

3M™ Water Filtration Products

SPEC# _____

QUANTITY _____

model:

application: **MULTIPLE EQUIPMENT**

DP260



3M™ Water Filtration Products, High Flow Series (DP2XX) model DP260 DUAL-PORT water filtration system helps provide consistent high-quality water for the multiple applications of cold beverages, ice and coffee at a combined flow rate of up to 6.68 gpm (25.3 lpm). Two separate streams exit the manifold. Both streams have reduced sediment and chlorine taste and odor. One stream has added scale-inhibition media from a dedicated cartridge to help reduce the ability of calcium and magnesium from adhering as hard scale on the evaporator plates of an ice machine and/or the heating coils of a coffee brewer. The other stream supplies cold beverage dispensers and includes no added scale inhibitor.

DP260 combines chlorine taste and odor reduction with cyst, bacteria and sediment reduction and helps provide protection from the effects of scale for total volumes up to 70,000 gallons (264,950 liters).

PRODUCT BENEFITS

- One system with dual outlet connections simultaneously supplies cold beverage dispensers and ice machines/coffee brewers.
- Up to 6.68 gpm (25.3 lpm) total flow of water especially treated for consistent great-tasting cold beverages, clear and consistent ice and the perfect cup of coffee or tea.
- Revolutionary **Integrated Membrane Pre-Activated Carbon Technology** (“**IMPACT**”) dual-zone media cartridge construction combines a membrane in series with premium activated carbon to provide superior throughput and cartridge life.
- Built-in bacteria inhibitor intended to reduce fouling of media (HF60 replacement cartridge only).
- Certified by NSF to Standard 53 for cyst reduction.
- NSF and/or FDA CFR-21 compliant materials.
- NSF certified (High Flow Series) 3M Purification Inc.
- Reduction of up to 99.99% of common water-borne heterotrophic bacteria by membrane filtration as tested by 3M Purification Inc. (HF60 replacement cartridge only).
- Reduction of scale build-up on evaporator plates and heating coils from the controlled forced-feed orifice addition of scale inhibitor, as tested by 3M Purification Inc.
- Sanitary Quick Change (SQC) encapsulated cartridge design allows for fast and easy cartridge change-outs with a 1/4 turn.
- 3/4" NPT horizontal inlet and outlet ports allow direct or easily adaptable connections to existing plumbing lines.
- Auxiliary inlet gauge port allows optional monitoring of differential water pressure.
- Manifold includes outlet check valves and vent valve.

PRODUCT SPECIFICATIONS

Model Number	Part Number	Reduction Claims	Nominal Micron Rating	Capacity	Service Flow Rate	Replacement Cartridge	Sizing
DP260	56255-01	Cysts ¹ , Bacteria ² , Sediment, Chlorine Taste and Odor, Scale	0.2	70,000 gallons (264,950 liters)	6.68 gpm (25.3 lpm)	DP260 CARTPAK 56138-14 (HF60 [Qty. 2] & CFS441)	For simultaneous operation of carbonators, coffee machines and ice machines

¹Includes oocysts of cryptosporidium and toxoplasma and cysts of giardia and entomoeba

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



DP260

3M™ Water Filtration Products

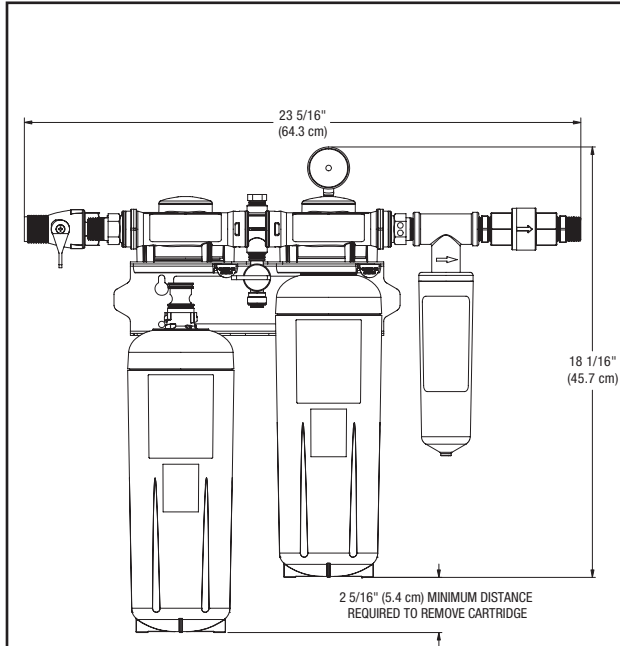
SPEC# _____
QUANTITY _____
MODEL NUMBER _____
PART NUMBER _____

SPECIFICATIONS

- System includes a two cartridge manifold with built-in pressure gauge, inlet water shut-off valve, outlet check valves, mounting brackets, two cartridge filters and a dedicated external scale inhibition cartridge.
- Auxiliary inlet gauge port allows optional monitoring of differential water pressure.
- Inlet and outlet plumbing connections are 3/4" NPT (choice of male or female is included).
- Filter cartridges are o-ring seal type.
- System maximum operating pressure of 125 psi (862 kPa) and operating temperature of 100°F (37.8°C).
- Recommended combined service flow rate is up to 6.68 gpm (25.3 lpm).
- Two large filter cartridges incorporate a bacteriostatic carbon block filtration medium (HF60 replacement cartridge only). Third cartridge includes a scale inhibition medium (HF8-S).
- System materials are NSF and/or FDA CFR-21 compliant.
- Cartridges are sanitary in design, requiring no contact with the filter media during cartridge change-out.
- Filter cartridges require no pre-activation.
- Shipping weight: Contact factory.
- Operating weight: 28.9 lbs. (13.1 kg).

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 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 may 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.
- 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 & LIABILITY

3M Purification Inc. warrants this Product will be free from defects in material and manufacture for the period of five (5) years from the date of purchase: The filter cartridges or filter membranes are warranted to be free from defects in material and manufacture for one (1) year. 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 of limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.



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70-0202-6430-8 REV 0910

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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3M.ca/FoodServiceFiltration



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:

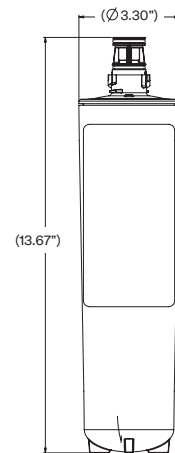
These installation tips are for informational purposes only and are not intended to be used as actual installation instructions.

⚠ 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.

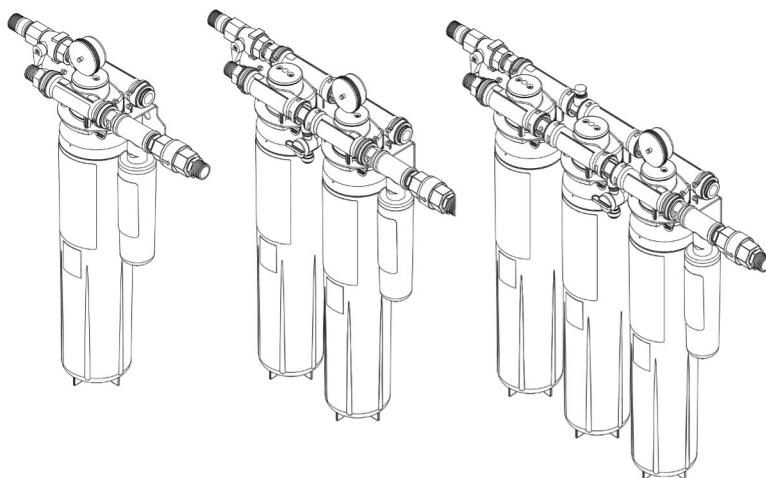


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Water Filtration
Products

Installation Manual for Dual Port Manifold Systems



**For all DP1XX, DP2XX, DP3XX
High Flow Series Water Filtration Systems**

**Register your system and sign up for reminders at:
www.3m.com/FSfilterreminder**

Note: Installer - please leave with owner/operator.



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Safety Information

Please read and follow all product instructions and safety information prior to use of this Food Service System and Replacement Cartridge. Retain these instructions for future reference.

Intended Use and Product Selection:

The 3M™ High Flow Series Water Filtration System filters drinking water for your foodservice equipment, appliance, or faucet tap, also known as a point-of-use system. The system is designed to be plumbed-in to a drinking water appliance or foodservice equipment or installed under a sink attached to your drinking faucet's cold-water supply line. This product should be connected to a public or private drinking water supply system.

The 3M™ High Flow Series Water Filtration System has been tested and certified to NSF/ANSI standard 42 and 53 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. Verify this system meets your water treatment needs by checking your incoming water quality before installation and comparing to the system's capabilities stated in the Performance Data Sheet.

The 3M™ High Flow Series Water Filtration System must be installed and maintained as specified in the installation instructions and in compliance with applicable local plumbing codes and regulations. The system must be installed by a qualified professional.

Explanation of Signal Word Consequences	
⚠ WARNING:	Indicates a hazardous situation which, if not avoided, could result in serious injury or death.
NOTICE:	Indicates a situation which, if not avoided, could result in property damage.

⚠ WARNING:

Read entire product manual. Failure to follow all product instructions and warnings could cause personal injury from exposure to contaminants and/or property damage due to water leakage or flooding.

- **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 may contain filterable cysts.
- **THIS SYSTEM DOES NOT REMOVE ALL SUBSTANCES THAT COULD BE PRESENT IN DRINKING WATER.** This system reduces the listed substances identified in the Performance Data Sheet.
- **VERIFY THIS SYSTEM** meets your water treatment needs by checking your incoming water source quality and comparing to the system's capabilities described in the Performance Data Sheet. Check water source quality by contacting your local water authority and/or having water tested by a qualified laboratory. Check water quality regularly as it can change. After installation, test outgoing filtered water quality regularly to ensure system is installed correctly and meeting your treatment needs, especially if your filter's incoming water or plumbing system may have high contaminant levels. Actual performance may vary depending on your local water and plumbing conditions and water-consumption patterns.
- **DO NOT** use product if it has been hit, dropped, or damaged.
- Before using, flush any new filter cartridge with water according to the Performance Data Sheet. In addition, flush the cartridge whenever the system has not been used for more than 72 hours.
- **REPLACE FILTER CARTRIDGE** no later than every 6 or 12 months. If the rated gallon capacity is reached or a noticeable reduction in flow rate, change in odor or taste occurs before 6 or 12 months of use, then replace filter promptly. Failure to replace filter cartridge according to these instructions may result in failure of filter to reduce contaminants as designed AND/OR property damage due to water leakage or flooding.

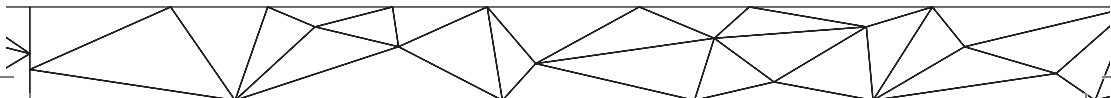
To reduce the risk associated with choking:

- **DO NOT** allow children under 3 years of age to access small parts.

NOTICE:

Read entire product manual. Failure to follow all product instructions may lead to property damage due to water leakage or flooding. Contact a licensed plumber if you are unsure about any of the following instructions:

- System installation and use must comply with all state and local regulations and plumbing codes.
- Water Supply Pressure: If your water supply pressure is higher than 80 psi, you must install a pressure reducing valve before installing system.
- Water Hammer: if water hammer conditions may occur, you must install a water hammer arrester.
- Backflow prevention: If a backflow prevention device is installed on a water system, you must install a device for controlling pressure due to thermal expansion.
- Booster Pump: if a booster pump is installed on a water system, you must (a) maintain and inspect the attached pressure switch regularly in accordance with the booster pump manufacturer's instructions; and (b) install an appropriate pressure reducing valve, and maintain and inspect the valve regularly.
- When mounting the system, pick a location where (a) the filter will not be struck by other items, (b) no equipment, electrical wires or pipes will be in the path of your drilling or tools, and (c) the fasteners will support the weight of the system when full of water.
- Install only on cold water supply line. **DO NOT** install where ambient temperatures or water temperatures may exceed 100°F (37.8°C). **DO NOT** install in direct sunlight or outdoors.
- Protect from freezing. Remove filter cartridge if temperature may drop below 40°F (4.4°C).
- **DO NOT** install with rigid piping (such as copper, aluminum, stainless steel, chrome plated, or anodized tubing).
- Use compatible flexible tubing with appropriate connections (such as PEX tubing, PE tubing, PP tubing). Avoid twisting during installation.
- **DO NOT** install or use if a collet or any other component is missing. Contact 1-866-990-9785 or your local distributor.
- **DO NOT** use product if it has been hit, dropped, or damaged.



NOTICE:

- **REPLACE FILTER CARTRIDGE** no later than every 6 or 12 months or sooner. Failure to replace the filter cartridge at the required time may lead to property damage due to water leakage or flooding.
- Inspect on a regular basis to ensure system is performing appropriately, filter cartridges are replaced in a timely manner, and all tubing and fittings are secure and free of leaks.

For Performance Data Sheet go to 3M.com/waterquality or contact 3M at 1-866-990-9785.

For additional product information, including product manual and spec sheets, contact 3M at 1-866-990-9785.

For additional information on cartridge replacements please go to 3M.com/waterquality.

IMPORTANT NOTES:

- Failure to follow instructions will void warranty.
- Allow a minimum of 3" (7.62 cm) clear space under filter to facilitate filter change.

Renseignements sur la sécurité

Veuillez lire et suivre l'ensemble des instructions sur le produit et des renseignements sur la sécurité avant d'utiliser ce système de services alimentaires et cette cartouche de remplacement. Conservez ces instructions pour pouvoir vous y référer ultérieurement.


Utilisation prévue et sélection des produits :

Le système de filtration d'eau 3M^{MC} de la série High Flow filtre l'eau potable pour votre équipement de services alimentaires, votre appareil ou votre robinet, également connu sous le nom de système de point d'utilisation. Le système est conçu pour être raccordé à l'appareil d'eau potable ou à l'équipement de services alimentaires ou pour être installé sous un évier fixé à la conduite d'alimentation en eau froide de votre robinet. Ce produit doit être relié à un système d'approvisionnement en eau potable public ou privé.

Le système de filtration d'eau 3M^{MC} de la série High Flow a été testé et certifié conforme aux normes NSF/ANSI 42 et 53 pour la réduction des substances indiquées dans la fiche technique de performances du système. Le système ne réduit pas toutes les substances qui peuvent être présentes dans votre eau. Vérifiez que ce système répond à vos besoins en matière de traitement de l'eau en contrôlant la qualité de l'eau d'arrivée avant l'installation et en la comparant aux capacités du système énoncées dans la fiche technique de performances.

Le système de filtration d'eau 3M^{MC} de la série High Flow doit être installé et entretenu comme indiqué dans les instructions d'installation et conformément aux codes de plomberie et aux règlements locaux applicables. Le système doit être installé par un professionnel qualifié.

Descriptions des conséquences des termes signalétiques

 AVERTISSEMENT:	Indique une situation dangereuse qui, si elle n'est pas évitée, pourrait entraîner des blessures graves ou la mort.
AVIS :	Indique une situation qui, si elle n'est pas évitée, peut entraîner des dommages matériels.

AVERTISSEMENT :

Lire entièrement le manuel du produit. Le non-respect de l'ensemble des instructions sur le produit et des avertissements pourrait entraîner des lésions corporelles découlant de l'exposition aux contaminants et/ou des dommages matériels dus à une fuite d'eau ou à une inondation.

- **NE PAS** utiliser avec de l'eau présentant des dangers de contamination microbiologique ou de qualité incertaine sans une désinfection adéquate en amont ou en aval du système. Un système homologué pour la réduction des kystes peut être utilisé lorsque l'eau désinfectée est susceptible de contenir des kystes filtrables.
- **CE SYSTÈME NE SUPPRIME PAS TOUTES LES SUBSTANCES QUI PEUVENT ÊTRE PRÉSENTES DANS L'EAU POTABLE.**
Ce système réduit les substances énumérées qui sont identifiées dans la fiche technique de performances.
- **VÉRIFIEZ QUE CE SYSTÈME** répond à vos besoins en matière de traitement de l'eau en contrôlant la qualité de la source d'eau d'arrivée et en la comparant aux capacités du système décrites dans la fiche technique de performances. Contrôlez la qualité de la source d'eau en communiquant avec votre service local des eaux et/ou en faisant tester l'eau par un laboratoire qualifié. Contrôlez régulièrement la qualité de l'eau, car elle peut changer. Après l'installation, tester régulièrement la qualité de l'eau filtrée sortante pour s'assurer que le système est installé correctement et respecte vos besoins de traitement, en particulier si l'eau qui arrive à votre filtre ou si votre circuit d'eau peut présenter des niveaux de contaminants élevés. Les performances réelles peuvent varier en fonction de la situation locale de l'eau et de la plomberie, mais aussi des habitudes de consommation de l'eau.

⚠ AVERTISSEMENT :

- **NE PAS** utiliser le produit s'il a été heurté, s'il est tombé ou endommagé.
- Avant l'utilisation, rincez toute nouvelle cartouche filtrante avec de l'eau conformément à la fiche technique des performances. De plus, rincez la cartouche chaque fois que le système est resté inutilisé pendant plus de 72 heures.
- **REPLACER LA CARTOUCHE FILTRANTE** au plus tard tous les 6 ou 12 mois. Remplacer immédiatement le filtre si la capacité nominale indiquée en gallons est atteinte ou si une réduction notable du débit ou un changement notable d'odeur ou de goût se produit avant les 6 ou 12 mois d'utilisation. Le non-remplacement de la cartouche filtrante conformément à ces instructions peut entraîner une défaillance du filtre à réduire les contaminants comme prévu ET/OU des dommages matériels dus à une fuite d'eau ou à une inondation.

Pour réduire les risques d'étouffement:

- **INTERDIRE** l'accès aux petites pièces aux enfants de moins de 3 ans.

AVIS :

Lire entièrement le manuel du produit. Le non-respect de l'ensemble des instructions sur le produit peut entraîner des dommages matériels dus à une fuite d'eau ou à une inondation. Communiquez avec un plombier agréé si vous avez des doutes sur les instructions suivantes :

- L'installation et l'utilisation du système doivent être conformes à tous les règlements et codes de plomberie locaux et nationaux.
- Pression de l'alimentation en eau : si votre pression d'alimentation en eau est supérieure à 80 lb/po², vous devez installer une vanne de réduction de la pression avant d'installer le système.
- Coups de bélier : en cas de coups de bélier, vous devez installer un antibélier.
- Prévention du reflux : si un dispositif anti-refoulement est installé sur un réseau d'eau, vous devez installer un dispositif de contrôle de la pression due à la dilatation thermique.
- Pompe de surpression : si une pompe de surpression est installée sur un réseau d'eau, vous devez (a) entretenir et inspecter régulièrement le pressostat raccordé conformément aux instructions du fabricant de la pompe de surpression; et (b) installer une vanne de réduction de la pression appropriée, et entretenir et inspecter la vanne régulièrement.
- Lorsque vous montez le système, choisissez un endroit où (a) le filtre ne sera pas heurté par d'autres objets, (b) aucun équipement, fil électrique ni tuyau ne se trouvera sur le passage de vos outils de perçage, et (c) les fixations supporteront le poids du système une fois rempli d'eau.
- Installez uniquement sur une conduite d'alimentation en eau froide. **NE PAS** installer lorsque la température ambiante ou la température de l'eau dépasse les 37,8 °C (100 °F). **NE PAS** installer en plein soleil ou à l'extérieur.
- Protéger du gel. Retirez la cartouche filtrante lorsque la température tombe sous les 4,4 °C (40 °F).
- **NE PAS** installer avec une tuyauterie rigide (comme des tuyaux en cuivre, en aluminium, en acier inoxydable, chromés ou anodisés).
- Utilisez des tuyaux flexibles compatibles avec des raccords appropriés (comme des tuyaux PEX, PE ou PP). Évitez les torsions pendant l'installation.
- **NE PAS** installer ni utiliser s'il manque une bague de serrage or tout autre composant. Appelez le 1-866-990-9785 ou votre distributeur local.
- **NE PAS** utiliser le produit s'il a été heurté, s'il est tombé ou endommagé.
- **REPLACER LA CARTOUCHE FILTRANTE** tous les 6 ou 12 mois ou plus tôt. Le non-remplacement de la cartouche filtrante au moment requis peut entraîner des dommages matériels dus à une fuite d'eau ou à une inondation.
- Effectuez une inspection régulière afin de vous assurer que le système fonctionne correctement, que les cartouches filtrantes sont remplacées en temps opportun et que tous les tuyaux et les raccords sont bien fixés et ne fuient pas.

Vous trouverez la fiche de données de performances à l'adresse 3M.com/waterquality ou en contactant 3M au 1-866-990-9785.

Pour plus d'informations sur les produits, y compris les manuels et les fiches techniques des produits, contacter 3M au 1-866-990-9785.

Vous trouverez des informations supplémentaires sur les remplacements de cartouche à l'adresse 3M.com/waterquality.

REMARQUES IMPORTANTES :

- Le non-respect des instructions annule la garantie.
- Prévoyez un espace libre d'au moins 7,62 cm (3 po) sous le filtre pour faciliter son changement.

Sicherheitsinformationen

Lesen und beachten Sie alle Produktanweisungen und Sicherheitsinformationen zu diesem System für den Gastronomiebereich und zur Ersatzkartusche. Bewahren Sie diese Anweisungen für zukünftige Referenzzwecke auf.

Verwendungszweck und Produktauswahl:

Das 3M™ High Flow Series Water Filtration System, auch als Point-of-use-System bezeichnet, filtert Trinkwasser für Ihr Gastronomiegerät, Ihr Versorgungssystem oder Ihren Zapfhahn. Das System ist dazu vorgesehen, an ein Trinkwasser-Versorgungssystem oder Gastronomiegerät oder unter einem Spülbecken an die Kaltwasser-Trinkwasserversorgungsleitung angeschlossen zu werden. Dieses Produkt muss an ein öffentliches oder privates Trinkwasser-Versorgungssystem angeschlossen werden.

