm. x 12.4 cm)       | 5 lbs.<br>(2.3 kg.)    | 1        |
| HF90-S-SR5 | 5617107 | 28" x 4-7/8" x 4-7/8"<br>(71.1 cm. x 12.4 cm. x 12.4 cm)       | 5 lbs.<br>(2.3 kg.)    | 1        |
| HF60       | 5613403 | 22" x 4-7/8" x 4-7/8"<br>(55.9 cm. x 12.4 cm. x 12.4 cm)       | 3.4 lbs.<br>(1.5 kg.)  | 1        |
| HF60-S     | 5613405 | 22" x 4-7/8" x 4-7/8"<br>(55.9 cm. x 12.4 cm. x 12.4 cm)       | 3.4 lbs.<br>(1.5 kg.)  | 1        |
| HF40       | 5613303 | 10-1/2" x 5-1/2" x 23-1/4"<br>(26.7 cm. x 14 cm. x 59.1 cm)    | 5 lbs.<br>(2.3 kg.)    | 2        |
| HF40-S     | 5613305 | 10-1/2" x 5-1/2" x 23-1/4"<br>(26.7 cm. x 14 cm. x 59.1 cm)    | 5 lbs.<br>(2.3 kg.)    | 2        |
| HF30       | 5615105 | 10-1/2" x 10-1/2" x 28-1/4"<br>(26.7 cm. x 26.7 cm. x 71.8 cm) | 9 lbs.<br>(4.1 kg.)    | 4        |
| HF30-S     | 5615107 | 10-1/2" x 10-1/2" x 28-1/4"<br>(26.7 cm. x 26.7 cm. x 71.8 cm) | "9 lbs.<br>(4.1 kg.)"  | 4        |
| HF30-MS    | 5615111 | 10-1/2" x 10-1/2" x 28-1/4"<br>(26.7 cm. x 26.7 cm. x 71.8 cm) | 9 lbs.<br>(4.1 kg.)    | 4        |
| HF20       | 5615101 | 15-1/4" x 10-1/2" x 23-1/4"<br>(38.7 cm. x 26.7 cm. x 59.1 cm) | "10 lbs.<br>(4.5 kg.)" | 6        |
| HF20-S     | 5615103 | 15-1/4" x 10-1/2" x 23-1/4"<br>(38.7 cm. x 26.7 cm. x 59.1 cm) | 10 lbs.<br>(4.5 kg.)   | 6        |
| HF20-MS    | 5615109 | 15-1/4" x 10-1/2" x 23-1/4"<br>(38.7 cm. x 26.7 cm. x 59.1 cm) | 10 lbs.<br>(4.5 kg.)   | 6        |
| HF10-MS    | 5609329 | 20-3/8" x 10-1/2" x 15-3/4"<br>(51.8 cm. x 26.7 cm. x 40.0 cm) | 10 lbs.<br>(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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