Das 3M™ High Flow Series Water Filtration System wurde gemäß den NSF/ANSI-Normen 42 und 53 auf die Verringerung der im Systemleistungsdatenblatt aufgeführten Substanzen getestet und entsprechend zertifiziert. Das System verringert nicht alle Substanzen, die in Ihrem System vorhanden sein könnten. Stellen Sie sicher, dass dieses System Ihre Anforderungen an die Wasseraufbereitung erfüllt, indem Sie die Qualität des zufließenden Wassers vor der Installation überprüfen und mit der im Leistungsdatenblatt beschriebenen Systemleistung vergleichen.

Das 3M™ High Flow Series Water Filtration System muss wie in den Installationsanweisungen angegeben installiert und gewartet werden und alle örtlichen Sanitär-Vorschriften und -Bestimmungen erfüllen. Das System darf nur von einem qualifizierten Fachmann installiert werden.

Erläuterung der Signalwortfolgen	
⚠ ACHTUNG:	Weist auf eine Gefahrensituation hin, die, wenn sie nicht vermieden wird, zu schweren oder tödlichen Verletzungen führen kann.
HINWEIS:	Weist auf eine Situation hin, die, wenn sie nicht vermieden wird, zu Sachschäden führen kann.

⚠ ACHTUNG:
<p>Lesen Sie das Produkthandbuch vollständig. Die Nichtbeachtung der Anweisungen und Warnhinweise kann zu Verletzungen von Personen durch Schadstoffe und/oder zu Sachschäden wegen auflaufenden Wassers oder Überflutung führen.</p> <ul style="list-style-type: none">● NICHT mit Wasser verwenden, das mikrobiologisch bedenklich oder dessen Qualität unbekannt ist, wenn vor oder nach dem System keine angemessene Desinfektion erfolgt. Systeme, die eine Zertifizierung für Zystenreduktion besitzen, können für desinfiziertes Wasser, das filterbare Zysten enthält, genutzt werden.● DIESES SYSTEM VERRINGERT NICHT ALLE SUBSTANZEN; DIE IN IHREM SYSTEM VORHANDEN SEIN KÖNNEN. Dieses System verringert die Substanzen, die im Leistungsdatenblatt angegeben sind.● STELLEN SIE SICHER, dass dieses System Ihre Anforderungen an die Wasseraufbereitung erfüllt, indem Sie die Qualität der Quelle des zufließenden Wassers überprüfen und mit der im Leistungsdatenblatt beschriebenen Systemleistung vergleichen. Überprüfen Sie die Qualität der Wasserquelle, indem Sie Ihre örtliche Wasserbehörde kontaktieren und/oder Wasser von einem qualifizierten Labor testen lassen. Überprüfen Sie die Wasserqualität regelmäßig, da sie Änderungen unterliegt. Überprüfen Sie nach der Installation die Qualität des gefilterten fließenden Wassers regelmäßig, um sicherzustellen, dass das System richtig installiert ist und die Aufbereitungsanforderungen erfüllt. Insbesondere, falls das in Ihren Filter einfließende Wasser oder Ihr Sanitärsystem höhere Mengen von Schadstoffen aufweisen kann. Die tatsächliche Leistung hängt von der Beschaffenheit des örtlichen Wassers und der Installationen sowie den Wasserverbrauchsmustern ab.● Verwenden Sie das Produkt NICHT, wenn es angeschlagen, fallen gelassen oder beschädigt wurde.● Spülen Sie jede neue Filterkartusche vor Gebrauch mit Wasser, wie im Leistungsdatenblatt angegeben. Spülen Sie die Filterkartusche außerdem, wenn das System 72 Stunden nicht verwendet wurde.● Die FILTERKARTUSCHE MUSS spätestens alle 12 Monate AUSGETAUSCHT werden. Wenn vor dem Ablauf von 12 Monaten die angegebene Literkapazität erreicht ist oder eine Verringerung des Durchflusses erkennbar ist, eine Änderung von Geruch oder Geschmack auftritt, ist der Filter sofort auszutauschen. Erfolgt der Wechsel der Filterkartusche nicht anweisungsgemäß, kann es zu einer verminderten Filterleistung bei der Verringerung von Schadstoffen UND/ODER zu Sachschäden durch austretendes Wasser oder Überflutung kommen. <p>Zur Reduzierung des Erstickungsrisikos:</p> <ul style="list-style-type: none">● Kinder unter 3 Jahren MÜSSEN von Kleinteilen ferngehalten werden.

HINWEIS:

Lesen Sie das Produkthandbuch vollständig. Es müssen alle Produkthanweisungen beachtet werden, da sonst wegen auslaufenden Wassers oder Überflutung Sachschäden verursacht werden können. Wenden Sie sich an einen qualifizierten Sanitärfachmann, wenn Sie sich bei folgenden Anweisungen unsicher sind:

- Installation und Gebrauch des Systems MÜSSEN alle staatlichen und örtlichen Bestimmungen und Sanitärvorschriften erfüllen.
- Wasserversorgungsdruck: Falls Ihr Wasserversorgungsdruck über 80 psi liegt, müssen Sie vor dem Einbau des Systems ein Druckminderventil installieren.
- Wasserschlag: Wenn Bedingungen vorliegen, die zu Wasserschlag führen können, müssen Sie einen Wasserschlagableiter installieren.
- Rückflussverhinderung: Bei einem Wassersystem mit Sicherungsarmatur gegen Rückfließen muss wegen der Wärmeausdehnung ein Gerät zur Druckkontrolle installiert werden.
- Druckerhöhungspumpe: Falls eine Druckerhöhungspumpe in einem Wassersystem installiert ist, müssen Sie (a) den abgebrachten Druckschalter regelmäßig gemäß den Anweisungen des Druckerhöhungspumpen-Herstellers warten und überprüfen; und (b) ein geeignetes Druckminderventil installieren, und dieses Ventil regelmäßig warten und überprüfen.
- Achten Sie bei der Installation auf Folgendes: Wählen Sie einen Installationsort aus, an dem (a) der Filter nicht mit anderen Objekten in Kontakt kommt, (b) sich keine Geräte, elektrischen Leitungen oder Rohre im Weg Ihres Bohrers oder anderer Werkzeuge befinden, und (c) die Befestigungselemente das Gewicht des Systems tragen können, wenn es mit Wasser gefüllt ist.
- Nur an der Kaltwasserversorgungsleitung installieren. **NICHT** in Bereichen installieren, in denen die Umgebungstemperaturen 100 °F (37,8 °C) überschreiten. Das System **NICHT** in direkter Sonneneinstrahlung oder im Freien installieren.
- Vor Frost schützen. Die Filterkartusche entfernen, wenn die Temperatur unter 40 °F (4,4 °C) fällt.
- Installieren Sie das System **NICHT** mit starren Rohrleitungen (z. B. Rohre aus Kupfer, Aluminium, Edelstahl, verchromte oder eloxierte Rohren).
- Verwenden Sie kompatible flexible Rohre mit geeigneten Verbindungen (z. B. PEX-, PE- oder PP-Rohre). Vermeiden Sie es, die Rohre bei der Installation zu verdrehen.
- **NICHT** installieren oder verwenden, wenn eine Klemmbuchse oder eine andere Komponente fehlt. Wenden Sie sich unter der Rufnummer +1-866-990-9785 an uns oder an Ihren örtlichen Händler.
- Verwenden Sie das Produkt **NICHT**, wenn es angeschlagen, fallen gelassen oder beschädigt wurde.
- Die **FILTERKARTUSCHE MUSS** spätestens alle 6 oder 12 Monate AUSGETAUSCHT werden. Die Filterkartusche muss zu den angegebenen Zeitpunkten ersetzt werden, da sonst wegen auslaufenden Wassers oder Überflutung Sachschäden verursacht werden können.
- Überprüfen Sie das System regelmäßig auf eine einwandfreie Funktion, stellen Sie sicher, dass Filterkartuschen rechtzeitig ausgetauscht werden, und alle Rohre und Armaturen sicher sitzen und keine Undichtigkeiten aufweisen.

Das Leistungsdatenblatt finden Sie unter 3M.com/waterquality oder wenden Sie sich unter 1-866-990-9785 an 3M.

Wenden Sie sich für zusätzliche Produktinformationen, einschließlich Produkthandbuch und Datenblätter, unter 1-866-990-9785 an 3M.

Weitere Informationen zu Ersatzkartuschen finden Sie unter 3M.com/waterquality.

WICHTIGE HINWEISE:

- Eine Nichtbefolgung der Anweisungen führt zu einem Garantieverfall.
- Lassen Sie mindestens 7,62 cm (3") Freiraum unter dem Filter, um den Austausch der Kartusche zu erleichtern.

Informazioni relative alla sicurezza

Leggere e seguire tutte le istruzioni e le informazioni sulla sicurezza relative al prodotto prima di utilizzare questo sistema di manutenzione per la ristorazione e la cartuccia sostitutiva. Conservare queste istruzioni come riferimento futuro.

Usò previsto e selezione del prodotto:

Il sistema di filtrazione dell'acqua, serie 3M™ High Flow filtra l'acqua potabile per le attrezzature, gli elettrodomestici, i rubinetti ed è noto come sistema per punti di utilizzo. Il sistema è progettato per essere collegato a un apparecchio per l'acqua potabile o all'attrezzatura per la ristorazione o per essere installato sotto un lavandino collegato alla tubazione di mandata dell'acqua fredda del rubinetto dell'acqua potabile. Questo prodotto deve essere collegato a un sistema di erogazione idrica potabile privato. Il sistema di filtrazione dell'acqua serie 3M™ High Flow è stato testato e certificato in base allo standard NSF/ANSI 42 e 53 per la riduzione delle sostanze elencate nella Scheda tecnica del sistema. Il sistema non riduce tutte le sostanze che

possono essere presenti nell'acqua. Verificare che questo sistema soddisfi le esigenze di trattamento dell'acqua controllando la qualità dell'acqua in ingresso prima dell'installazione e confrontandola con le capacità del sistema definite nella Scheda tecnica.

Il sistema di filtrazione dell'acqua serie 3M™ High Flow deve essere installato e sottoposto a manutenzione come specificato nelle istruzioni per l'installazione e in conformità ai codici e ai regolamenti locali relativi agli impianti idraulici. Il sistema deve essere installato da un professionista qualificato.

Spiegazione delle conseguenze dei termini di segnalazione	
⚠ AVVERTENZA:	Indica una situazione pericolosa, che se non evitata potrebbe provocare la morte o gravi lesioni.
AVVISO:	Indica una situazione che, se non evitata, potrebbe provocare danni materiali.

⚠ AVVERTENZA:	
<p>Leggere l'intero manuale del prodotto. Il mancato rispetto di tutte le istruzioni e le avvertenze del prodotto può causare lesioni personali da esposizione a contaminanti e/o danni alla proprietà dovuti a perdite d'acqua o allagamenti.</p> <ul style="list-style-type: none"> ● NON usare con acqua microbiologicamente non sicura o di qualità sconosciuta senza un'adeguata disinfezione a monte e a valle del sistema. I sistemi certificati per la riduzione di cisti possono essere utilizzati in acqua disinfettata che può contenere cisti filtrabili. ● IL SISTEMA NON RIMUOVE TUTTE LE SOSTANZE CHE POTREBBERO ESSERE PRESENTI NELL'ACQUA POTABILE. Il sistema riduce le sostanze elencate identificate nella Scheda tecnica. ● VERIFICARE CHE QUESTO SISTEMA soddisfi le esigenze di trattamento dell'acqua controllando la qualità dell'acqua in ingresso prima dell'installazione e confrontandola con le capacità del sistema definite nella Scheda tecnica. Controllare la qualità dell'acqua in ingresso contattando il gestore idrico locale e/o facendo testare l'acqua da un laboratorio qualificato. Controllare regolarmente la qualità dell'acqua in quanto può variare. Dopo l'installazione, testare regolarmente la qualità dell'acqua filtrata in uscita per assicurarsi che il sistema sia installato correttamente e che soddisfi le esigenze di trattamento, specialmente se l'acqua in entrata dal filtro o il sistema idraulico possono avere elevati livelli di contaminanti. Le prestazioni effettive possono variare a seconda dell'acqua locale, delle condizioni idrauliche e dei modelli di consumo dell'acqua. ● NON utilizzare il prodotto se è stato sottoposto a urti, caduta o danni. ● Prima dell'uso, irrigare con acqua ogni cartuccia del filtro nuova secondo la Scheda tecnica. Inoltre, irrigare la cartuccia ogni volta che il sistema non viene utilizzato per oltre 72 ore. ● SOSTITUIRE LA CARTUCCIA DEL FILTRO al massimo ogni 12 mesi. Se si raggiunge la capacità nominale di litri o si verifica una notevole riduzione della portata, un'alterazione dell'odore o del sapore prima dei 12 mesi di utilizzo, sostituire subito il filtro. La mancata osservanza di queste istruzioni nella sostituzione della cartuccia del filtro può causare problemi di filtraggio e di riduzione dei contaminanti E/O danni alla proprietà dovuti da perdite d'acqua/allagamenti. <p>Per ridurre i rischi associati al soffocamento:</p> <ul style="list-style-type: none"> ● IMPEDIRE l'accesso ai componenti piccoli ai bambini di età inferiore ai 3 anni. 	

AVVISO:	
<p>Leggere l'intero manuale del prodotto. Il mancato rispetto di tutte le istruzioni relative al prodotto può causare danni alla proprietà dovuti a perdite d'acqua o allagamenti. Se non si è sicuri riguardo a qualsiasi delle seguenti istruzioni, contattare un idraulico provvisto di licenza:</p> <ul style="list-style-type: none"> ● L'installazione e l'uso del sistema devono rispettare tutti i regolamenti nazionali e locali relativi agli impianti idraulici. ● Pressione di mandata dell'acqua: Se la pressione di mandata dell'acqua è maggiore di 552 kPa (80 psi), prima di installare il sistema è necessario installare una valvola di riduzione della pressione. ● Colpo d'ariete: in presenza di queste condizioni, è necessario installare un ammortizzatore di colpo d'ariete. ● Antiriflusso: se su un impianto idraulico è installato un dispositivo antiriflusso, è necessario installare un dispositivo per il controllo della pressione dovuta a dilatazione termica. ● Pompa ausiliaria: se su un impianto idrico è installata una pompa ausiliaria, occorre: (a) sottoporre regolarmente a manutenzione e ispezione il pressostato collegato, in conformità con le istruzioni del produttore della pompa ausiliaria; (b) installare una valvola riduttrice di pressione adeguata, da sottoporre regolarmente a manutenzione e ispezione. 	



AVVISO:

- Quando si installa il sistema, scegliere un punto in cui (a) il filtro non venga colpito da altri elementi, (b) non vi siano cavi elettrici o tubi accanto agli strumenti di perforazione e (c) i dispositivi di fissaggio sostengano il peso del sistema una volta che questo è pieno d'acqua.
- Installare solo sulla tubazione di mandata dell'acqua fredda. **NON** installare nel caso in cui la temperatura ambiente o quella dell'acqua superi i 37,8° C (100°F). **NON** installare sotto luce solare diretta o all'aperto.
- Proteggere dal congelamento. Rimuovere la cartuccia del filtro in caso di probabilità che la temperatura scenda al di sotto dei 4,4° C (40° F).
- **NON** installare con tubi rigidi (come tubi in rame, alluminio, acciaio inossidabile, cromati o anodizzati).
- Utilizzare tubi flessibili compatibili con connessioni appropriate (come tubi in PEX, PE o PP). Evitare di attorcigliare i tubi durante l'installazione.
- **NON** installare né utilizzare in assenza dell'anello di serraggio o di qualsiasi altro componente. Contattare 1-866-990-9785 o il distributore locale.
- **NON** utilizzare il prodotto se è stato sottoposto a urti, caduta o danni.
- **SOSTITUIRE LA CARTUCCIA DEL FILTRO** al massimo ogni 6 o 12 mesi. La mancata sostituzione della cartuccia del filtro al momento richiesto può causare danni alla proprietà dovuti a perdite d'acqua o allagamenti.
- Ispezionare regolarmente per verificare che il sistema funzioni correttamente, che le cartucce del filtro vengano sostituite tempestivamente e che tutti i tubi e i raccordi siano sicuri e privi di perdite.

Per la scheda tecnica delle prestazioni visitare 3M.com/waterquality o contattare 3M al numero 1-866-990-9785.

Per ulteriori informazioni sul prodotto, compreso il manuale del prodotto e le schede tecniche, contattare 3M al numero 1-866-990-9785.

Per ulteriori informazioni sulla sostituzione delle cartucce, visitare 3M.com/waterquality.

NOTE IMPORTANTI:

- Il mancato rispetto delle istruzioni renderà nulla la garanzia.
- Lasciare uno spazio libero di almeno 7,62 cm (3") sotto il filtro per semplificarne la sostituzione.

Información de seguridad

Lea y observe todas las instrucciones del producto e información de seguridad antes de usar este Sistema de servicio de alimentos y cartucho de repuesto. Guarde las instrucciones para referencia futura.


Uso sugerido y selección de productos:

El sistema de filtración de agua serie High Flow 3M™ filtra el agua potable para su equipo de servicio de alimentos, electrodomésticos o grifos, también es conocido como sistema de punto de uso. El sistema fue diseñado para conectarse a un aparato de agua potable o equipo de servicio de alimentos o para instalarse debajo del fregadero conectado a su línea de suministro de agua fría del grifo de agua potable. Este producto se debe conectar a un sistema de suministro de agua potable público o privado.

El sistema de filtración de agua serie High Flow 3M™ está probado y certificado según las normas 42 y 53 de NSF/ANSI para la reducción de sustancias enumeradas en la hoja de datos de rendimiento del sistema. El sistema no reduce todas las sustancias que puede contener su agua. Verifique que este sistema cumpla con sus necesidades de tratamiento de agua al revisar la calidad de su agua entrante antes de la instalación y compararla con las capacidades del sistema indicadas en la hoja de datos de rendimiento.

El sistema de filtración de agua serie High Flow 3M™ se debe instalar y debe darle mantenimiento según las especificaciones de las instrucciones de instalación y en cumplimiento con los códigos y reglamentos de fontanería local que apliquen. Un profesional calificado debe instalar el sistema.

Explicación de las consecuencias de las palabras de señalización

 ADVERTENCIA:	Indica una posible situación de peligro que, si no se evita, podría ocasionar la muerte o lesiones graves.
AVISO:	Indica una situación que, si no se evita, podría provocar daños a la propiedad.

ADVERTENCIA:

Lea todo el manual del producto. Si no observa todas las instrucciones y advertencias del producto puede provocar lesiones personales por exposición a contaminantes o daños a la propiedad por fugas de agua o inundaciones.

- **NO** lo use con agua que no es microbiológicamente segura o de calidad desconocida sin la desinfección adecuada antes o después del sistema. Se pueden usar sistemas certificados para la reducción de quistes en agua desinfectada que pueda contener quistes filtrables.
- **EL SISTEMA NO ELIMINA TODAS LAS SUSTANCIAS QUE PUEDE CONTENER EL AGUA POTABLE.** Este sistema reduce las sustancias enumeradas identificadas en la hoja de datos de rendimiento.
- **VERIFIQUE QUE ESTE SISTEMA** cumpla con sus necesidades de tratamiento de agua al revisar la calidad de la fuente de agua entrante antes de la instalación y compararla con las capacidades del sistema indicadas en la hoja de datos de rendimiento. Revise la calidad de la fuente de agua al comunicarse con las autoridades de agua local o al solicitar la revisión del agua en un laboratorio calificado. Revise la calidad de agua regularmente pues puede cambiar. Tras la instalación, debe comprobar con regularidad la calidad del agua saliente para verificar que el sistema se haya instalado correctamente y que satisfaga sus requisitos de tratamiento, sobre todo si el agua que pasa por el filtro o el sistema de tuberías pudiera presentar concentraciones elevadas de contaminantes. El rendimiento real puede variar dependiendo de las condiciones de su agua local y de la fontanería, así como de los patrones de consumo de agua.
- **NO** utilice el producto si está golpeado, dañado o si lo dejó caer.
- Antes de utilizarlo, enjuague con agua el cartucho del filtro nuevo de conformidad con la hoja de datos de rendimiento. Además, enjuague el cartucho si no ha utilizado el sistema por más de 72 horas.
- **REEMPLACE EL CARTUCHO DEL FILTRO**, a más tardar, cada 6 o 12 meses. Si se alcanza la capacidad calificada en galones o se produce una reducción considerable del caudal de flujo, o si hay cambios de olor o sabor antes de los 6 o 12 meses de uso, reemplace el filtro cuanto antes. Si no reemplaza el cartucho según estas instrucciones, puede provocar que el filtro no reduzca los contaminantes según fue diseñado O pueden producirse daños a los bienes debido a fugas de agua o inundaciones.

Para reducir el riesgo de asfixia:

- **NO** permita que niños menores de 3 años de edad tengan acceso a las piezas pequeñas.

AVISO:

Lea todo el manual del producto. Si no sigue todas las instrucciones del producto puede provocar daños a la propiedad debido a fugas de agua o inundaciones. Comuníquese con un fontanero certificado si no está seguro de cualquiera de las instrucciones siguientes:

- La instalación y el uso deben cumplir con todas las reglas y códigos de fontanería estatales y locales.
- Presión del suministro de agua: Si la presión de suministro de agua excede 80 psi, debe instalar una válvula reductora de presión antes de instalar el sistema.
- Golpe de ariete: si ocurren condiciones de golpe de ariete, debe instalar un supresor de golpes de ariete.
- Prevención de contraflujo: Si se instala un dispositivo de prevención de contraflujo en un sistema de agua, debe instalar un dispositivo de control de presión debido a la expansión térmica.
- Bomba de refuerzo: si se instala una bomba de refuerzo en un sistema de agua, debe (a) mantener e inspeccionar regularmente el interruptor de presión conectado de acuerdo con las instrucciones del fabricante de la bomba de refuerzo; y (b) instalar una válvula reductora de presión apropiada, así como mantener e inspeccionar dicha válvula periódicamente.
- Cuando coloque el sistema, elija una ubicación en donde (a) otros aparatos no golpeen el filtro, (b) no haya equipo, cables eléctricos o tubos en el trayecto del taladro o herramientas y (c) los afianzadores sostengan el peso del sistema cuando esté lleno de agua.
- Instale solo en una línea de suministro de agua fría. **NO** lo instale en donde las temperaturas del agua o del ambiente excedan 100 °F (37.8 °C). **NO** lo instale bajo la luz directa del sol o en el exterior.
- Proteja del congelamiento. Quite el cartucho si hay probabilidades de que la temperatura descienda a menos de 40 °F (4.4 °C).
- **NO** lo instale con tubería rígida (como cobre, aluminio, acero inoxidable, tubería cromada o anodizada).
- Use tubería flexible compatible con conexiones apropiadas (como tubos de PEX, PE o PP). Evite torcerlo durante la instalación.
- **NO** lo instale ni lo use si le hace falta una boquilla o cualquier otro componente. Comuníquese al 1-866-990-9785 o con su distribuidor local.
- **NO** utilice el producto si está golpeado, dañado o si lo dejó caer.

AVISO:

- **REEMPLACE EL CARTUCHO DEL FILTRO** como muy tarde cada 6 o 12 meses. De no reemplazar el cartucho del filtro en el momento preciso, podrían producirse daños materiales debido a fugas de agua o inundaciones.
 - Inspeccione regularmente para asegurarse de que el ana ls funciona adecuadamente, de reemplazar los filtros oportunamente y de que toda la tubería y los conectores estén bien asegurados y no tengan fugas.
- Para consultar la ficha técnica de rendimiento, entre en 3M.com/waterquality o póngase en contacto con 3M llamando al 917 224 059.
- Si desea más información sobre el producto, incluidos el manual y las fichas técnicas, póngase en contacto con 3M llamando al 917 224 059.
- Si desea más información sobre los recambios de los cartuchos, entre en 3M.com/waterquality.

NOTAS IMPORTANTES:

- Si no sigue las instrucciones anulará la garantía.
- Deje un espacio de un mínimo de 3" (7.62 cm) debajo del filtro para facilitar el cambio del filtro.

Veiligheidsinformatie

Lees en volg alle productinstructies en veiligheidsinformatie alvorens deze vervangende filtercartridge en dit foodservicesysteem te gebruiken. Bewaar deze instructies om ze later te kunnen raadplegen.

Beoogd gebruik en productselectie:

Het 3M™ High Flow waterfiltratiesysteem filtert drinkwater voor uw foodservice-apparatuur, -toestel of -kraan, en wordt ook wel een 'point-of-use'-systeem genoemd. Het systeem is ontworpen om op drinkwater- of foodservice-apparatuur te worden aangesloten, of om onder een wasbak aan de koudwatertoevoerleiding van uw drinkwaterkraan te worden gemonteerd. Dit product dient op een openbaar of privaat systeem voor drinkwatervoorziening te worden aangesloten.

Het 3M™ High Flow waterfiltratiesysteem is getest en gecertificeerd conform de NSF/ANSI-standaarden 42 en 53 met betrekking tot de vermindering van in het blad met prestatiegegevens bij het systeem vermelde stoffen. Het systeem vermindert niet alle mogelijk in uw drinkwater aanwezige stoffen. Controleer of dit systeem aan uw behoeften op het gebied van waterbehandeling voldoet door alvorens het systeem te monteren de kwaliteit van de bron van uw binnenkomende water te verifiëren en deze kwaliteit met de in het blad met prestatiegegevens vermelde capaciteiten van het systeem te vergelijken.

Het 3M™ High Flow waterfiltratiesysteem moet worden gemonteerd en onderhouden zoals gespecificeerd in de montage-instructies en conform de toepasselijke plaatselijke sanitaire voorschriften en regelgeving. Het systeem moet door een gekwalificeerde professional worden gemonteerd.

Uitleg over de gevolgen van signaalwoorden



WAARSCHUWING:

Geeft een gevaarlijke situatie aan die, indien deze niet wordt vermeden, ernstig letsel of overlijden tot gevolg kan hebben.

KENNISGEVING:

Geeft een situatie aan die, indien deze niet wordt vermeden, materiële schade tot gevolg kan hebben.



WAARSCHUWING:

Lees de volledige producthandleiding. Het niet naleven van deze productinstructies en waarschuwingen kan als gevolg van blootstelling aan verontreinigende stoffen lichamelijk letsel tot gevolg hebben, en/of kan als gevolg van waterlekkage of overstroming materiële schade veroorzaken.

- **NIET** gebruiken met water dat vanuit microbiologisch standpunt onveilig of van onbekende kwaliteit is zonder het systeem op voorhand en achteraf afdoende te ontsmetten. Systemen die zijn gecertificeerd voor kiemvermindering kunnen worden gebruikt met gedesinfecteerd water dat mogelijk filterbare kiemen bevat.
- **HET SYSTEEM VERWIJDEERT NIET ALLE MOGELIJK IN UW DRINKWATER AANWEZIGE STOFFEN.** Het systeem zorgt voor vermindering van de in het blad met prestatiegegevens vermelde stoffen.
- **CONTROLEER OF DIT SYSTEEM** aan uw behoeften op het gebied van waterbehandeling voldoet door voordat u het systeem monteert de kwaliteit van de bron van uw binnenkomende water te verifiëren deze met de in het blad met prestatiegegevens vermelde capaciteiten bij het systeem te vergelijken. Controleer de kwaliteit van de waterbron door contact op te nemen met uw plaatselijke waterkwaliteitsbeheerder en/of het water door een gekwalificeerd laboratorium te laten testen. Zorg ervoor dat u de waterkwaliteit regelmatig laat controleren, aangezien deze aan verandering onderhevig is. Test de kwaliteit van het uitgaande water na de installatie regelmatig om te waarborgen dat het systeem correct is geïnstalleerd en voldoet aan uw eisen op het gebied van waterbehandeling, in het bijzonder als het water dat via uw filter binnenkomt of uw afvoersysteem te kampen heeft met een sterke vervuilingsgraad. Daadwerkelijke prestaties kunnen afhankelijk van uw plaatselijke water- en sanitaire voorzieningen en waterconsumptiepatronen verschillen.

WAARSCHUWING:

- Het product **NIET** gebruiken als het gevallen of beschadigd is, of ertegenaan gestoten is.
 - Spoel elke nieuwe filtercartridge voorafgaand aan gebruik met water in overeenstemming met de instructies die op het blad met prestatiegegevens vermeld zijn. Daarnaast dient u de cartridge te spoelen als het systeem meer dan 72 uur niet is gebruikt.
 - **VERVANG DE FILTERCARTRIDGE** uiterlijk elke 6 tot 12 maanden. Vervang de filter onmiddellijk als de nominale capaciteit in gallons is bereikt, of als er binnen 6 tot 12 maanden een waarneembare verandering van de geur of de smaak optreedt. Het niet vervangen van de filtercartridge in overeenstemming met deze instructies kan ervoor zorgen dat het filter de verontreinigingen niet vermindert zoals beoogd, EN/OF kan materiële schade door waterlekage of overstroming tot gevolg hebben.
- Op de volgende wijze kunt u het risico op verstikking beperken:**
- HOUD KINDEREN jonger dan 3 jaar uit de buurt van kleine onderdelen.

KENNISGEVING:

Lees de volledige producthandleiding. Het niet volgen van alle productinstructies kan materiële schade door waterlekage of overstroming tot gevolg hebben. Neem contact op met een bevoegde loodgieter als u de volgende instructies niet volledig begrijpt:

- De montage en het gebruik van het systeem **MOETEN** in overeenstemming zijn met alle nationale en plaatselijke sanitaire voorschriften en regelgeving.
- Waterdruk: Als de waterdruk hoger dan 80 psi is, moet u een drukbegrenzende klep monteren voordat u het systeem monteert.
- Waterslagdemper: als waterslagverschijnselen optreden, dient u een waterslagdemper te monteren.
- Terugstroompreventie: Als op het watersysteem een terugstroombeveiliging wordt gemonteerd, dient u vanwege thermische uitzetting een drukbegrenzer te monteren.
- Aanjaagpomp: als een aanjaagpomp op het watersysteem wordt gemonteerd, moet u (a) de aan de pomp bevestigde drukregelaar regelmatig onderhouden en inspecteren in overeenstemming met de bij de aanjaagpomp meegeleverde instructies van de fabrikant, en (b) een geschikte drukverlagende klep monteren en deze regelmatig onderhouden en inspecteren.
- Zorg ervoor dat, als u het systeem monteert, u een locatie kiest waar (a) het filter niet door andere voorwerpen kan worden geraakt, (b) zich geen apparatuur, elektrische bedrading of leidingen in het pad van de boorapparatuur- of hulpmiddelen bevinden, en (c) de bevestigingen het gewicht van het systeem kan dragen als het vol met water zit.
- Uitsluitend op de koudwatertoevoerleiding installeren. **NIET** monteren op een plek met een omgevingstemperatuur boven 37,8 °C (100 °F). **NIET** monteren in direct zonlicht of buiten.
- Beschermen tegen bevriezing. Verwijder de filtercartridge indien de temperatuur onder 4,4 °C (40 °F) daalt.
- **NIET** monteren op stijve leidingen (zoals koperen, aluminium, roestvrij stalen, verchroomde of geanodiseerde leidingen).
- Gebruik compatibele flexibele leidingen met geschikte aansluitingen (zoals PEX-, PE-en PP-leidingen). Vermijd het draaien van de leidingen tijdens de montage.
- **NIET** monteren of gebruiken als een spanbus of ander onderdeel ontbreekt. Bel 1-866-990-9785 of neem contact op met uw plaatselijke distributeur.
- Het product **NIET** gebruiken als het gevallen of beschadigd is, of ertegenaan gestoten is.
- **VERVANG DE FILTERCARTRIDGE** uiterlijk elke 6 tot 12 maanden, of eerder. Het niet vervangen van de filtercartridge wanneer dit nodig is, kan materiële schade door waterlekage of overstroming tot gevolg hebben.
- Inspecteer het systeem regelmatig om te controleren of het systeem op de juiste wijze functioneert, filtercartridges op tijd zijn vervangen en alle leidingen en koppelstukken goed vastzitten en lekagevrij zijn.

Ga voor de prestatiegegevens naar 3M.com/waterquality of neem contact op met 3M via 1-866-990-9785.

Voor aanvullende productinformatie, waaronder producthandleidingen en -specificaties, kunt u via 1-866-990-9785 contact opnemen met 3M.

Aanvullende informatie over het vervangen van cartridges vindt u op 3M.com/waterquality.

BELANGRIJKE OPMERKINGEN:

- Door het niet volgen van de instructies vervalt de garantie.
- Zorg voor minimaal 7,62 cm (3 inch) vrije ruimte onder het filter, zodat het gemakkelijker kan worden vervangen.

安全に関する情報

このフード・サービス・システムおよび交換用カートリッジをご使用になる前に必ず、製品の取扱説明書および安全情報をすべて読み、その内容に従ってください。取扱説明書は大切に保管し、必要に応じて参照してください。

用途と製品の選定について：

3M™ High Flow Series Water Filtration System (3M™高流量水濾過装置)は食品サービス機器、電気器具、水道の蛇口などで飲料水を濾過する装置であり、使用現場設置式システムとしても知名度の高い製品です。本製品は、飲料水電気器具や食品サービス機器に配管接続で取り付ける、あるいは飲料水用の蛇口の冷水供給管が繋がっているシンク下に取り付ける設計になっています。本製品は公共または私用の飲料水供給システムに接続するためのものです。

3M™ High Flow Series Water Filtration System (3M™高流量水濾過装置)は、本製品の性能データシートに掲載されている物質の低減に関して、NSF/ANSI規格42および53の試験を通過し、認定を受けています。本製品をご利用の水の中に存在しうるすべての物質を低減するものではありません。本装置を取り付ける前に、供給されている水の水質をチェックし、性能データシートに記載されている本製品の能力と比較して、本製品が希望する水処理ニーズと合っているか確認してください。

3M™ High Flow Series Water Filtration System (3M™高流量水濾過装置)は必ず、設置に関する取扱説明書の内容に従い、さらに地域の該当する配管規則や規制に従って設置し、保全作業を実施してください。

本製品の設置は有資格者が行う必要があります。

シグナルワードの重大性についての説明

△ 警告：	回避しなかった場合、重傷または死亡に至る恐れのある危険な状況を示しています。
注意：	回避しなかった場合、物的損害が発生しうる状況を示しています。

△ 警告：

製品マニュアルは全文をお読みください。すべての製品マニュアルおよび警告に従わない場合、汚染物質への曝露による人体損傷、あるいは水漏れまたは浸水などによる物的損害を引き起こす恐れがあります。

- 微生物学的に安全でない水や水質の不明な水を使用する場合は、本製品の使用前に十分な殺菌を行ってください。シストの低減が証明されているシステムでは、濾過可能なシストを含有する可能性のある殺菌水を使用できる場合があります。
- **本製品は飲料水の中に存在しうるすべての物質を除去するものではありません。**
本製品は性能データシートに掲載した物質を低減するものです。
- 供給元である水源の水質をチェックし、性能データシートに詳述されている本製品の能力と比較して、本製品が希望する水処理ニーズと合っているか確認してください。水源の水質チェックは、地域の水道局に問い合わせるか、認可を受けている試験業者に水質検査を依頼してください。水質は変化することがありますので、定期的にチェックしてください。設置後は、定期的にもろ過水の水質を検査し、システムが正しく設置されているか、お客様の処理ニーズを満たしているかを確認してください。特に、フィルターに入ってくる水や配管システムの汚染度が高い可能性がある場合は、注意が必要です。実際の性能は、地域の水の状態や配管の状態、さらに水の消費パターンにより異なる場合があります。

- 追突、落下、破損した製品は使用しないでください。
- 使用前に、性能データシートに従って新しいフィルターカートリッジに水を流してください。また、本製品を72時間以上使用しなかった場合は、必ず、カートリッジに水を流してください。
- 遅くとも6か月または12か月ごとに**フィルターカートリッジを交換してください**。定格ガロン容量に達した場合や、6か月または12か月の使用前に、流量の顕著な減少、臭いや味の変化が生じた場合は、速やかにフィルターを交換してください。こうした取扱説明に従わずフィルターカートリッジを交換しなかった場合、フィルターは、設計どおりに汚染物質を低減できなくなったり、水漏れや浸水による物的損害を引き起こす恐れがあります。

窒息リスクを軽減させるため：

- 小さな部品を3歳未満の子供の手の届く範囲に置かないでください。

注意：

製品マニュアルは全文をお読みください。すべての製品マニュアルに従わない場合、水漏れまたは浸水などによる物的損害を引き起こす恐れがあります。以下の取扱説明がよく分からない場合には、免許を有する配管技能者にお問い合わせください。

- 本製品の設置と使用にあたっては、自治体や地域の規制および配管規則にすべて従う必要があります。
- 給水圧力：水圧が52 kPa (80 psi) を超える場合は、本製品を設置する前に圧力制限バルブを必ず設置してください。

注意：

- 水撃作用（ウォーターハンマー）：水撃作用が発生する恐れのある場合、必ず水撃防止器を取り付けてください。
- 逆流防止：逆流防止器が給水システムに設置されている場合、熱膨張による圧力の制限装置を必ず取り付けてください。
- ブースターポンプ：給水システムにブースターポンプが取り付けられている場合、(a) ブースターポンプのメーカーが発行する取扱説明書に従い、付いている圧力スイッチを必ず定期的に保守および点検してください。さらに、(b) 必ず適切な圧力制限バルブを設置し、バルブを定期的に保守および点検してください。
- 本製品を取り付ける場所は、次の点に配慮してお選びください。(a) フィルターが他の物にぶつからない場所、(b) 機器類、電気配線、配管がドリルによる穴開けや治具類の経路を妨げない場所、かつ、(c) 水を最大限に流したときに本製品の重さを留め具がしっかり支えられる場所。
- 冷水の給水管のみに設置してください。周囲温度または水温が100°F (37.8°C) を超える可能性がある場所には、設置しないでください。直射日光を避け、屋外には設置しないでください。
- 凍結を防止してください。気温が40°F (4.4°C) を下回る可能性がある場合は、フィルターカートリッジを取り外してください。
- 剛性の配管（銅、アルミニウム、ステンレス鋼、クロムメッキ、アルマイトなど）は設置しないでください。
- 適切な接続ができる互換性のあるフレキシブル管を使用してください（PEX管、PE管、PP管など）。取り付けの際にねじらないようにしてください。
- コレットやその他の部品が紛失している場合には、設置したり使用したりしないでください。電話番号（1-866-990-9785）または最寄りの販売店までお問い合わせください。
- 追突、落下、破損した製品は使用しないでください。
- 6か月または12か月に一回、ないしはそれ以上の頻度でフィルターカートリッジを交換してください。所定の要求時期にフィルターカートリッジを交換しなかった場合、水漏れまたは浸水などによる物的損害を引き起こす恐れがあります。
- 本製品が適切に機能しているか、フィルターカートリッジが適時に交換されているか、配管や固定具はすべてしっかり締められていて漏れないかなど、定期的に点検してください。

性能データシートについては、3M.com/waterqualityにアクセスいただくか、3M（電話：1-866-990-9785）までお問い合わせください。

製品マニュアルやスペックシートを含むその他の製品情報については、3M（電話：1-866-990-9785）にお問い合わせください。

カートリッジ交換の詳細については、3M.com/waterqualityをご覧ください。

重要な注記：

- 取扱説明事項に従わなかった場合、保証が無効になります。
- フィルター交換が簡単にできるよう、フィルター下方に少なくとも3" (7.62 cm) の空間を設けてください。

安全情報

在使用本餐饮服务系统和替换滤筒之前，请阅读并遵循所有产品说明和安全信息。请保留这些说明以备将来参考。

预期用途和产品选择：

3M™ 高流量系列水过滤系统为您的餐饮服务设备、器具或水龙头过滤饮用水，也称为使用点系统。该系统被设计成使用管道接入饮用水器具或餐饮服务设备，或安装在水槽下，与饮用水龙头冷水供水管路相连。本产品应连接到公共或专用饮用水供应系统。

3M™ 高流量系列水过滤系统已通过 NSF/ANSI 标准 42 和 53 的测试和认证，可减少系统性能数据表中列出的物质。该系统不会减少水中可能存在的所有物质。通过在安装前检查进水水质并与性能数据表中所列的系统能力进行比较，验证该系统是否符合您的水处理需求。

3M™ 高流量系列水过滤系统的安装和维护必须符合安装说明的规定，并符合适用的当地管道施工规范和条例。系统必须由合格的专业人员安装。

信号词后果解释

⚠ 警告：	表示如果不加以避免可能导致重伤或死亡的危险情况。
注意：	表示如果不加以避免可能导致财产损失的情况。

警告：

请阅读整本手册。未能遵守所有产品说明和警告可能会导致因接触污染物而造成人身伤害和/或因漏水或溢流而造成财产损失。

- 切勿在系统上游或下游使用微生物不安全或品质未知且未进行充分消毒的水。经认证可减少囊胞的系统可在包含可过滤囊胞的经过消毒的水中使用。
- 该系统不会清除引用水中可能存在的所有物质。**
该系统可减少性能数据表中列出的物质。
- 通过检查进水水质并与性能数据表中描述的系统能力进行比较，验证该系统是否符合您的水处理需求。通过联系当地水务管理局和/或由有资质的实验室对水进行测试来检查水源质量。定期检查水质，因为它可能发生变化。安装完毕后，定期测试出水过滤水质，确保系统安装正确，并符合您的处理需求，特别是如果您的过滤器的进水或管道系统可能存在较高的污染物水平。实际性能可能因您当地的水和管道系统条件以及用水模式而异。
- 切勿在产品遭受撞击、坠落或损坏后使用产品。
- 使用前，根据性能数据表用水冲洗任一新滤筒。此外，只要系统未使用的时间超过 72 小时，就要冲洗滤筒。
- 更换滤筒的间隔不能超过 6 个月或 12 个月。**如果在使用不到 6 个月或 12 个月时达到额定加仑容量或流速明显降低、气味或味道发生变化，请立即更换过滤器。未能按照这些说明更换滤筒可能导致过滤器无法按照设计减少污染物和/或因漏水或溢流而造成财产损失。

为降低窒息的危险：

- 切勿让 3 岁以下儿童接触小零件。

注意：

请阅读整本手册。未能遵守所有产品说明可能会因漏水或溢流而导致财产损失。如对以下任何说明有不确定之处，请联系持牌管道工：

- 系统安装和使用必须符合所有州和地方法规以及管道施工规范。
- 供水压力：如供水压力高于 80 psi，须在安装系统之前安装减压阀。
- 水锤：如果可能发生水锤现象，须安装水锤防护装置。
- 防止回流：如果在供水系统上安装了防回流装置，则须安装一个用于控制因热膨胀而产生的压力的装置。
- 增压泵：如果供水系统上安装了增压泵，则须 (a) 按照增压泵制造商的说明定期维护和检查所连接的压力开关；和 (b) 安装相应的减压阀，并定期维护和检查该阀门。
- 安装系统时，挑选一个满足以下条件的地方：(a) 过滤器不会被其他物品撞击；(b) 设备、电线或管道不会进入钻孔或工具的路径；(c) 充满水时，紧固件将支撑系统的重量。
- 仅安装在冷水供应管路上。切勿安装在室温或水温可能超过 100°F (37.8°C) 的地方。切勿安装在阳光直射或户外区域。
- 防止冰冻。如果温度可能降至 40°F (4.4°C) 以下，请拆下滤筒。
- 切勿安装刚性管（例如铜、铝、不锈钢、镀铬或阳极管）。
- 使用具有适当接头的兼容软管（例如 PEX 管、PE 管、PP 管）。安装过程中避免扭转。
- 如果夹头或任何其他组件缺失，切勿安装或使用。请联系 1-866-990-9785 或您当地的经销商。
- 切勿在产品遭受撞击、坠落或损坏后使用产品。
- 更换滤筒的间隔不能超过 6 个月或 12 个月，或更早。**未能按规定时间更换滤筒可能导致因漏水或溢流而造成财产损失。
- 定期检查以确保系统正常运行、滤筒得到及时更换并且所有管道和配件连接牢固、没有泄漏。

如果需要质量数据表，请访问 3M.com/waterquality 或致电 1-866-990-9785 联系 3M。

如需其他产品信息，包括产品手册和规格表，请致电 1-866-990-9785 联系 3M。

有关滤筒更换的其他信息，请访问 3M.com/waterquality。

重要说明：

- 未能遵守说明将使保修失效。
- 在过滤器下方留出至少 3" (7.62 cm) 的净空，以便于更换过滤器。

The High Flow series dual port (DP) manifold water filtration system cartridges help provide consistent high-quality water for multiple applications (as seen in the figures below).

- The water inlet is on the left-side rear.
- The water outlet for ice and hot beverage, with scale inhibition, is on the right-side front.
- The water outlet for cold beverage is on the left-side front.
- The fitting sizes are 3/4" NPT (Male). Built in non-return valves (such as check valves) are incorporated into the outlets.
- The system capacity equals the total combined flow rate and capacity ratings for all filter cartridges, regardless of the percentage of total outlet flow directed to a specific application.

Les cartouches du système de filtration d'eau avec collecteur High Flow series à double port (DP) contribuent à la fourniture d'une eau de qualité élevée constante pour de nombreuses applications (comme illustré sur les figures ci-dessous).

- L'entrée d'eau se trouve à l'arrière, côté gauche.
- La sortie d'eau pour la glace et les boissons chaudes, avec inhibition de tartre, se trouve à l'avant, côté droit.
- La sortie d'eau pour boissons chaudes se trouve à l'avant, côté gauche.
- La taille des raccords est 3/4" NPT (mâle). Des clapets anti-retour intégrés (tels que des soupapes de retenue) sont incorporés dans les sorties.
- La capacité du système est égale aux valeurs nominales totales combinées de capacité et de débit pour toutes les cartouches filtrantes, indépendamment du pourcentage de flux de sortie total dirigé vers une application spécifique.

Die Kartuschen des High Flow Series Dual Port (DP) Manifold Water Filtration Systems ermöglichen eine konstante Versorgung mit hochwertigem Wasser für zahlreiche Anwendungen (wie in der Abbildung unten zu sehen).

- Der Wassereinlass befindet sich hinten auf der linken Seite.
- Der Wasserauslass für Eis und Heißgetränke, mit Ablagerungsunterdrückung, befindet sich vorn auf der rechten Seite.
- Der Wasserauslass für Kaltgetränke befindet sich vorn auf der linken Seite.
- Die Stutzen haben eine Größe von 3/4" NPT (Außengewinde). Integrierte Rücklaufventile (z. B. Rückschlagventile) sind in den Auslässen eingebaut.
- Die Systemkapazität entspricht der kombinierten Gesamtdurchflussrate und den Kapazitätsraten für alle Filterkartuschen, unabhängig vom Anteil des Gesamtausflusses zu einer bestimmten Anwendung.

Le cartucce del sistema di filtrazione dell'acqua a doppia porta (DP) della serie High Flow servono a fornire acqua di alta qualità costante per molteplici applicazioni (come si vede nelle figure seguenti).

- L'ingresso dell'acqua è sul lato posteriore sinistro.
- L'uscita dell'acqua per il ghiaccio e le bevande calde, con anticalcare, è sulla parte anteriore destra.
- Il punto di uscita dell'acqua per le bevande fredde si trova sulla parte anteriore sinistra.
- Le dimensioni dei raccordi sono 3/4" NPT (maschio). Le valvole di non ritorno incorporate (come le valvole di controllo) sono incorporate nelle uscite.
- La capacità del sistema è uguale al totale della portata combinata e alla capacità nominale di tutte le cartucce filtranti, indipendentemente dalla percentuale del flusso totale in uscita diretto a un'applicazione specifica.

Los cartuchos con sistema de filtración de agua con colector de dos puertos High Flow Series contribuyen a suministrar agua con una calidad constantemente elevada para varias aplicaciones (como se observa en las siguientes figuras).

- La toma de entrada de agua se encuentra en la parte posterior izquierda.
- La toma de salida de agua para hielo y bebidas calientes, con inhibición de las incrustaciones, se encuentra en la parte frontal derecha.
- La toma de salida de agua para bebidas frías se encuentra en la parte frontal izquierda.
- Los empalmes (machos) tienen un tamaño de 3/4" NPT. Las tomas de salida incorporan válvulas de frenado integradas (como es el caso de las de retención).
- La capacidad del sistema equivale a los valores totales combinados de caudal y capacidad de todos los cartuchos del filtro, independientemente del porcentaje sobre el total del flujo de la toma de salida que se dirige hacia una aplicación concreta.

De cartridges van de High Flow-serie dual port (DP) voor verdeelwaterfiltratiesystemen helpen om consistent water van hoge kwaliteit te leveren voor meerdere toepassingen (zoals te zien is in de onderstaande figuren).

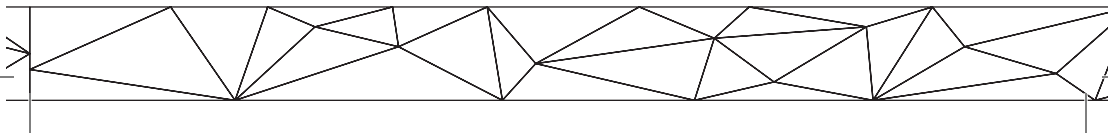
- De waterinlaat bevindt zich aan de linkerachterkant.
- De wateruitlaat voor ijs en warme dranken, met kalkafzettingvermindering, bevindt zich aan de rechtervoorkant.
- De wateruitlaat voor koude dranken bevindt zich aan de linkervoorkant.
- De fittingmaten zijn 3/4" NPT (mannelijk). Ingebouwde terugslagkleppen (bijvoorbeeld regelkleppen) zijn in de uitlaten geplaatst.
- De systeemcapaciteit is gelijk aan het totale gecombineerde debiet en het vermogen van alle filtercartridges, onafhankelijk van het percentage van het totale afvoerdebiet dat naar een specifieke toepassing wordt gestuurd.

ハイフローシリーズデュアルポート (DP) マニホールド浄水器カートリッジは、複数の用途で安定した高品質の水の提供をサポートします (下図参照)。

- 水の入口接続部は左背面にあります。
- スケール抑制機能付きの製氷機または熱い飲料用の水の出口接続部は右正面にあります。
- 冷たい飲料用の水の出口接続部は左正面にあります。
- 継手サイズは1.9 cm (3/4インチ) NPT (オス) です。出口には逆止弁 (チェックバルブなど) が内蔵されています。
- システム容量は、特定の用途に向けられた合計流出容量に関わらず、すべてのフィルターカートリッジの定格流量と容量の合計に等しくなっています。

高流量系列双端口 (DP) 歧管水过滤系统滤筒有助于为多种应用提供始终如一的高品质水 (如下图所示)。

- 进水口位于左后方。
- 冰饮和热饮的出水口 (带阻垢功能) 位于右前方。
- 冷饮的出水口位于左前方。
- 接头尺寸为 3/4" NPT (外螺纹)。出口处有内置的单向阀 (如止回阀)。
- 无论流向特定应用的总出口流量的百分比如何, 系统容量等于所有滤筒的流量和额定容量的总和。

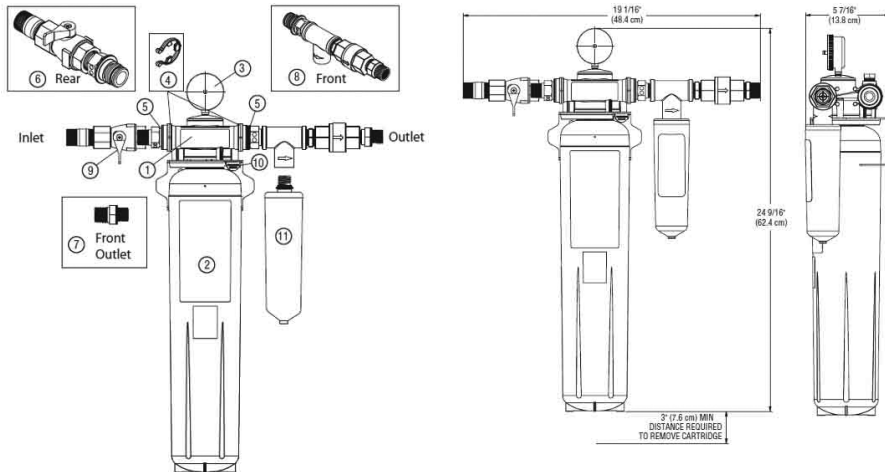


High Flow Series Parts Identification List

Nomenclature Des Pièces High Flow Series / High Flow Series – Teileliste / Elenco di Identificazione Delle Parti High Flow Series / Lista de Identificación de Piezas de la Serie de Alto Flujo / Onderdelenlijst Van de High Flow-Reeks / ハイフローシリーズ部品確認リスト / 高流量系列部件标识列表

DP1XX Manifold Replacement Parts Listing

Item	3M ID	Part no.	Description
1	70-0202-2813-9	6228603	DP1XX Single Manifold
2	See catalog		Replacement Cartridges
3	70-0203-3011-7	50-93701	Pressure Gauge
4	70-0203-3047-1	50-93737	Clip
5	70-0203-3022-4	50-93712	O-Ring
6	70-0202-2973-1	6225005	Inlet fitting kit – left rear
7	70-0202-2974-9	6225006	Outlet fitting kit – left front (Cold Beverage)
8	70-0202-2975-6	6225007	Outlet fitting kit – right front (Ice/Coffee)
9	N/A	N/A	3/4" x 3/4" ball valve
10	Inquire		Retainer Kit
11	70-0203-1902-9	5582113	HF8-S Replacement Cartridge

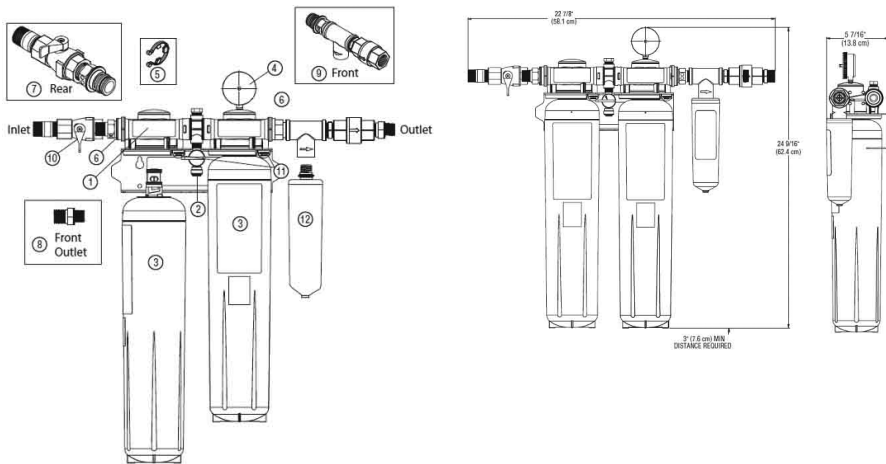


High Flow Series Parts Identification List

Nomenclature Des Pièces High Flow Series / High Flow Series – Teileliste / Elenco di Identificazione Delle Parti High Flow Series / Lista de Identificación de Piezas de la Serie de Alto Flujo / Onderdelenlijst Van de High Flow-Reeks / ハイフローシリーズ部品確認リスト / 高流量系列部件标识列表

DP2XX Manifold Replacement Parts Listing

Item	3M ID	Part no.	Description
1	70-0202-2943-4	6228503	DP2XX Twin Manifold
2	70-0203-5423-2	60-2333700	Vent Valve
3	See catalog		Replacement Cartridges
4	70-0203-3011-7	50-93701	Pressure Gauge
5	70-0203-3047-1	50-93737	Clip
6	70-0203-3022-4	50-93712	O-Ring
7	70-0202-2973-1	6225005	Inlet fitting kit – left rear
8	70-0202-2974-9	6225006	Outlet fitting kit – left front (Cold Beverage)
9	70-0202-2975-6	6225007	Outlet fitting kit – right front (Ice/Coffee)
10	N/A	N/A	3/4" x 3/4" ball valve
11	Inquire	5617501	Retainer Kit
12	70-0203-1902-9	5582113	HF8-S Replacement Cartridge

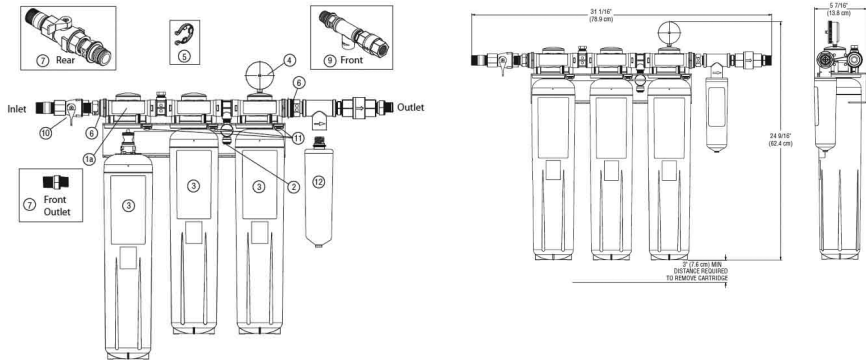


High Flow Series Parts Identification List

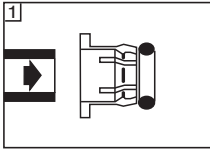
Nomenclature Des Pièces High Flow Series / High Flow Series – Teileliste / Elenco di Identificazione Delle Parti High Flow Series / Lista de Identificación de Piezas de la Serie de Alto Flujo / Onderdelenlijst Van de High Flow-Reeks / ハイフローシリーズ部品確認リスト / 高流量系列部件标识列表

DP3XX Manifold Replacement Parts Listing

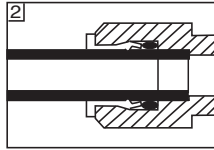
Item	3M ID	Part no.	Description
1	70-0202-2942-6	6228403	DP3XX Triple Manifold
2	70-0203-5423-2	60-2333700	Vent Valve
3	See catalog		Replacement Cartridges
4	70-0203-3011-7	50-93701	Pressure Gauge
5	70-0203-3047-1	50-93737	Clip
6	70-0203-3022-4	50-93712	O-Ring
7	70-0202-2973-1	6225005	Inlet fitting kit – left rear
8	70-0202-2974-9	6225006	Outlet fitting kit – left front (Cold Beverage)
9	70-0202-2975-6	6225007	Outlet fitting kit – right front (Ice/Coffee)
10	N/A	N/A	3/4" x 3/4" ball valve
11	Inquire	5617501	Retainer Kit
12	70-0203-1902-9	5582113	HF8-S Replacement Cartridge



To Attach Tubing

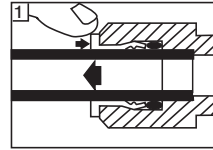


Push tubing straight in as far as it will go.

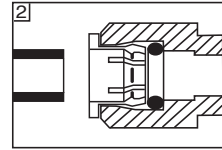


Tubing is secured in.

To Release Tubing



Push in collet to release tubing.



Pull tubing straight out.

How to Use “Push-in” Connectors:

- Proper use of the connectors is shown in the figure above.
- Tubing must be of high quality, exact size and roundness, and with no surface nicks or scratches.
- If tubing must be cut, use a plastic tubing cutter or sharp razor knife. Make a clean square cut.
- Should a leak occur at a “Push-In” connector, the cause is usually a problem with tubing.

Comment utiliser des raccords « Push-in » :

- L'utilisation correcte des raccords est illustrée sur la figure ci-dessus.
- Les tuyaux doivent être de bonne qualité, à la taille exacte et parfaitement ronds, sans entaille ni rayure en surface.
- Si des tuyaux doivent être coupés, utiliser un coupe-tube ou un couteau tranchant. Réaliser une découpe perpendiculaire propre.
- Si une fuite apparaît sur un raccord « Push-In », la cause est généralement un problème de tuyaux.

Verwenden der Steckverbindungen:

- Die ordnungsgemäße Verwendung der Steckverbindungen wird in der obigen Abbildung gezeigt.
- Leitungen müssen von hoher Qualität, exakter Größe und Rundheit sein und ihre Oberfläche muss frei von Kerben oder Kratzern sein.
- Müssen Leitungen gekürzt werden, ist ein Schneider für Kunststoffleitungen oder ein scharfes Teppichmesser zu verwenden. Führen Sie einen sauberen geraden Schnitt aus.
- Tritt an einer Steckverbindung eine Undichtigkeit auf, ist dies gewöhnlich auf ein Problem mit der Leitung zurückzuführen.

Come utilizzare i connettori “a pressione”:

- L'uso corretto dei connettori è mostrato nella figura sovrastante.
- I tubi devono essere di alta qualità, con dimensioni e forma esatta, e senza scalfitture o graffi superficiali.
- Se i tubi devono essere tagliati, utilizzare un taglierino per tubi di plastica o una lama da rasoio affilata. Eseguire un taglio netto e quadrato.
- In caso di perdita in un connettore “a pressione”, generalmente il problema è dovuto alla tubazione.

Cómo utilizar los conectores “a presión”:

- En las figuras anteriores se ilustra el uso adecuado de los conectores.
- El tubo deben tener una gran calidad, el tamaño y la redondez exactos, y su superficie debe estar desprovista de muescas o arañazos.
- En caso de tener que cortar el tubo, utilice un cortatubos para tubos de plástico o una cuchilla afilada. Efectúe un corte recto y limpio.
- Cuando se produce alguna fuga en un conector “a presión”, la causa suele ser un problema con el tubo.

To Fix:

1. Relieve pressure
2. Release tubing
3. Cut off at least 1/4" from end
4. Reattach tubing
5. Confirm connection is leak free

Pour y remédier :

1. Évacuer la pression
2. Détacher les tuyaux
3. Couper à au moins 1/4" de l'extrémité
4. Connecter à nouveau les tubes
5. Confirmer que le raccord ne fuit pas

Behebung:

1. Entlasten Sie den Druck.
2. Lösen Sie die Leitung.
3. Schneiden Sie am Ende mindestens 1/4" ab.
4. Schließen Sie die Leitung wieder an.
5. Überprüfen Sie die Verbindung auf Dichtigkeit.

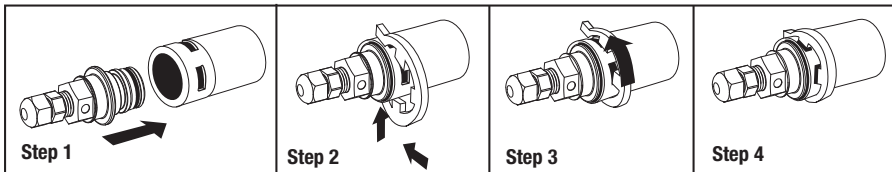
Correzione:

1. Alleviare la pressione
2. Rilasciare il tubo
3. Tagliare almeno 1/4" dell'estremità
4. Riattaccare il tubo
5. Verificare che il collegamento sia privo di perdite

Solución:

1. Alivie la presión.
2. Extraiga el tubo.
3. Corte al menos 6,35 mm desde el extremo.
4. Vuelva a acoplar el tubo.
5. Compruebe que la conexión no presenta fugas.

<p>Gebruik van 'push-in'-aansluitingen:</p> <ul style="list-style-type: none"> • Het juiste gebruik van de aansluitingen wordt in bovenstaande afbeelding getoond. • Slangen moeten van hoge kwaliteit zijn, de juiste maat en ronding hebben en mogen aan de buitenkant geen inkepingen of krassen vertonen. • Indien slangen ingekort moeten worden, gebruik dan een slangsnijder van kunststof of een scherp scheermes. Maak een zuivere, rechthoekige snede. • Een lekkage bij een 'push-in'-aansluiting wordt doorgaans veroorzaakt door een probleem met een slang. 	<p>Om dit te verhelpen:</p> <ol style="list-style-type: none"> 1. Druk aflaten 2. Slang losmaken 3. Ten minste 1/4" van het uiteinde afsnijden 4. Slang weer bevestigen 5. Controleren of de aansluiting geen lekkages vertoont
<p>「プッシュイン式」コネクターの使用方法:</p> <ul style="list-style-type: none"> • コネクターの正しい使い方は、上の図のようになります。 • チューブは高品質で、正確なサイズと真円度を持ち、表面に傷がない必要があります。 • チューブを切断する必要がある場合は、プラスチックチューブカッターまたは鋭利なカミソリ刃を使用してください。綺麗な四角い切り口にします。 • 「プッシュイン式」コネクターで漏れが発生した場合、その原因はチューブの問題であることがほとんどです。 	<p>修理方法:</p> <ol style="list-style-type: none"> 1. 圧力を抜きます 2. チューブを取り外します 3. 端から少なくとも6.5 mm (1/4インチ) を切り落とします 4. チューブを取り付けます 5. 接続部に漏れがないことを確認します
<p>如何使用“推入式”连接器:</p> <ul style="list-style-type: none"> • 连接器的正确使用如上图所示。 • 管道必须具有高质量、精确的尺寸和圆度，并且没有表面刻痕或划痕。 • 如果必须切割管道，请使用塑料切管器或锋利的剃刀。切割出一个平整的方形切口。 • 如果“推入式”连接器发生泄漏，原因通常是管道问题。 	<p>如要解决这个问题:</p> <ol style="list-style-type: none"> 1. 释放压力 2. 松开管道 3. 从末端切下至少 1/4" 4. 重新接上管道 5. 确认连接无泄漏



How to Use the Inlet/Outlet Fitting and Retention Clips

Inlet/outlet fittings can be attached or removed from the system without tools. Retention clips are flexible, semi-circular in shape with three internal tabs, bottom, center and top. Tab interfaces with windows in the manifold head near each connection port. Proper use of the connectors is shown in the figure above.

1. Insert fitting into manifold.
2. With fitting inserted into manifold port, snap clip into place beginning at the bottom window.
3. Push center tab into center window.
4. Finally push top tab into top window.

Comment utiliser les raccords d'entrée/sortie et les clips de maintien

Les raccords d'entrée/sortie peuvent être connectés ou détachés du circuit sans outil. Les clips de maintien sont flexibles et semi-circulaires avec trois pattes internes en bas, au centre et en haut. Les pattes coïncident avec des fenêtres côté collecteur près de chaque orifice de raccordement. L'utilisation correcte des raccords est illustrée sur la figure ci-dessus.

1. Insérer le raccord dans le collecteur.
2. Le raccord étant inséré dans l'orifice du collecteur, mettre en place le clip en commençant au niveau de la fenêtre inférieure.
3. Pousser la patte centrale dans la fenêtre centrale.
4. Pousser ensuite la patte supérieure dans la fenêtre supérieure.

Verwenden der Einlass-/Auslassstutzen und der Sicherungsclips

Die Einlass-/Auslassstutzen lassen sich ohne Werkzeug am System anbringen bzw. vom System entfernen. Die Sicherungsclips sind flexibel, halbkreisförmig und haben drei integrierte Haken (unten, in der Mitte und oben). An den Schnittstellen der Haken befinden sich in der Nähe jeder Verbindungsstelle Fenster im Manifold-Kopf. Die ordnungsgemäße Verwendung der Steckverbindungen wird in der obigen Abbildung gezeigt.

1. Setzen Sie den Stutzen in das Manifold ein.
2. Wenn der Stutzen im Manifold-Anschluss eingesetzt ist, lassen Sie den Clip einrasten. Beginnen Sie am unteren Fenster.
3. Drücken Sie den Haken in der Mitte in das mittlere Fenster.
4. Drücken Sie zuletzt den oberen Haken in das Fenster oben.

Come utilizzare il raccordo di entrata/uscita e le clip di ritenzione

I raccordi di ingresso/uscita possono essere applicati o rimossi dal sistema senza attrezzi. Le clip di ritenzione sono flessibili, di forma semicircolare con tre linguette interne: inferiore, centrale e superiore. Le linguette si interfacciano con delle aperture nella testa del collettore vicino a ogni porta di connessione. L'uso corretto dei connettori è mostrato nella figura sovrastante.

1. Inserire il raccordo nel collettore.
2. Con il raccordo inserito nella porta del collettore, far scattare la clip in posizione a partire dall'apertura inferiore.
3. Spingere la linguetta centrale nell'apertura corrispondente.
4. Infine, spingere la linguetta superiore nell'apertura corrispondente.

Cómo utilizar los empalmes de las tomas de entrada/salida y las abrazaderas

Los empalmes de las tomas de entrada/salida se pueden acoplar o desacoplar del sistema sin herramientas. Las abrazaderas son flexibles, presentan una forma semicircular y tres lengüetas internas: una en la parte inferior, otra en el centro y otra en la parte superior. Las lengüetas encajan en las ranuras del cabezal del colector cerca de cada toma de conexión. En las figuras anteriores se ilustra el uso adecuado de los conectores.

1. Inserte el empalme en el colector.
2. Con el empalme insertado en la toma del colector, enganche la abrazadera en su sitio empezando por la ranura inferior.
3. Introduzca a presión la lengüeta central en la ranura correspondiente.
4. Por último, introduzca a presión la lengüeta superior en la ranura correspondiente.

Gebruik van de inlaat-/uitlaatfitting en de borgklemmen

Inlaat-/uitlaatfittingen kunnen zonder gereedschap worden aangebracht en verwijderd. Borgklemmen zijn flexibel en halfrond en voorzien van drie interne lipjes beneden, in het midden en boven. De lipjes vallen in de uitsparingen in de kop van de verdeler naast elke aansluitingspoort. Het juiste gebruik van de aansluitingen wordt in bovenstaande afbeelding getoond.

1. Steek de fitting in de verdeler.
2. Als de fitting zich in de poort van de verdeler bevindt, klikt u de klem vast, waarbij u begint met de klem bij de onderste uitsparing.
3. Druk het middelste lipje in de middelste uitsparing.
4. Druk ten slotte het bovenste lipje in de bovenste uitsparing.

入口/出口の継手と保持クリップの使用法

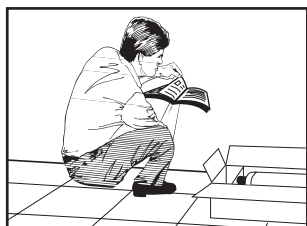
入口/出口の継手は、工具なしでシステムに着脱可能です。保持クリップは柔軟性のある半円形で、内部には底面、中央、上面の3つのタブがあります。タブは、マニホールドヘッドの各接続ポート付近に設けられた窓と連動しています。コネクタの正しい使い方は、上の図のようになります。

1. 継手をマニホールドに挿入します。
2. 継手がマニホールドポートに挿入された状態で、底面の窓からクリップをはめ込みます。
3. 中央タブを中央の窓に押し込みます。
4. 上面タブを上面の窓に押し込みます。

如何使用进口/出口接头和固定夹

无需工具即可安装或从系统上拆卸进口/出口接头。固定夹采用柔性材质，呈半圆形，有三个内部翼片，分别在底部、中间和顶部。翼片与每个连接端口附近的歧管头中的窗口连接。连接器的正确使用方法如上图所示。

1. 将接头插入歧管中。
2. 将接头插入歧管端口，从底部窗口开始，将夹子卡入到位。
3. 将中间的翼片推入中间的窗口。
4. 最后将顶部翼片推入顶部窗口。



Step 1

Remove system from the package and check parts list (page 18-20).

NOTE: Be sure inlet water supply is turned off before installing.

Étape 1

Sortez le système de son emballage et procédez au contrôle des différentes pièces en vous référant à la nomenclature (page 18-20).

REMARQUE : Assurez-vous que l'alimentation en eau est fermée avant de commencer l'installation.

Schritt 1

Nehmen Sie das System aus der Verpackung und überprüfen Sie den Inhalt anhand der Teileliste (Seite 18-20).

HINWEIS: Achten Sie vor Installationsbeginn darauf, dass die Wasserversorgung abgesperrt ist.

Passo 1

Rimuovere il sistema dalla confezione e controllare l'elenco delle parti (pagine 18-20).

NOTA: assicurarsi che la mandata di acqua in entrata sia chiusa prima dell'installazione.

Paso 1

Retire el sistema del paquete y revise la lista de piezas (páginas 18-20).

NOTA: Asegúrese de que el suministro de agua de entrada esté cortado antes de la instalación.

Step 1

Haal het systeem uit de verpakking en controleer de onderdelenlijst (pagina's 18-20).

OPMERKING: controleer voordat u met de installatie begint of de watertoevoer is afgesloten.

ステップ 1

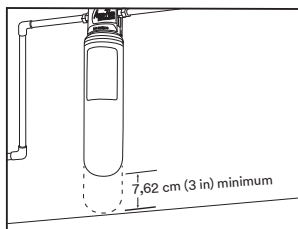
パッケージからシステムを取り出し、部品リストを確認します (18~20ページ)。

注意: 設置の前に、注水口の水が止まっていることを確認してください。

步骤 1

去除系统包装，检查部件清单 (第 18 页和 20 页)。

注意: 请确保在安装前关闭进水管。



Step 2

Select the installation location.

IMPORTANT: Allow a minimum of 3" (7.62 cm) of space below cartridge for change-outs.

Étape 2

Choisissez l'emplacement d'installation.

IMPORTANT : Prévoyez un dégagement d'au moins 7,62 cm (3 po) en dessous du système de filtre afin de permettre les changements de cartouche ultérieurs.

Schritt 2

Wählen Sie einen Montageort aus.

WICHTIG: Lassen Sie für den Austausch mindestens 7,62 cm (3") Freiraum unterhalb der Patrone.

Passo 2

Selezionare la posizione di installazione.

IMPORTANTE: lasciare uno spazio di almeno 7,62 cm (3") al di sotto della cartuccia per facilitare la sostituzione.

Paso 2

Seleccione el lugar de instalación. **IMPORTANTE:** Deje un espacio de al menos 7,62 cm (3 in) debajo del cartucho para su recambio.

Step 2

Selecteer de locatie voor de installatie.

BELANGRIJK: zorg dat er minimaal 7,62 cm (3") ruimte onder de cartridge overblijft met het oog op vervanging.

ステップ 2

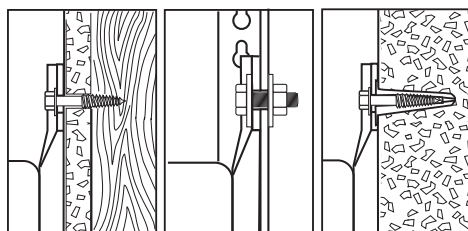
設置する場所を決めてください。

重要: 交換のため、カートリッジの下に7.62 cm (3インチ) 以上の隙間が必要です。

步骤 2

选择安装位置。

重要信息: 请在滤筒下至少留出 3" (7.62 厘米) 的空间，以便更换。



Step 3

Select fasteners (not included) and tools appropriate for the installation location (wood beam, concrete, etc.)

IMPORTANT: The location and fasteners must support the weight of the system when full of water.

Étape 3

Sélectionnez la boulonnerie (non incluse) et les outils appropriés au site d'installation (poutres en bois, béton, etc.).

IMPORTANT : le site et la boulonnerie doivent pouvoir supporter le poids du système une fois que ce dernier sera rempli d'eau.

Schritt 3

Wählen Sie die für den Montageort geeigneten Befestigungselemente (nicht enthalten) und Werkzeuge (Holzbalken, Beton usw.) aus.

WICHTIG: Vergewissern Sie sich, dass der Montageort und die Befestigungselemente das Gewicht des Systems tragen können, wenn dies installiert und voller Wasser ist.

Passo 3

Selezionare i serraggi (non inclusi) e gli strumenti appropriati per la posizione dell'installazione (trave di legno, cemento, ecc.).

IMPORTANTE: La posizione e i serraggi devono supportare il peso del sistema quando è pieno di acqua.

Paso 3

Seleccione los sujetadores (no incluidos) y las herramientas adecuados para el lugar de instalación (viga de madera, hormigón, etc.)

IMPORTANTE: La ubicación y los sujetadores deben resistir el peso del sistema cuando esté lleno de agua.

Step 3

Kies de voor de locatie van installatie (houten balk, beton enz.) geschikte bevestigingsbouten (niet bij de levering inbegrepen) en gereedschap.

BELANGRIJK: de locatie en de bevestigingsbouten moeten het gewicht van het systeem gevuld met water kunnen dragen.

ステップ 3

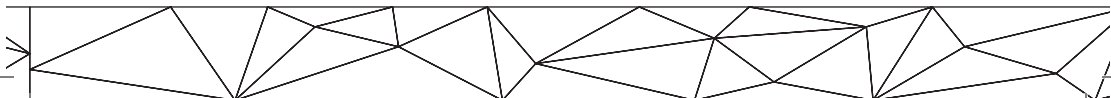
設置場所（木製の梁、コンクリートなど）に適した取り付け用ネジ（別売り）や工具を用意してください。

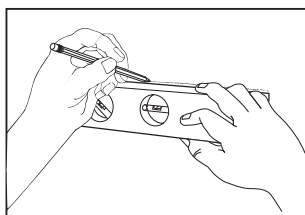
重要：設置場所と取り付け用ネジは、満水時のシステムの重量を支える強度が必要です。

步骤 3

选择适合该安装位置（木梁，混凝土等）的紧固件（不包括在内）和工具。

重要信息：安装位置和紧固件必须支撑充满水后的系统重量。





Step 4

Draw a line using a level on the mounting surface.

Étape 4

A l'aide d'un niveau, tracez une ligne sur la surface de montage.

Schritt 4

Ziehen Sie mithilfe einer Wasserwaage eine Linie auf der Montageoberfläche.

Passo 4

Tracciare una linea utilizzando una livella sulla superficie di montaggio.

Paso 4

Dibuje una línea usando un nivel sobre la línea de montaje.

Stap 4

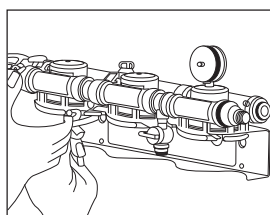
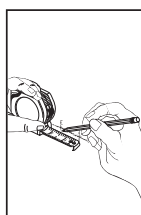
Zet met behulp van een waterpas een lijn op het montageoppervlak.

ステップ 4

水平器を使用して、取り付け面に線を引いてください。

步驟 4

使用水平儀，在安裝表面上畫線。



Step 5

Mark the locations for the fasteners either by measuring the distance between the bracket holes or by using the bracket itself.

Étape 5

Marquez les emplacements des organes de serrage soit en mesurant la distance entre les orifices du support, soit en vous servant du support lui-même.

Schritt 5

Markieren Sie die Stellen für die Befestigungselemente, indem Sie den Abstand zwischen den Montagelöchern der Halterung messen oder die Halterungen selbst anhalten.

Passo 5

Contrassegnare le posizioni per i serraggi misurando la distanza tra i fori delle staffe o utilizzando la staffa stessa.

Paso 5

Marque la ubicación de los sujetadores, ya sea midiendo la distancia entre los orificios del soporte o utilizando el soporte en sí.

Stap 5

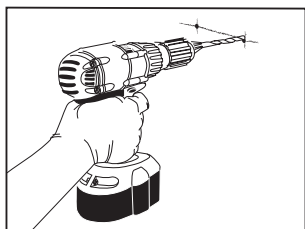
Markeer de plaatsen voor de bevestigingsbouten door de afstand tussen de openingen van de houder of door de houder zelf te gebruiken.

ステップ 5

ブラケットの穴の間隔を測るか、ブラケットに合わせて、取り付け用ネジの取り付け位置に印を付けます。

步驟 5

通過測量支架孔之間的距離或使用支架本身來標記緊固件的位置。



Step 6

Drill holes for the fasteners.

Étape 6

Percez les trous pour les organes de serrage.

Schritt 6

Bohren Sie die Löcher für die Befestigungselemente.

Passo 6

Trapanare i fori per i serraggi.

Paso 6

Perfore orificios para los sujetadores.

Step 6

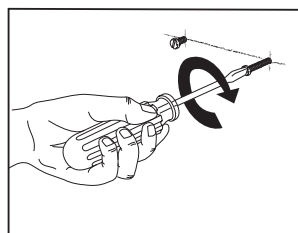
Boor gaten voor de bevestigingsbouten.

ステップ 6

取り付け用ネジの穴を開けてください。

步骤 6

钻孔，以安装紧固件。



Step 7

Allow 1/4"-3/8" (6-10 mm) of each fastener to protrude from the surface.

Étape 7

Laissez chaque organe de serrage dépasser de 6 à 10 mm (de 1/4 à 3/8 po) de la surface de montage.

Schritt 7

Lassen Sie 6–10 mm (1/4"-3/8") jedes Befestigungselements aus der Oberfläche ragen.

Passo 7

Lasciare sporgere dalla superficie 6-10 mm di ciascun serraggio.

Paso 7

Deje que cada sujetador sobresalga unos 6-10 mm (1/4 in -3/8 in) sobre la superficie.

Step 7

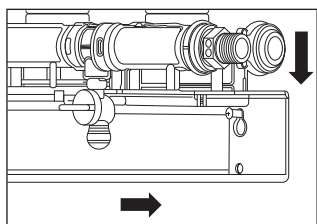
Laat van elke bevestigingsbout 6-10 mm (1/4"-3/8") uit het oppervlak steken. (1/4 in -3/8 in) sobre la superficie.

ステップ 7

各取り付け用ネジが設置面から6~10 mm (1/4~3/8インチ) 突き出るようにしてください。

步骤 7

为每个紧固件留出 1/4"-3/8" (6-10 毫米) 的高出表面的距离。



Step 8

Install the head and bracket onto the fasteners.

Étape 8

Installez la tête du filtre et le support sur les organes de serrage.

Schritt 8

Bringen Sie den Kopf und die Halterung an den Befestigungselementen an.

Passo 8

Installare la testa e la staffa sui serraggi.

Paso 8

Instale el cabezal y el soporte sobre los sujetadores.

Step 8

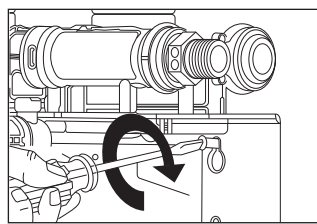
Installeer de kop en de houder op de bevestigingsbouten.

ステップ 8

取り付け用ネジにヘッドとブラケットを取り付けてください。

步驟 8

在紧固件上安裝头和支架。



Step 9

Tighten fasteners.

Étape 9

Vissez à fond les organes de serrage.

Schritt 9

Ziehen Sie die Befestigungselemente an.

Passo 9

Stringere i serraggi.

Paso 9

Apriete los sujetadores.

Step 9

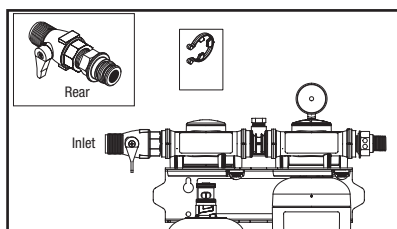
Draai de bevestigingsbouten aan.

ステップ 9

取り付け用ネジを締めてください。

步驟 9

拧紧紧固件。



Step 10

Install inlet (left rear) fittings to the manifold. The inlet kit includes the fitting, a ball valve and a 3/4" nipple. Install the cold beverage outlet (left front) to the manifold. The outlet is a fitting only. Install the ice/coffee outlet (right front) to the manifold. The outlet includes a tee fitting for the HF8-S cartridge. The instructions for the retention clips are on page 22.

Étape 10

Installer les raccords d'entrée (arrière gauche) sur le collecteur. Le kit d'entrée inclut le raccord, un clapet à bille et un nipple de 3/4". Installer la sortie pour boissons fraîches (avant gauche) sur le collecteur. La sortie est un raccord uniquement. Installer la sortie pour glace/café (avant droite) sur le collecteur. La sortie comporte un raccord en té pour la cartouche HF8-S. Les instructions pour les clips de maintien sont présentées page 22.

Schritt 10

Befestigen Sie den Einlassstutzen (hinten links) am Manifold. Der Einlass-Satz besteht aus dem Stutzen, einem Kugelventil und einem 3/4"-Nippel. Befestigen Sie den Kaltgetränkerauslass (vorn links) am Manifold. Der Auslass besteht nur aus einem Stutzen. Befestigen Sie den Eis-/Kaffeeauslass (vorn rechts) am Manifold. Der Auslass umfasst einen T-Stutzen für die HF8-S-Kartusche. Die Anweisungen für die Sicherungsclips befinden sich auf Seite 23.

Paso 10

Installare i raccordi di ingresso (parte posteriore sinistra) sul collettore. Il kit d'ingresso comprende il raccordo, una valvola a sfera e un nipplo da 3/4". Installare l'uscita per le bevande fredde (parte anteriore sinistra) sul collettore. L'uscita è solo un raccordo. Installare l'uscita del ghiaccio/caffè (parte anteriore destra) sul collettore. L'uscita include un raccordo a T per la cartuccia HF8-S. Le istruzioni per le clip di ritenzione sono a pagina 23.

Paso 10

Instale el empalme de la toma de entrada (parte posterior izquierda) en el colector. El kit para la toma de entrada incluye el empalme, una válvula esférica y un macho roscado de 3/4". Instale la toma de salida para bebidas frías (parte frontal izquierda) en el colector. La toma de salida consta de solo un empalme. Instale la toma de salida para hielo/café (parte frontal derecha) en el colector. La toma de salida incluye un empalme en T para el cartucho HF8-S. Las instrucciones de las abrazaderas están en la página 23.

Step 10 (voor systemen die gebruikmaken van het NH3-kopstuk)

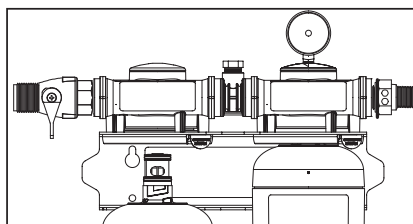
Monteer de fittingen van de inlaat (linksachter) aan de verdeler. De inlaatsset bestaat uit een fitting, een kogelkraan en een nippel van 3/4". Installeer de uitlaat voor koude dranken (linksvoor) op de verdeler. De uitlaat is alleen een fitting. Installeer de uitlaat voor ijs/koffie (rechtsvoor) op de verdeler. De uitlaat bevat een T-stuk voor de HF8-S-cartridge. De instructies met betrekking tot de borgklemmen vindt u op pagina 23.

ステップ 10

入口（左背面）の継手をマニホールドに取り付けます。入口用キットには、継手、ボールバルブ、1.9 cm（3/4インチ）ニップルが含まれています。冷たい飲料用の出口接続部（左正面）をマニホールドに取り付けます。出口は継手のみです。製氷機/コーヒー用の出口接続部（右正面）をマニホールドに取り付けます。出口接続部はHF8-Sカートリッジ用にT型の継手を備えています。保持クリップの使用方法は23ページに記載されています。

步骤 10

将进口（左后）接头安装到歧管上。进口套件包括接头、一个球阀和一个 3/4" 螺纹接头。将冷饮出口（左前）安装到歧管上。出口只有一个接头。将冰饮/咖啡出口（右前）安装到歧管上。出口包含一个适用于 HF8-S 滤筒的三通接头。有关固定夹的说明，请参见第 23 页。



Step 11

Remove sanitary cap from cartridge. Install cartridge with a quarter turn to the right until the cartridge comes to a complete stop (a “click” is heard). Install the smaller scale inhibitor cartridge by engaging the threads in the tee and turning right (clockwise) until snug, regardless of label orientation.

Étape 11

Enlevez la capsule sanitaire de la cartouche. Installez la cartouche en la faisant pivoter d’un quart de tour vers la droite jusqu’à ce qu’elle se bloque complètement (vous entendrez un clic). Installez la petite cartouche avec inhibition de tartre en faisant entrer le filetage dans le té et bien visser (dans le sens horaire), quelle que soit l’orientation de l’étiquette.

Schritt 11

Entfernen Sie den Hygienedeckel von der Patrone. Bauen Sie die Kartusche ein, indem Sie sie um eine Vierteldrehung, bis zum Anschlag nach rechts drehen (ist ein Klickgeräusch hörbar). Befestigen Sie die kleinere Ablagerungsunterdrückung, indem Sie das Gewinde am T-Stutzen ansetzen und unabhängig von der Etiketausrichtung nach rechts (im Uhrzeigersinn) drehen, bis er fest sitzt.

Passo 11

Rimuovere il tappo sanitario dalla cartuccia. Installare la cartuccia con un quarto di giro verso destra fino a quando compie un arresto completo (si sente un “clic”). Installare la cartuccia dell’antincrostante più piccola impegnando la filettatura nel raccordo a T e ruotando a destra (in senso orario) fino a quando è aderente, indipendentemente dall’orientamento dell’etichetta.

Paso 11

Quite la tapa sanitaria del cartucho. Instale el cartucho con un cuarto de giro a la derecha hasta que alcance un tope total (escuchará un “clic”). Instale el cartucho inhibidor de las incrustaciones de menor tamaño enroscándolo en el empalme en T y girándolo hacia la derecha (en el sentido de las agujas del reloj) hasta que quede prieto, independientemente de la orientación de la etiqueta.

Stap 11

Verwijder de hygiënekap van de cartridge. Installeer de cartridge met een kwartslag naar rechts totdat de cartridge niet verder kan (hoort u een ‘klik’). Installeer het kleinere kalkaanslagremmende patroon door de schroefdraden in het T-stuk te grijpen en rechtsom te draaien (rechtsom) tot het goed vastzit, ongeacht de richting van het etiket.

ステップ 11

カートリッジから衛生キャップを取り外します。カートリッジを取り付けます。カートリッジがそれ以上回転しなくなるまで、右に90度回転させます（「カチッ」と音がします）。ラベルの向きに関係なく、T型のネジ山をねじ込み、ぴったり合うまで右（時計回り）に回して、小型のスケール抑制カートリッジを取り付けます。

步骤 11

取下滤筒的卫生帽。安装滤筒时，向右旋转 90 度，直到滤筒完全停止（滤头时会听到“咔哒”。安装小尺寸的阻垢剂滤筒时，与三通接头的螺纹相啮合并向右（顺时针）旋转直至拧紧，不考虑标签方向。

Equipment Start-up Procedure

1. Turn on incoming water to system.
2. Pressurize system by slowly rotating the inlet water ball valve 1/4 turn to the left (counterclockwise) to the "ON" position.
3. Check for leaks.
4. Use vent valve to remove trapped air (DP2XX, DP3XX).
5. Flush new cartridge as noted on the Flush Table on page 38.

System is now ready for use.

Procédure de démarrage de l'équipement

1. Ouvrir l'arrivée d'eau du circuit.
2. Mettre le système en pression en faisant tourner lentement le clapet à bille d'entrée d'eau de 1/4 de tour vers la gauche (sens anti-horaire) vers la position ON.
3. Vérifier l'absence de fuite.
4. Utiliser la vanne d'évent pour chasser l'air piégé (DP2XX, DP3XX).
5. Rincer la nouvelle cartouche comme indiqué sur la table de rinçage, page 38.

Le système est maintenant prêt à être utilisé.

Verfahren zur Inbetriebnahme der Anlage

1. Schalten Sie das zuffießende Wasser an das System ein.
2. Beaufschlagen Sie das System mit Druck, indem Sie das Einlasskugelventil langsam um eine Vierteldrehung nach links (entgegen dem Uhrzeigersinn) in die Stellung „EIN“ drehen.
3. Überprüfen Sie auf Undichtigkeiten.
4. Entfernen Sie eingeschlossene Luft über das Entlüftungsventil (DP2XX, DP3XX).
5. Spülen Sie die neue Kartusche wie in der Spültabelle auf Seite 38 beschrieben.

Das System ist jetzt einsatzbereit.

Procedura di avvio dell'attrezzatura

1. Aprire l'acqua in entrata al sistema.
2. Pressurizzare il sistema ruotando lentamente la valvola a sfera dell'acqua in entrata di 1/4 di giro a sinistra (in senso antiorario) fino alla posizione "ON".
3. Controllare se ci sono perdite.
4. Usare la valvola di sfiato per rimuovere l'aria intrappolata (DP2XX, DP3XX).
5. Irrigare la nuova cartuccia come indicato nella Tabella di irrigazione a pagina 38.

Il sistema è ora pronto per l'uso.

Procedimiento de puesta en marcha del equipo

1. Abra el paso de agua hacia el sistema.
2. Presurice el sistema moviendo lentamente la válvula esférica de la toma de entrada de agua un cuarto de giro hacia la izquierda (en sentido contrario al de las agujas del reloj) a la posición "ON".
3. Revise que no haya fugas.
4. Utilice la válvula de ventilación para eliminar el aire que quede atrapado (DP2XX y DP3XX).
5. Purgue el cartucho nuevo conforme a lo indicado en la tabla de purga de la página 38.

Ahora ya puede utilizar el sistema.

Procedure voor de inbedrijfstelling van de installatie

1. Schakel de watertoevoer in.
2. Breng het systeem onder druk door de kogelkraan van de inlaat langzaam een kwartslag in de richting van 'ON' te draaien (linksom).
3. Controleer op lekkage.
4. Gebruik de ontluhtingsklep om opgesloten lucht te laten ontsnappen (DP2XX, DP3XX).
5. Spoel het nieuwe patroon zoals aangegeven in de Spoeltabel op pagina 38.

Het systeem is nu klaar voor gebruik.

機器の動作手順

1. システムへの給水を開始します。
2. 入口のウォーターボールバルブをゆっくりと左に4分の1回転（反時計回り）させて「ON」位置にし、システムを加圧します。
3. 漏れがないか確認します。
4. ベントバルブを使用して空気を抜きます（DP2XX、DP3XX）。
5. 38ページの放出水量表に従ってカートリッジに水を流します。

これでシステムが使用可能になりました。

设备启动程序

1. 打开系统的进水开关。
2. 缓慢地将进水球阀向左旋转 1/4 圈（逆时针）至“打开”位置，为系统加压。
3. 检查是否存在漏水情况。
4. 利用排气阀排出滞留的空气（DP2XX、DP3XX）。
5. 按照第 38 页“冲洗表”中的说明冲洗新的滤筒。

系统现已准备就绪，可以使用了。

Cartridge Replacement

- For proper maintenance of your filtration system, routine replacement of filter cartridges is required. Please refer to the replacement instructions included with your specific replacement cartridge.
- For additional information on cartridge replacements please go to 3M.com/waterquality.
- For additional product information, including product manual and Performance Data Sheet, go to 3M.com/waterquality or contact 3M at 1-866-990-9785.

Remplacement De La Cartouche

- Pour un entretien optimal de votre système de filtration, il est nécessaire de changer régulièrement les cartouches de filtration. Veuillez vous référer aux instructions de remplacement jointes à votre cartouche de remplacement spécifique.
- Vous trouverez des informations supplémentaires sur les remplacements de cartouche à l'adresse 3M.com/waterquality.
- Pour plus d'informations sur les produits, y compris les manuels et les fiches de données de performances des produits, consulter l'adresse 3M.com/waterquality ou contacter 3M au 1-866-990-9785.

Austausch Von Kartuschen

- Ein regelmäßiger Austausch der Filterkartuschen ist für die vorschriftsmäßige Wartung Ihres Filtrationssystems unerlässlich. Beziehen Sie sich bitte diesbezüglich auf die mit Ihren spezifischen Filterkartuschen mitgelieferte Anleitung zum Austauschen.
- Weitere Informationen zu Ersatzkartuschen finden Sie unter 3M.com/waterquality.
- Zusätzliche Produktinformationen, einschließlich Produkthandbuch und Datenblatt, finden Sie unter 3M.com/waterquality oder wenden Sie sich unter 1-866-990-9785 an 3M.

Sostituzione Della Cartuccia

- Per una corretta manutenzione del sistema di filtrazione, è necessaria la sostituzione ordinaria delle cartucce per il filtro. Consultare le istruzioni di sostituzione incluse con la cartuccia di ricambio specifica.
- Per ulteriori informazioni sulla sostituzione delle cartucce, visitare 3M.com/waterquality.
- Per ulteriori informazioni sul prodotto, compreso il manuale del prodotto e la scheda tecnica delle prestazioni, visitare 3M.com/waterquality o contattare 3M al numero 1-866-990-9785.

Reemplazo Del Cartucho

- Para realizar un mantenimiento adecuado de su sistema de filtrado, deberá hacer un reemplazo de rutina de los cartuchos del filtro. Consulte las instrucciones de reemplazo incluidas con su cartucho de repuesto específico.
- Si desea más información sobre los recambios de los cartuchos, entre en 3M.com/waterquality.
- Si desea más información sobre el producto, incluidos el manual y la ficha técnica de rendimiento, entre en 3M.com/waterquality o póngase en contacto con 3M llamando al 917 224 059.

Een Cartridge Vervangen

- Om uw filtratiesysteem correct te onderhouden, moet u de filtercartridges regelmatig vervangen. Raadpleeg de instructies voor vervanging van uw specifieke reservecartridge.
- Aanvullende informatie over het vervangen van cartridges vindt u op 3M.com/waterquality.
- Voor aanvullende productinformatie, waaronder producthandleidingen en de prestatiegegevens, gaat u naar 3M.com/waterquality of neemt u contact op met 3M via 1-866-990-9785.

カートリッジ交換

- フィルターシステムの適切なメンテナンスとして、フィルターカートリッジの定期交換が必要です。特定の交換カートリッジに同梱されている交換手順を参照してください。
- カートリッジ交換の詳細については、3M.com/waterqualityをご覧ください。
- 製品マニュアルや性能データシートを含む製品情報については、3M.com/waterqualityにアクセスいただくか、3M（電話：1-866-990-9785）までお問い合わせください。

滤筒更换

- 必须定期更换滤筒，以便正确维护过滤系统。请参阅具体更换滤筒随附的更换说明。
- 有关滤筒更换的其他信息，请访问 3M.com/waterquality。
- 如需了解更多产品信息，包括产品手册和性能数据表，请访问 3M.com/waterquality 或致电 1-866-990-9785 联系 3M。

High Flow Series Parts Identification List

Nomenclature Des Pièces High Flow Series / High Flow Series – Teileliste / Elenco di Identificazione Delle Parti High Flow Series / Lista de Identificación de Piezas de la Serie de Alto Flujo / Onderdelenlijst Van de High Flow-Reeks / ハイフローシリーズ部品確認リスト / 高流量系列部件标识列表

Repl. Ctg. Model # / Part # / Rempl. Ctg. Modèle / pièce n° / Kart. für Austausch Modellnr. / Teilenr. / Sost. Cart. N. modello / N. parte / Repuesto Cat. N.º de modelo / N.º de pieza / Verv. cat. Modelnr. / Onderdeelnr. / 交換 カートリッジ モデル番号 / 部品番号 / 更換目录 型号 / 零件编号	Rated Flow / Débit nominal / Nenndurchfluss / Flusso nominale: / Flujo nominal / Nominaal debiet / 定格流量 / 额定流量	System / Part # / Système / pièce n° / System / Teilenr. / Sistema / N. parte / N.º de sistema / N.º de pieza. / Systeem / Onderdeelnr. / システム / 部品番号 / 系统 / 零件编号	Rated Flow / Débit nominal / Nenndurchfluss / Flusso nominale: / Flujo nominal / Nominaal debiet / 定格流量 / 额定流量
DP260 Cartpak / 5613814			
• (2) HF60 / 5613403	3.34 gpm (12,6 lpm)	DP260 / 562551	6.68 gpm (25,3 lpm)
• HF8-S / 5582113	6 gpm (22,7 lpm)		
DP190 Cartpak / 5613801			
• HF90 / 5613503	5 gpm (18,9 lpm)	DP190 / 5624301	5 gpm (18,9 lpm)
• HF8-S / 5582113	6 gpm (22,7 lpm)		
DP290 Cartpak / 5613802			
• (2) HF90 / 5613503	5 gpm (18,9 lpm)	DP290 / 5624201	10gpm (37,9 lpm)
• HF8-S / 5582113	6 gpm (22,7 lpm)		
DP390 Cartpak / 5613803			
• (3) HF90 / 5613503	5 gpm (18,9 lpm)	DP390 / 5624102	15 gpm (56,8 lpm)
• HF8-S / 5582113	6 gpm (22,7 lpm)		
DP295-CL Cartpak / 5613818			
• (2) HF95-CL / 5627302	2.5 gpm (9,5 lpm)	DP295-CL / 5624204	5.0 gpm (18,92 lpm)
• HF8-S / 5582113	6 gpm (22,7 lpm)		
DP295-CLX Cartpak / 5613830			
• (2) HF95-CLX / 5627311	1.5 gpm (5,68 lpm) Chloramine 5.0 gpm (18,9 lpm) CTO	DP295-CLX / 5624206	3.0 gpm (11,4 lpm) Chloramine 10 gpm (37,9 lpm) CTO
• HF8-S / 5582113	6 gpm (22,7 lpm)		

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.

Sélection et utilisation du produit : de nombreux facteurs peuvent déterminer si un produit 3M est approprié pour une application particulière et son efficacité, y compris l'eau locale et l'état de la plomberie. Le client est tenu de déterminer si un produit 3M respecte les exigences des applications spécifiques du client, y compris de tester la qualité de l'alimentation en eau et la comparer aux capacités du système décrites dans la fiche de données de performances. Un mauvais entretien, évaluation, sélection ou utilisation d'un produit 3M ou le non-respect des instructions ou réglementations applicables peut entraîner des blessures suite à l'exposition à des contaminants ET/OU des dommages matériels dus à une fuite d'eau ou à une inondation.

Garantie limitée, limitation de recours et exclusion de responsabilité : 3M garantit que ce produit (excepté la cartouche ou membrane filtrante) sera exempt de défaut matériel et de main d'œuvre pendant une durée d'un (1) an à compter de la date d'achat. Aucune garantie n'est donnée concernant la durée de vie de toute cartouche ou membrane filtrante car elle varie en fonction de la consommation d'eau et de sa qualité. 3M N'OFFRE AUCUNE AUTRE GARANTIE OU CONDITION, EXPLICITE OU IMPLICITE, Y COMPRIS ET SANS LIMITATION LA GARANTIE IMPLICITE OU CONDITION DE QUALITÉ MARCHANDE, D'APTITUDE À L'USAGE À DES FINS SPÉCIFIQUES OU TOUTE GARANTIE OU CONDITION IMPLICITE DÉCOULANT DE LA DISTRIBUTION, DE LA PRATIQUE OU DE L'USAGE DU COMMERCE, sauf si la loi l'exige. Cette garantie ne couvre pas les pannes consécutives à une utilisation incorrecte, à des altérations, au non-respect des instructions ou à des dommages qui n'ont pas été causés par 3M. Cette garantie ne couvre pas la main-d'œuvre. Si le produit 3M n'est pas conforme à cette garantie, le seul et unique recours est, à la discrétion de 3M, le remplacement du produit 3M ou le remboursement du prix d'achat.

Cette garantie vous donne des droits légaux juridiques, et vous pouvez avoir d'autres droits qui peuvent varier d'un état à l'autre ou d'un pays à l'autre. Pour l'assistance ou les questions concernant la garantie, composer le 866.990.9785. Toute demande dans le cadre de la garantie doit être accompagnée d'une preuve d'achat.

Limitation de responsabilité : à l'exception de la limitation de recours mentionnée ci-dessus et dans la mesure où le droit ne l'interdit pas, 3M ne pourra être tenu responsable d'aucun dommage ni perte découlant du produit 3M ou associé à celui-ci, qu'il soit direct, indirect, spécial, accessoire ou consécutif (y compris et sans limitation les pertes de profits ou d'opportunités commerciales), indépendamment de la théorie juridique ou d'équité revendiquée, y compris et sans limitation si la réclamation est basée sur la garantie, le contrat, la négligence ou la responsabilité stricte.

Produktauswahl und -anwendung: Viele Faktoren können einen Einfluss darauf haben, ob ein 3M-Produkt für eine bestimmte Anwendung geeignet ist und wie es sich verhält, einschließlich der örtlichen Wasser- und Installationsbedingungen. Es ist allein Aufgabe des Kunden festzustellen, ob ein 3M-Produkt seine Anforderungen für eine konkrete Anwendung erfüllt. Hierzu gehört auch die Prüfung der Qualität der Quelle des zuzuführenden Wassers und deren Vergleich mit der im Leistungsdatenblatt beschriebenen Produktleistung. Eine nicht angemessene Beurteilung, Auswahl, Anwendung oder Wartung eines 3M-Produkts oder die Nichteinhaltung der anwendbaren Sicherheitsvorschriften oder Anweisungen kann zu Verletzungen von Personen durch Schadstoffe UND/ODER zu Sachschäden durch austretendes Wasser oder Überflutung führen.

Beschränkte Garantie, eingeschränkte Rechtsmittel und Haftungsausschluss: 3M garantiert für den Zeitraum von einem (1) Jahr ab Kaufdatum, dass dieses Produkt (außer Filterkartusche bzw. Filtermembran) frei von Material- und Herstellungsfehlern ist. Für die Lebensdauer von Filterkartuschen oder Membranen wird keine Garantie übernommen, da diese vom örtlichem Wasser und dem Wasserverbrauch abhängt. Außer in dem gesetzlich erforderlichen Maße ÜBERNIMMT 3M KEINE ANDEREN AUSDRÜCKLICHEN ODER STILLSCHWEIGENDEN GARANTIEEN ODER ZUSICHERUNGEN, EINSCHLIESSLICH ALLER IMPLIZITEN GARANTIEEN ODER ZUSICHERUNGEN, DIE EINE MARKTGÄNGIGKEIT ODER EIGNUNG FÜR BESTIMMTE ZWECKE SUGGERIEREN ODER SICH AUS EINEM HANDELSVERLAUF, EINER GEWOHNHEIT ODER HANDELSBRAUCH ERGEBEN. Diese Garantie deckt keine Schäden ab, die durch fehlerhafte Verwendung, Veränderungen, Nichtbefolgung der Anweisungen entstehen oder Schäden, die nicht durch 3M verursacht werden. Diese Garantie deckt keine Arbeiten ab. Wenn das 3M-Produkt dieser Garantie nicht entspricht, besteht das einzige und ausschließliche Rechtsmittel nach Wahl von 3M im Austausch des 3M-Produkts oder in der Rückerstattung des Kaufpreises.

Diese Garantie stattet Sie mit bestimmten Rechten aus und je nach Bundesland bzw. Land können Ihnen weitere Rechte zustehen. Bei Fragen zur Garantie oder zum Service, rufen Sie bitte 866.990.9785 an. Um einen Garantieanspruch geltend zu machen, ist ein Kaufbeleg beizulegen.

Haftungsbeschränkung: Mit Ausnahme des oben genannten eingeschränkten Rechtsmittels und soweit gesetzlich zulässig haftet 3M nicht für Verluste oder Schäden, die sich aus dem 3M-Produkt ergeben oder damit in Zusammenhang stehen, unabhängig davon, ob es sich um unmittelbare, mittelbare, spezielle, zufällige oder Folgeschäden handelt (wie z. B. entgangene Gewinne oder Geschäftsmöglichkeiten), sowie unabhängig von der geltend gemachten Rechts- oder Billigkeitstheorie, wie z. B. durch Garantie, Vertrag, Fahrlässigkeit oder verschuldensunabhängige Haftung.

Selezione e utilizzo del prodotto: Molti fattori possono incidere sul fatto che un prodotto 3M sia appropriato per una particolare applicazione e sulle sue prestazioni, comprese le condizioni locali dell'acqua e dell'impianto idraulico. Il cliente è l'unico responsabile a determinare se un prodotto 3M soddisfa i requisiti dell'applicazione specifica, compreso il test della qualità dell'acqua in entrata e il confronto con le capacità del prodotto descritte nella scheda tecnica delle prestazioni. L'incapacità di valutare, selezionare, utilizzare o mantenere correttamente un prodotto 3M, o di soddisfare le normative o le istruzioni applicabili, può provocare lesioni personali dovute all'esposizione a contaminanti E/O danni alla proprietà dovuti a perdite d'acqua o allagamenti.

Garanzia, limitazioni ed esclusione di responsabilità: 3M garantisce che questo prodotto (esclusa la cartuccia del filtro o la membrana del filtro) sarà privo di difetti di materiale e di fabbricazione per il periodo di un (1) anno dalla data di acquisto. Non viene rilasciata alcuna garanzia per quanto riguarda la durata di vita di qualsiasi cartuccia filtrante o membrana, in quanto varia a seconda delle condizioni locali dell'acqua e del consumo di acqua. Fatto salvo quanto richiesto dalla legge, 3M NON RILASCIA ALCUNA ALTRA GARANZIA O CONDIZIONE, ESPLICITA O IMPLICITA, COMPRESA, TRA L'ALTRO, EVENTUALI GARANZIE IMPLICITE O CONDIZIONI DI COMMERCIALITÀ, O IDONEITÀ A UN SCOPO PARTICOLARE, O QUALSIASI GARANZIA IMPLICITA O CONDIZIONE DERIVANTE DA ANDAMENTO DELLA TRANSAZIONE, CONSUETUDINE O USO COMMERCIALE. Questa garanzia non copre guasti derivanti da uso improprio, alterazioni, mancato rispetto delle istruzioni o danni non causati da 3M. Questa garanzia non comprende la manodopera. Qualora il prodotto 3M non risulti conforme alla presente garanzia, l'unico rimedio sarà, a discrezione di 3M, la sostituzione del prodotto 3M o il rimborso del prezzo di acquisto.

La presente garanzia conferisce al titolare diritti legali specifici e il titolare può avere ulteriori diritti che possono variare da Stato a Stato o da Paese a Paese. Per domande sulla garanzia o sull'assistenza, chiamare il numero 866.990.9785. In caso di reclamo in garanzia, la prova d'acquisto deve accompagnare la richiesta.

Limitazione di responsabilità: Fatta eccezione per il rimedio limitato sopra indicato, e salvo quanto vietato dalla legge, 3M non sarà responsabile di eventuali perdite o danni derivanti o correlati al prodotto 3M, siano essi diretti, indiretti, speciali, incidentali o consequenziali (inclusi, in modo non esaustivo, la perdita di profitti od opportunità di business), indipendentemente dalla teoria legale o fondata sostenuta, inclusi, in modo non esaustivo, garanzia, contratto, negligenza o responsabilità oggettiva.

Selección y uso del producto: La idoneidad de un producto de 3M para una aplicación en particular y el rendimiento de dicho producto pueden verse afectados por muchos factores, entre los que se incluyen el agua del lugar y las condiciones de la instalación de fontanería. El cliente es el único responsable de determinar si un producto de 3M cumple los requisitos de su aplicación concreta, lo que incluye probar la calidad del agua entrante y compararla con las prestaciones del producto definidas en la ficha técnica de rendimiento. Si no se evalúa, selecciona o utiliza como es debido un producto de 3M, no se le da un mantenimiento adecuado, o se incumplen las normativas o instrucciones pertinentes, podrán producirse lesiones a causa de la exposición a contaminantes Y/O daños materiales causados por fugas de agua o inundaciones.

Garantía limitada, solución limitada y descargo de responsabilidades: 3M garantiza que este producto (a excepción del cartucho o la membrana del filtro) no presentará ningún defecto en sus materiales ni de fabricación durante un período de un (1) año a partir de la fecha de compra. No se da ninguna garantía en lo referente a la vida útil de ningún cartucho ni membrana del filtro, ya que esta variará en función de las condiciones del agua del lugar y del consumo de agua. Excepto en los casos que la ley así lo exija, 3M NO OFRECE NINGUNA OTRA GARANTÍA O CONDICIÓN, EXPRESA O IMPLÍCITA, LO QUE INCLUYE, ENTRE OTRAS, CUALQUIER GARANTÍA O CONDICIÓN IMPLÍCITA DE COMERCIABILIDAD O IDONEIDAD PARA UN FIN DETERMINADO, NI NINGUNA OTRA GARANTÍA O CONDICIÓN IMPLÍCITA QUE SURJA DE UNA NEGOCIACIÓN, COSTUMBRE O USO COMERCIAL. Esta garantía no cubre los fallos causados por un uso indebido, manipulaciones, un incumplimiento de las instrucciones o daños no causados por 3M. Esta garantía no cubre la mano de obra. Si el producto de 3M no cumple con esta garantía, la única y exclusiva solución es, a elección de 3M, la sustitución del producto de 3M o el reembolso del importe de la compra.

Esta garantía le otorga derechos jurídicos específicos y también puede implicar otros derechos que podrían variar según la jurisdicción. Si tiene alguna duda sobre la garantía o el servicio técnico, llame al 917 224 059. Toda reclamación de garantía deberá ir acompañada de un justificante de compra.

Limitación de responsabilidad: A excepción de la solución limitada indicada anteriormente, y salvo en la medida en que lo prohíba la ley, 3M no será responsable de ninguna pérdida o daño que surja o esté relacionado con el producto de 3M, ya sea directo, indirecto, especial, incidental o consecuente (incluidos, entre otros, la pérdida de beneficios u oportunidades de negocio), independientemente de la teoría legal o equitativa que se haga valer, entre ellas, la garantía, el contrato, la negligencia o la responsabilidad estricta.

Selectie en gebruik van producten: Of een 3M-product al dan niet geschikt is voor een bepaalde toepassing en welke prestaties het product levert, wordt bepaald door tal van factoren, waaronder de lokale waterkwaliteit en de afvoeromstandigheden. De klant is als enige verantwoordelijk voor het bepalen of een 3M-product voldoet aan de specifieke toepassingseisen van de klant. Daaronder valt ook het testen van de binnenkomende bronwaterkwaliteit en het vergelijken ervan met de capaciteiten van het product die worden vermeld in het blad met prestatiegegevens. Als een 3M-product niet op de juiste wijze wordt geëvalueerd, geselecteerd, gebruikt of onderhouden, of als niet aan alle van toepassing zijnde regels of voorschriften wordt voldaan, kan dit leiden tot persoonlijk letsel door blootstelling aan contaminanten EN/OF materiële schade door lekkages of overstromingen.

Beperkte garantie, beperkte verhaalsmogelijkheid en disclaimer: 3M garandeert dat dit product (met uitzondering van de filtercartridge of filtermembranen) gedurende een periode van een (1) jaar na de dag van aankoop geen materiaal- of fabricagefouten zal vertonen. Er wordt geen garantie verleend op de levensduur van filtercartridges of -membranen, omdat deze afhankelijk is van de lokale wateromstandigheden en het waterverbruik. Tenzij de wet dit voorschrijft, BIJDT 3M GEEN ANDERE GARANTIES OF VOORWAARDEN, EXPLICIET OF IMPLICIET, MET INBEGRIJ VAN IEDERE IMPLICIETE GARANTIE OF VOORWAARDE TEN AANZIEN VAN DE VERKOOPBAARHEID OF DE GESCHIKTHEID VOOR EEN BEPAALD DOEL EN IEDERE GARANTIE OF VOORWAARDE DIE VOORTVLOEIT UIT EEN BETREKKING TUSSEN PARTIJEN, GEWOONTERECHT OF HANDELSGEBRUIK. Deze garantie dekt geen gebreken die het gevolg zijn van onjuist gebruik, wijzigingen, het niet opvolgen van de instructies of schade die niet is veroorzaakt door 3M. Deze garantie dekt geen arbeidskosten. Als een 3M-product niet voldoet aan deze garantieverklaring, is vervanging van het 3M-product of vergoeding van de aankoopprijs van het 3M-product, naar keuze van 3M, de enige en exclusieve verhaalsmogelijkheid.

Deze garantieverklaring verleent u specifieke juridische rechten en mogelijk beschikt u nog over andere rechten die van staat tot staat dan wel van land tot land verschillen. Indien u vragen heeft over deze garantieverklaring, kunt u bellen naar 866.990.9785. Bij een aanspraak op garantie moet altijd een aankoopbewijs worden overlegd.

Beperking van aansprakelijkheid: Met uitzondering van de hierboven beperkte verhaalsmogelijkheid en voor zover niet uitgesloten door de wetgeving, is 3M niet aansprakelijk voor verlies of schade die voortvloeit uit of verband houdt met het 3M-product, zij het directe, indirecte, incidentele of vervolgschade (met inbegrip van, maar niet beperkt tot winstderving of verlies van zakelijke kansen), ongeacht de wettelijke of billijke theorie waarop een beroep wordt gedaan, met inbegrip van, maar niet beperkt tot garantie, contract, verwaarlozing of strikte aansprakelijkheid.

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Flush Table: HF60¹

High Flow Series Manifold	# of Cartridges	Rated Flow	Flush Instructions
DP1XX Single Manifold	1	3.5 gpm (13,25 lpm)	Flush 7.0 gallons (26,5 liters) through cartridge(s) before use (flush approx. 2 mins.)
DP2XX Twin Manifold	2	7 gpm (26,5 lpm)	Flush 14.0 gallons (53,0 liters) through cartridge(s) before use (flush approx. 2 mins.)
DP3XX Triple Manifold	3	10.5 gpm (39,75 lpm)	Flush 21.0 gallons (79,5 liters) through cartridge(s) before use (flush approx. 2 mins.)

Flush Table: HF90¹, HF95-CL¹, HF95-CLX

High Flow Series Manifold	# of Cartridges	Rated Flow	Flush Instructions
DP1XX Single Manifold	1	5 gpm (18,9 lpm)	Flush 10.0 gallons (37,9 liters) through cartridge(s) before use (flush approx. 2 mins.)
DP2XX Twin Manifold	2	10 gpm (37,9 lpm)	Flush 20.0 gallons (75,7 liters) through cartridge(s) before use (flush approx. 2 mins.)
DP3XX Triple Manifold	3	15 gpm (56,8 lpm)	Flush 30.0 gallons (114 liters) through cartridge(s) before use (flush approx. 2 mins.)

Flush Table: HF8-S^{1,2,3}

High Flow Series Manifold	# of Cartridges	Flush Instructions
DP1XX Single Manifold	1	Flush approx. 2 mins.
DP2XX Twin Manifold	1	Flush approx. 2 mins.
DP3XX Triple Manifold	1	Flush approx. 2 mins.



System has been tested and certified by NSF International against NSF/ANSI Standard 42, 53 and/or CSA B483.1 for the reduction of the substances specified on the Performance Data Sheet

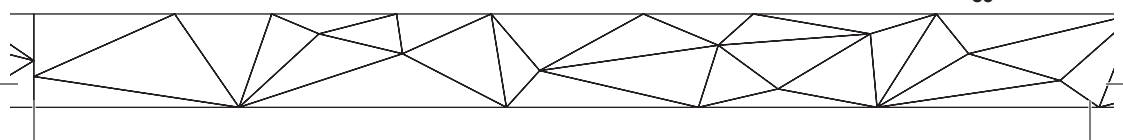
This cartridge is Tested and Certified by NSF International against NSF/ANSI Standard 42 for materials and structural integrity requirements.




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

¹This model is not certified by WQA to WQA/ASPE/ANSI S-803.

²NSF COMPONENT listing

³Flow rate limited by upstream cartridges



Requester: Jaleel Dunn Creator: 30476 Client PR #: 30043 File Name: 34872714133.indd Structure #: SS-85431 Date: 12/20/21	Printed Colors – Front: 
	Printed Colors – Back: 
	Match Colors:
Scale:  1 Inch	
<p>This artwork has been created as requested by 3M. 3M is responsible for the artwork AS APPROVED and assumes full responsibility for its correctness.</p>	

PROOF REQUIRED

Please refer to 3M Corporate General Spec. 205 for details

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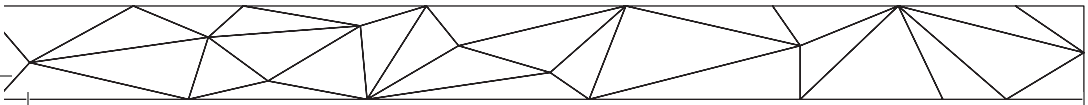


**3M Purification Inc.
3M Separation and
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High Flow
Series Filters

3M™ Water Filtration Products

Performance Data Sheets

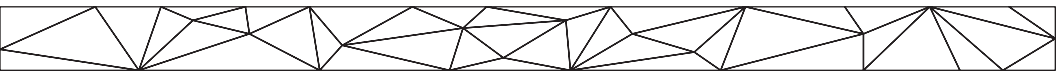


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Performance Data Sheet

Model: DWS160-L

Use Replacement Cartridge 160-L.

The concentration of the indicated substances in water entering the system was reduced to a concentration less than or equal to the permissible limit for water leaving the system as specified in NSF/ANSI Standard 42 and Standard 53.



System tested and certified by NSF International against NSF/ANSI Standard 42 and Standard 53 for the reduction of substances listed below.

Capacity: 6000 Gallons (22,712 Liters) Contaminant Reduction Determined by NSF testing.

Contaminant	Average Influent Concentration	NSF specified Challenge Concentration	Avg % Reduction	Average Product Water Concentration	Max Permissible Product Water Concentration	NSF Reduction Requirements	NSF Test Report
Chlorine Taste and Odor	2.0 mg/L	2.0 mg/L ± 10%	97.5%	0.05 mg/L	N/A	≥ 50%	J-001456899
Nominal Particulate Class L, ≥0.5 to < 1.0 µm	4, 666,667 pts/mL	At least 10,000 particles/mL	99.9%	2565 pts/ml	N/A	≥85%	J-00126785
Benzene	0.017 mg/L	0.015 mg/L ± 10%	>97.1%	0.0005 mg/L	0.005 mg/L	N/A	J-00144130
Cyst ¹	120,000 cysts/L	Minimum 50,000 cysts/L	99.99%	13 cyst/L	N/A	≥99.95%	J-00126784
Lead pH @8.5	0.150 mg/L	0.15 mg/L ± 10%	>99.3%	0.001 mg/L	0.010 mg/L	N/A	J-00144127
Lead pH @6.5	0.150 mg/L	0.15 mg/L ± 10%	>99.3%	0.001 mg/L	0.010 mg/L	N/A	J-00144129
P-Dichlorobenzene	0.225 mg/L	0.225 mg/L ± 10%	99.7%	0.0005 mg/L	0.075 mg/L	N/A	J-00144131
Toxaphene	0.017 mg/L	0.015 mg/L ± 10%	>93.9%	0.001 mg/L	0.003 mg/L	N/A	J-00144132

¹Based on the use of *Cryptosporidium parvum* oocysts

Application Guidelines/Water Supply Parameters

Service Flow	2.5 gpm (9.4 lpm)
Water Supply	Potable Water
Water Pressure	25 - 125 psi (172 - 862 kPa)
Water Temperature	40° F - 100° F (4.4° C - 38° C)

It is essential that the manufacturer's recommended installation, maintenance and filter replacement requirements be carried out for the product to perform as advertised. See Installation Manual for Warranty information.

Note: While the testing was performed under standard laboratory conditions, actual performance may vary.

Replacement Cartridge: 160-L. For estimated costs of replacement elements please call 866.990.9785 or visit our website at www.3Mpurification.com

Parts and service available from:



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⚠ WARNING

Read entire manual. Failure to follow all guides and rules could cause personal injury or property damage.

- Check with your local public works department for plumbing codes. You must follow their guidelines as you install the water filtration system.
- Your water filtration system will withstand up to 125 pounds per square inch (psi) water pressure. If your house water supply pressure is higher than 80 psi, install a pressure reducing valve before installing the water filtration system.

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 may contain filterable cysts.

NOTICE

To reduce the risk associated with water leakage or flooding:

- Read and follow Use Instructions before installation and use of this system.
- Change the disposable filter cartridge at the recommended interval; the disposable filter cartridge MUST be replaced every 12 months or sooner.
- Failure to replace the disposable filter cartridge at recommended intervals may lead to reduced filter performance and failure of the filter, causing property damage from water leakage or flooding.
- Flush 5.0 gallons through cartridge before use (flush approximately 2 minutes).

Performance Data Sheet

Model: High Flow Series/HF05-MS

Use Replacement Cartridge HF05-MS

The concentration of the indicated substances in water entering the system was reduced to a concentration less than or equal to the permissible limit for water leaving the system as specified in NSF/ANSI Standard 42 and CSA B483.1.



System tested and certified by NSF International against NSF/ANSI Standard 42 and CSA B483.1 for the reduction of substances as listed below.

Capacity: See chart on next page.
Contaminant Reduction Determined by NSF testing.

Substance Reduction	Average Influent	NSF/ANSI specified Challenge Concentration	Avg % Reduction	Average Product Water Concentration	Max Permissible Product Water Concentration	NSF Reduction Requirements	NSF Test Report
Chlorine Taste and Odor	1.9 mg/L	2.0 mg/L ± 10%	99.9%	0.05 mg/L	N/A	≥ 50%	J-00177388

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Application Guidelines/Water Supply Parameters
Service Flow
Water Supply
Water Pressure
Water Temperature

It is essential that the manufacturer's recommended installation, maintenance and filter replacement requirements be carried out for the product to perform as advertised. See System Installation Manual for Warranty information.

Note: While the testing was performed under standard laboratory conditions, actual performance may vary.

Replacement Cartridge: HF05-MS. For estimated costs of replacement elements please call 866.990.9785 or visit our website at www.3Mpurification.com

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www.3Mpurification.com

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Read entire manual. Failure to follow all guides and rules could cause personal injury or property damage.

- Check with your local public works department for plumbing codes. You must follow their guidelines as you install the water filtration system.
- Your water filtration system will withstand up to 125 pounds per square inch (psi) water pressure. If your house water supply pressure is higher than 80 psi, install a pressure reducing valve before installing the water filtration system.

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.

NOTICE

To reduce the risk associated with water leakage or flooding:

- Read and follow Use Instructions before installation and use of this system.
- Change the disposable filter cartridge at the recommended interval; the disposable filter cartridge **MUST** be replaced every 12 months or sooner.
- Failure to replace the disposable filter cartridge at recommended intervals may lead to reduced filter performance and failure of the filter, causing property damage from water leakage or flooding.

Performance Data Sheet

Model: High Flow Series/HF05-MS

Use Replacement Cartridge HF05-MS

HF05-MS Cartridge Flow and Capacity Information

Head & Manifold	# of Cartridges	Flow Rate	Flush Instructions	Capacity
NH3 Series Head	1	.75 gpm (2.8 lpm)	Flush 1.5 gals through cartridge(s) before use (flush approx. 2 mins.)	1,500 gallons (5,678 liters)
VH3 Series Head	1	.75 gpm (2.8 lpm)	Flush 1.5 gals through cartridge(s) before use (flush approx. 2 mins.)	1,500 gallons (5,678 liters)
High Flow Series Twin 2XX Manifold	2	1.5 gpm (5.7 lpm)	Flush 3.0 gals through cartridge(s) before use (flush approx. 2 mins.)	3,000 gallons (11,356 liters)
High Flow Series Triple 3XX Manifold	3	2.25 gpm (8.5 lpm)	Flush 4.5 gals through cartridge(s) before use (flush approx. 2 mins.)	4,500 gallons (17,034 liters)
High Flow Series Single DF1XX Manifold	1	.75 gpm (2.8 lpm)	Flush 1.5 gals through cartridge(s) before use (flush approx. 2 mins.)	1,500 gallons (5,678 liters)
High Flow Series Twin DF2XX Manifold	2	1.5 gpm (5.7 lpm)	Flush 3.0 gals through cartridge(s) before use (flush approx. 2 mins.)	3,000 gallons (11,356 liters)
High Flow Series Single DP1XX Manifold	1	.75 gpm (2.8 lpm)	Flush 1.5 gals through cartridge(s) before use (flush approx. 2 mins.)	1,500 gallons (5,678 liters)
High Flow Series Twin DP2XX Manifold	2	1.5 gpm (5.7 lpm)	Flush 3.0 gals through cartridge(s) before use (flush approx. 2 mins.)	3,000 gallons (11,356 liters)
High Flow Series Triple DP3XX Manifold	3	2.25 gpm (8.5 lpm)	Flush 4.5 gals through cartridge(s) before use (flush approx. 2 mins.)	4,500 gallons (17,034 liters)
High Flow Series Single SF1XX Manifold	1	.75 gpm (2.8 lpm)	Flush 1.5 gals through cartridge(s) before use (flush approx. 2 mins.)	1,500 gallons (5,678 liters)
High Flow Series DIDF2XX Manifold	2	1.5 gpm (5.7 lpm)	Flush 3.0 gals through cartridge(s) before use (flush approx. 2 mins.)	3,000 gallons (11,356 liters)

Performance Data Sheet

Model: High Flow Series/HF15-MS

Use Replacement Cartridge HF15-MS

The concentration of the indicated substances in water entering the system was reduced to a concentration less than or equal to the permissible limit for water leaving the system as specified in NSF/ANSI Standard 42 and CSA B483.1.



System tested and certified by NSF International against NSF/ANSI Standard 42 and CSA B483.1 for the reduction of substances as listed below.

Capacity: See chart on next page.
Contaminant Reduction: Determined by NSF testing.

Substance Reduction	Average Influent	NSF/ANSI specified Challenge Concentration	Avg. % Reduction	Average Product Water Concentration	Max. Permissible Product Water Concentration	NSF Reduction Requirements	NSF Test Report
Chlorine Taste and Odor	2.0 mg/L	2.0 mg/L ± 10%	90.5%	0.19 mg/L	N/A	≥ 50%	J-00177392
Particulate Class I, ≥0.5 to <1.0 µm	7,900,000 particles/mL	At least 10,000 particles/mL	99.9%	1815 pts/mL	N/A	≥ 85%	J-00100653

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Application Guidelines/Water Supply Parameters

Service Flow	See chart on next page
Water Supply	Potable Water
Water Pressure	25 -125 psi (172 – 862 kPa)
Water Temperature	40° F - 100° F (4.4° C - 38° C)

It is essential that the manufacturer's recommended installation, maintenance and filter replacement requirements be carried out for the product to perform as advertised. See Installation Manual for Warranty information.

Note: While the testing was performed under standard laboratory conditions, actual performance may vary.

Replacement Cartridge: HF15-MS. For estimated costs of replacement elements please call 866.990.9785 or visit our website at www.3Mpurification.com

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WARNING
Read entire manual. Failure to follow all guides and rules could cause personal injury or property damage.

- Check with your local public works department for plumbing codes. You must follow their guidelines as you install the water filtration system.
 - Your water filtration system will withstand up to 125 pounds per square inch (psi) water pressure. If your house water supply pressure is higher than 80 psi, install a pressure reducing valve before installing the water filtration system.
- 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.

NOTICE

To reduce the risk associated with water leakage or flooding:

- Read and follow Use Instructions before installation and use of this system.
- Change the disposable filter cartridge at the recommended interval; the disposable filter cartridge MUST be replaced every 12 months or sooner.
- Failure to replace the disposable filter cartridge at recommended intervals may lead to reduced filter performance and failure of the filter, causing property damage from water leakage or flooding.

Performance Data Sheet
Model: High Flow Series/HF15-MS
 Use Replacement Cartridge HF15-MS

HF15-MS Cartridge Flow and Capacity Information

Head & Manifold	# of Cartridges	Flow Rate	Flush Instructions	Capacity
NH3 Series Head	1	1 gpm (3.8 lpm)	Flush 2.0 gals through cartridge(s) before use (flush approx. 2 mins.)	3,500 gallons (13,249 liters)
VH3 Series Head	1	1 gpm (3.8 lpm)	Flush 2.0 gals through cartridge(s) before use (flush approx. 2 mins.)	3,500 gallons (13,249 liters)
High Flow Series Twin 2XX Manifold	2	2 gpm (7.57 lpm)	Flush 4.0 gals through cartridge(s) before use (flush approx. 2 mins.)	7,000 gallons (26,498 liters)
High Flow Series Triple 3XX Manifold	3	3 gpm (11.36 lpm)	Flush 6.0 gals through cartridge(s) before use (flush approx. 2 mins.)	10,500 gallons (39,747 liters)
High Flow Series Single DF1XX Manifold	1	1 gpm (3.8 lpm)	Flush 2.0 gals through cartridge(s) before use (flush approx. 2 mins.)	3,500 gallons (13,249 liters)
High Flow Series Twin DF2XX Manifold	2	2 gpm (7.57 lpm)	Flush 4.0 gals through cartridge(s) before use (flush approx. 2 mins.)	7,000 gallons (26,498 liters)
High Flow Series Single DP1XX Manifold	1	1 gpm (3.8 lpm)	Flush 2.0 gals through cartridge(s) before use (flush approx. 2 mins.)	3,500 gallons (13,249 liters)
High Flow Series Twin DP2XX Manifold	2	2 gpm (7.57 lpm)	Flush 4.0 gals through cartridge(s) before use (flush approx. 2 mins.)	7,000 gallons (26,498 liters)
High Flow Series Triple DP3XX Manifold	3	3 gpm (11.36 lpm)	Flush 6.0 gals through cartridge(s) before use (flush approx. 2 mins.)	10,500 gallons (39,747 liters)
High Flow Series Single SF1XX Manifold	1	1 gpm (3.8 lpm)	Flush 2.0 gals through cartridge(s) before use (flush approx. 2 mins.)	3,500 gallons (13,249 liters)
High Flow Series DIDF2XX Manifold	2	2 gpm (7.57 lpm)	Flush 4.0 gals through cartridge(s) before use (flush approx. 2 mins.)	7,000 gallons (26,498 liters)

Performance Data Sheet

Model: High Flow Series/HF10-MS

Use Replacement Cartridge HF10-MS

The concentration of the indicated substances in water entering the system was reduced to a concentration less than or equal to the permissible limit for water leaving the system as specified in NSF/ANSI Standard 42, Standard 53 and CSA B483.1.



System tested and certified by NSF International against NSF/ANSI Standard 42, Standard 53, and CSA B483.1 for the reduction of substances as listed below.

Capacity: See chart on next page.
Contaminant Reduction Determined by NSF testing.

Substance Reduction	Average Influent	NSF/ANSI specified Challenge Concentration	Avg % Reduction	Average Product Water Concentration	Max Permissible Product Water Concentration	NSF Reduction Requirements	NSF Test Report
Particulate Class I, ≥ 0.5 to < 1.0 μm	4,833.333 pts/mL	At least 10,000 particles/mL	98.9%	52.167 pts/mL	N/A	$\geq 85\%$	J-00177426
Chlorine Taste and Odor	1.9 mg/L	2.0 mg/L $\pm 10\%$	97.4%	0.05 mg/L	N/A	$\geq 50\%$	J-00177390
Cyst Reduction*	87,000 cysts/L	Minimum 50,000 cysts/L	99.99%	4 cysts/L	N/A	$\geq 99.95\%$	J-00109556
Asbestos	10.1 MFL	10^7 to 10^8 fibers per liter	99%	0.17 MFL	N/A	$\geq 99\%$	J-00109555

*Based on the use of *Cryptosporidium parvum* oocysts.

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Application Guidelines/Water Supply Parameters
Service Flow
Water Supply
Water Pressure
Water Temperature

See chart on next page
Potable Water
25 -125 psi (172 – 862 kPa)
40° F - 100° F (4.4° C - 38° C)
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Replacement Cartridge: HF10-MS For estimated costs of replacement elements please call 866.990.9785 or visit our website at www.3Mpurification.com

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NOTICE

To reduce the risk associated with water leakage or flooding:

- Read and follow Use instructions before installation and use of this system.
- Change the disposable filter cartridge at the recommended interval; the disposable filter cartridge MUST be replaced every 12 months or sooner.
- Failure to replace the disposable filter cartridge at recommended intervals may lead to reduced filter performance and failure of the filter, causing property damage from water leakage or flooding.

Performance Data Sheet
Model: High Flow Series/HF10-MS
 Use Replacement Cartridge HF10-MS

HF10-MS Cartridge Flow and Capacity Information

Head & Manifold	# of Cartridges	Flow Rate	Flush Instructions	Capacity
NH3 Series Head	1	1 gpm (3.8 lpm)	Flush 2.0 gals through cartridge(s) before use (flush approx. 2 mins.)	3,500 gallons (13,249 liters)
VH3 Series Head	1	1 gpm (3.8 lpm)	Flush 2.0 gals through cartridge(s) before use (flush approx. 2 mins.)	3,500 gallons (13,249 liters)
High Flow Series Twin 2XX Manifold	2	2 gpm (7.57 lpm)	Flush 4.0 gals through cartridge(s) before use (flush approx. 2 mins.)	7,000 gallons (26,498 liters)
High Flow Series Triple 3XX Manifold	3	3 gpm (11.36 lpm)	Flush 6.0 gals through cartridge(s) before use (flush approx. 2 mins.)	10,500 gallons (39,747 liters)
High Flow Series Single DP1XX Manifold	1	1 gpm (3.8 lpm)	Flush 2.0 gals through cartridge(s) before use (flush approx. 2 mins.)	3,500 gallons (13,249 liters)
High Flow Series Twin DP2XX Manifold	2	2 gpm (7.57 lpm)	Flush 4.0 gals through cartridge(s) before use (flush approx. 2 mins.)	7,000 gallons (26,498 liters)
High Flow Series Single DP1XX Manifold	1	1 gpm (3.8 lpm)	Flush 2.0 gals through cartridge(s) before use (flush approx. 2 mins.)	3,500 gallons (13,249 liters)
High Flow Series Twin DP2XX Manifold	2	2 gpm (7.57 lpm)	Flush 4.0 gals through cartridge(s) before use (flush approx. 2 mins.)	7,000 gallons (26,498 liters)
High Flow Series Triple DP3XX Manifold	3	3 gpm (11.36 lpm)	Flush 6.0 gals through cartridge(s) before use (flush approx. 2 mins.)	10,500 gallons (39,747 liters)
High Flow Series Single SF1XX Manifold	1	1 gpm (3.8 lpm)	Flush 2.0 gals through cartridge(s) before use (flush approx. 2 mins.)	3,500 gallons (13,249 liters)
High Flow Series DIDF2XX Manifold	2	2 gpm (7.57 lpm)	Flush 4.0 gals through cartridge(s) before use (flush approx. 2 mins.)	7,000 gallons (26,498 liters)

Performance Data Sheet

Model: High Flow Series/HF20, HF20-S and HF20-MS

Use Replacement Cartridge HF20, HF20-S, or HF20-MS
 The concentration of the indicated substances in water entering the system was reduced to a concentration less than or equal to the permissible limit for water leaving the system as specified in NSF/ANSI Standard 42, Standard 53 and CSA B483.1.



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Capacity: See chart on next page.
 Contaminant Reduction Determined by NSF testing

Contaminant Reduction	Average Influent	NSF/ANSI specified Challenge Concentration	Avg % Reduction	Average Product Water Concentration	Max Permissible Product Water Concentration	NSF Reduction Requirements	NSF Test Report
Chlorine Taste and Odor	2.1 mg/L	2.0 mg/L ± 10%	96.6%	0.07 mg/L	N/A	≥ 50%	J-00210797
Nominal Particulate Class I, ≥ 0.5 µm to ≤ 1.0 µm	11,666,667 pts/mL	At least 10,000 particles/mL	99.8%	18,567 pts/mL	N/A	≥85%	J-00210878
Cyst*	145,000 cysts/L	Minimum 50,000 cysts/L	99.99%	1 cyst/L	N/A	≥99.95%	J-00210801

* Based on the use of *Cryptosporidium parvum* oocysts

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Application Guidelines/Water Supply Parameters
Service Flow
Water Supply
Water Pressure
Water Temperature

See chart on next page
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 25 -125 psi (172 – 862 kPa)
 40° F - 100° F (4.4° C - 38° C)

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NOTICE

To reduce the risk associated with water leakage or flooding:

- Read and follow Use Instructions before installation and use of this system.
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- Failure to replace the disposable filter cartridge at recommended intervals may lead to reduced filter performance and failure of the filter, causing property damage from water leakage or flooding.

Performance Data Sheet

Model: High Flow Series/HF20, HF20-S and HF20-MS

Use Replacement Cartridge HF20, HF20-S, or HF20-MS

HF20, HF20-S, or HF20-MS Cartridge Flow and Capacity Information

Head & Manifold	# of Cartridges	Flow Rate	Flush Instructions	Capacity
NH3 Series Head	1	1.5 gpm (5.67 lpm)	Flush 3.0 gals through cartridge(s) before use (flush approx. 2 mins.)	9,000 gallons (34,069 liters)
VH3 Series Head	1	1.5 gpm (5.67 lpm)	Flush 3.0 gals through cartridge(s) before use (flush approx. 2 mins.)	9,000 gallons (34,069 liters)
High Flow Series Twin 2XX Manifold	2	3.0 gpm (11.36 lpm)	Flush 6.0 gals through cartridge(s) before use (flush approx. 2 mins.)	18,000 gallons (68,137 liters)
High Flow Series Triple 3XX Manifold	3	4.5 gpm (17.03 lpm)	Flush 9.0 gals through cartridge(s) before use (flush approx. 2 mins.)	27,000 gallons (102,206 liters)
High Flow Series Single DF1XX Manifold	1	1.5 gpm (5.67 lpm)	Flush 3.0 gals through cartridge(s) before use (flush approx. 2 mins.)	9,000 gallons (34,069 liters)
High Flow Series Twin DF2XX Manifold	2	3.0 gpm (11.36 lpm)	Flush 6.0 gals through cartridge(s) before use (flush approx. 2 mins.)	18,000 gallons (68,137 liters)
High Flow Series Single DP1XX Manifold	1	1.5 gpm (5.67 lpm)	Flush 3.0 gals through cartridge(s) before use (flush approx. 2 mins.)	9,000 gallons (34,069 liters)
High Flow Series Twin DP2XX Manifold	2	3.0 gpm (11.36 lpm)	Flush 6.0 gals through cartridge(s) before use (flush approx. 2 mins.)	18,000 gallons (68,137 liters)
High Flow Series Triple DP3XX Manifold	3	4.5 gpm (17.03 lpm)	Flush 9.0 gals through cartridge(s) before use (flush approx. 2 mins.)	27,000 gallons (102,206 liters)
High Flow Series Single SF1XX Manifold	1	1.5 gpm (5.67 lpm)	Flush 3.0 gals through cartridge(s) before use (flush approx. 2 mins.)	9,000 gallons (34,069 liters)
High Flow Series DIDF2XX Manifold	2	3.0 gpm (11.36 lpm)	Flush 6.0 gals through cartridge(s) before use (flush approx. 2 mins.)	18,000 gallons (68,137 liters)

Performance Data Sheet
Model: High Flow Series/ HF25, HF25-S and HF25-MS
 Use Replacement Cartridge HF25, HF25-S or HF25-MS



System tested and certified by NSF International against NSF/ANSI Standard 42 and CSA B483.1 for the reduction of substances as listed below.

The concentration of the indicated substances in water entering the system was reduced to a concentration less than or equal to the permissible limit for water leaving the system as specified in NSF/ANSI Standard 42 and CSA B483.1.

Capacity: See chart on next page.
 Contaminant Reduction Determined by NSF Testing.

Substance Reduction	Average Influent	NSF/ANSI specified Challenge Concentration	Avg % Reduction	Average Product Water Concentration	Max Permissible Product Water Concentration	NSF Reduction Requirements	NSF Test Report
Chlorine Taste and Odor	1.9 mg/L	2.0 mg/L ± 10%	93.1%	0.14 mg/L	N/A	≥ 50%	J-00177378
Nominal Particulate Class I, ≥ 0.5 µm, to ≤ 1.0 µm	4,333,333 pts/mL	At least 10,000 particles/mL	99.2%	32,667 pts/mL	N/A	≥ 85%	J-00210878

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Application Guidelines/Water Supply Parameters
Service Flow
Water Supply
Water Pressure
Water Temperature

See chart on next page
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 40° F - 100° F (4.4° C - 38° C)

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NOTICE

To reduce the risk associated with water leakage or flooding:

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- Change the disposable filter cartridge at the recommended interval; the disposable filter cartridge **MUST** be replaced every 12 months or sooner.
- Failure to replace the disposable filter cartridge at recommended intervals may lead to reduced filter performance and failure of the filter, causing property damage from water leakage or flooding.

Performance Data Sheet
Model: High Flow Series/ HF25, HF25-S and HF25-MS
 Use Replacement Cartridge HF25, HF25-S or HF25-MS

HF25, HF25-S and HF25-MS Cartridge Flow and Capacity Information

Head & Manifold	# of Cartridges	Flow Rate	Flush Instructions	Capacity
NH3 Series Head	1	1.5 gpm (5.67 lpm)	Flush 3.0 gals through cartridge(s) before use (flush approx. 2 mins.)	10,000 gallons (37,854 liters)
VH3 Series Head	1	1.5 gpm (5.67 lpm)	Flush 3.0 gals through cartridge(s) before use (flush approx. 2 mins.)	10,000 gallons (37,854 liters)
High Flow Series Twin 2XX Manifold	2	3.0 gpm (11.36 lpm)	Flush 6.0 gals through cartridge(s) before use (flush approx. 2 mins.)	20,000 gallons (75,708 liters)
High Flow Series Triple 3XX Manifold	3	4.5 gpm (17.03 lpm)	Flush 9.0 gals through cartridge(s) before use (flush approx. 2 mins.)	30,000 gallons (113,562 liters)
High Flow Series Single DF-1XX Manifold	1	1.5 gpm (5.67 lpm)	Flush 3.0 gals through cartridge(s) before use (flush approx. 2 mins.)	10,000 gallons (37,854 liters)
High Flow Series Twin DF2XX Manifold	2	3.0 gpm (11.36 lpm)	Flush 6.0 gals through cartridge(s) before use (flush approx. 2 mins.)	20,000 gallons (75,708 liters)
High Flow Series Single DP-1XX Manifold	1	1.5 gpm (5.67 lpm)	Flush 3.0 gals through cartridge(s) before use (flush approx. 2 mins.)	10,000 gallons (37,854 liters)
High Flow Series Twin DP2XX Manifold	2	3.0 gpm (11.36 lpm)	Flush 6.0 gals through cartridge(s) before use (flush approx. 2 mins.)	20,000 gallons (75,708 liters)
High Flow Series Triple DP3XX Manifold	3	4.5 gpm (17.03 lpm)	Flush 9.0 gals through cartridge(s) before use (flush approx. 2 mins.)	30,000 gallons (113,562 liters)
High Flow Series Single SF-1XX Manifold	1	1.5 gpm (5.67 lpm)	Flush 3.0 gals through cartridge(s) before use (flush approx. 2 mins.)	10,000 gallons (37,854 liters)
High Flow Series DIDF2XX Manifold	2	3.0 gpm (11.36 lpm)	Flush 6.0 gals through cartridge(s) before use (flush approx. 2 mins.)	20,000 gallons (75,708 liters)

Performance Data Sheet

Model: High Flow Series/HF30, HF30-S and HF30-MS

Use Replacement Cartridge HF30, HF30-S or HF30-MS

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Capacity: See chart on next page.
Contaminant Reduction: Determined by NSF testing.

Substance Reduction	Average Influent	NSF/ANSI specified Challenge Concentration	Avg % Reduction	Average Product Water Concentration	Max Permissible Product Water Concentration	NSF Reduction Requirements	NSF Test Report
Chlorine Taste and Odor	2.0 mg/L	2.0 mg/L ± 10%	97.5%	0.05 mg/L	N/A	≥ 50%	J-00177380
Nominal Particulate Class I, ≥ 0.5 µm to ≤ 1.0 µm	4,333-333 pt/mL	At least 10,000 particles/mL	99.2%	32,667 pt/mL	N/A	≥ 85%	J-00177428
Cyst*	97,500 cysts/L	Minimum 50,000 cysts/L	>99.99%	13 cyst/L	N/A	≥ 99.95%	J-00124427
Turbidity	11.8 NTU	11 ± 1 NTU	98.8	0.13 NTU	0.5 NTU	N/A	J-00029891

*Based on the use of Cryptosporidium parvum oocysts

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Application Guidelines/Water Supply Parameters
Service Flow
Water Supply
Water Pressure
Water Temperature

See chart on next page

Potable Water

25-125 psi (1.72 – 862 kPa)

40° F - 100° F (4.4° C - 38° C)

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Performance Data Sheet
Model: High Flow Series/HF30, HF30-S and HF30-MS
 Use Replacement Cartridge HF30, HF30-S or HF30-MS

HF30, HF30-S and HF30-MS Cartridge Flow and Capacity Information

Head & Manifold	# of Cartridges	Flow Rate	Flush Instruction	Capacity
NH3 Series Head	1	1.67 gpm (6.32 lpm)	Flush 3.34 gals through cartridge(s) before use (flush approx. 2 mins.)	14,000 gallons (52,996 liters)
VH3 Series Head	1	1.67 gpm (6.32 lpm)	Flush 3.34 gals through cartridge(s) before use (flush approx. 2 mins.)	14,000 gallons (52,996 liters)
High Flow Series Twin 2XX Manifold	2	3.34 gpm (12.64 liters)	Flush 7.0 gals through cartridge(s) before use (flush approx. 2 mins.)	28,000 gallons (105,992 liters)
High Flow Series Triple 3XX Manifold	3	5.01 gpm (18.96 liters)	Flush 10.0 gals through cartridge(s) before use (flush approx. 2 mins.)	42,000 gallons (158,987 liters)
High Flow Series Single DF1XX Manifold	1	1.67 gpm (6.32 lpm)	Flush 3.34 gals through cartridge(s) before use (flush approx. 2 mins.)	14,000 gallons (52,996 liters)
High Flow Series Twin DF2XX Manifold	2	3.34 gpm (12.64 liters)	Flush 7.0 gals through cartridge(s) before use (flush approx. 2 mins.)	28,000 gallons (105,992 liters)
High Flow Series Single DP1XX Manifold	1	1.67 gpm (6.32 lpm)	Flush 3.34 gals through cartridge(s) before use (flush approx. 2 mins.)	14,000 gallons (52,996 liters)
High Flow Series Twin DP2XX Manifold	2	3.34 gpm (12.64 liters)	Flush 7.0 gals through cartridge(s) before use (flush approx. 2 mins.)	28,000 gallons (105,992 liters)
High Flow Series Triple DP3XX Manifold	3	5.01 gpm (18.96 liters)	Flush 10.0 gals through cartridge(s) before use (flush approx. 2 mins.)	42,000 gallons (158,987 liters)
High Flow Series Single SF1XX Manifold	1	1.67 gpm (6.32 lpm)	Flush 3.34 gals through cartridge(s) before use (flush approx. 2 mins.)	14,000 gallons (52,996 liters)
High Flow Series DIDF2XX Manifold	2	3.34 gpm (12.64 liters)	Flush 7.0 gals through cartridge(s) before use (flush approx. 2 mins.)	28,000 gallons (105,992 liters)

Performance Data Sheet

Model: High Flow Series/HF35-CL

Use Replacement Cartridge HF35-CL

The concentration of the indicated substances in water entering the system was reduced to a concentration less than or equal to the permissible limit for water leaving the system as specified in NSF/ANSI Standard 42 and CSA B483.1.



System tested and certified by NSF International against NSF/ANSI Standard 42 and CSA B483.1 for the reduction of substances as listed below.

Capacity: See chart on next page.
Contaminant Reduction: Determined by NSF Testing.

Contaminant Reduction	Average Influent	NSF/ANSI specified Challenge Concentration	Avg % Reduction	Average Product Water Concentration	Max Permissible Product Water Concentration	NSF/ANSI Requirements	NSF Test Report
Chlorine Taste and Odor	2.0 mg/L	2.0 mg/L ± 10%	96.6%	0.19 mg/L	N/A	≥ 50%	J-00119093
Chloramine	3.0 mg/L	3.0 mg/L ± 10%	96.6%	0.10 mg/L	<0.5 mg/L	N/A	J-00119093

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Application Guidelines/Water Supply Parameters

Service Flow	See chart on next page
Water Supply	Potable Water
Water Pressure	25 -125 psi (172 - 862 kPa)
Water Temperature	40° F - 100° F (4.4° C - 38° C)

It is essential that the manufacturer's recommended installation, maintenance and filter replacement requirements be carried out for the product to perform as advertised. See System Installation Manual for Warranty information.

Note: While the testing was performed under standard laboratory conditions, actual performance may vary.

Replacement Cartridge: HF35-CL. For estimated costs of replacement elements please call 866.990.9785 or visit our website at www.3mpurification.com

Parts and service available from:



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WARNING

Read entire manual. Failure to follow all guides and rules could cause personal injury or property damage.

- Check with your local public works department for plumbing codes. You must follow their guidelines as you install the water filtration system.
- Your water filtration system will withstand up to 125 pounds per square inch (psi) water pressure. If your house water supply pressure is higher than 80 psi, install a pressure reducing valve before installing the water filtration system.

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.

NOTICE

To reduce the risk associated with water leakage or flooding:

- Read and follow Use instructions before installation and use of this system.
- Change the disposable filter cartridge at the recommended interval; the disposable filter cartridge MUST be replaced every 12 months or sooner.
- Failure to replace the disposable filter cartridge at recommended intervals may lead to reduced filter performance and failure of the filter, causing property damage from water leakage or flooding.

Performance Data Sheet
Model: High Flow Series/HF35-CL
 Use Replacement Cartridge HF35-CL

HF35-CL Cartridge Flow and Capacity Information

Head & Manifold	# of Cartridges	Flow Rate	Flush Instructions	Capacity
NH3 Series Head	1	1.67 gpm (6.3 lpm)	Flush 3.34 gals through cartridge(s) before use (flush approx. 2 mins.)	3,600 gallons (13,626 liters)
VH3 Series Head	1	1.67 gpm (6.3 lpm)	Flush 3.34 gals through cartridge(s) before use (flush approx. 2 mins.)	3,600 gallons (13,626 liters)
High Flow Series Twin 2XX Manifold	2	3.34 gpm (12.6 lpm)	Flush 7.0 gals through cartridge(s) before use (flush approx. 2 mins.)	7200 gallons (27,252 liters)
High Flow Series Triple 3XX Manifold	3	5.01 gpm (19.0 lpm)	Flush 10.0 gals through cartridge(s) before use (flush approx. 2 mins.)	10,800 gallons (40,878 liters)
High Flow Series Single DF1XX Manifold	1	1.67 gpm (6.3 lpm)	Flush 3.34 gals through cartridge(s) before use (flush approx. 2 mins.)	3,600 gallons (13,626 liters)
High Flow Series Twin DF2XX Manifold	2	3.34 gpm (12.6 lpm)	Flush 7.0 gals through cartridge(s) before use (flush approx. 2 mins.)	7200 gallons (27,252 liters)
High Flow Series Single DP1XX Manifold	1	1.67 gpm (6.3 lpm)	Flush 3.34 gals through cartridge(s) before use (flush approx. 2 mins.)	3,600 gallons (13,626 liters)
High Flow Series Twin DP2XX Manifold	2	3.34 gpm (12.6 lpm)	Flush 7.0 gals through cartridge(s) before use (flush approx. 2 mins.)	7200 gallons (27,252 liters)
High Flow Series Triple D3PXX Manifold	3	5.01 gpm (19.0 lpm)	Flush 10.0 gals through cartridge(s) before use (flush approx. 2 mins.)	10,800 gallons (40,878 liters)
High Flow Series Single SF1XX Manifold	1	1.67 gpm (6.3 lpm)	Flush 3.34 gals through cartridge(s) before use (flush approx. 2 mins.)	3,600 gallons (13,626 liters)
High Flow Series DIDF2XX Manifold	2	3.34 gpm (12.6 lpm)	Flush 7.0 gals through cartridge(s) before use (flush approx. 2 mins.)	7200 gallons (27,252 liters)

Performance Data Sheet

Model: High Flow Series/HF35, HF35-S and HF35-MS

Use Replacement Cartridge HF35, HF35-S or HF35-MS
 The concentration of the indicated substances in water entering the system was reduced to a concentration less than or equal to the permissible limit for water leaving the system as specified in NSF/ANSI Standard 42 and CSA B483.1.



System tested and certified by NSF International against NSF/ANSI Standard 42 and CSA B483.1 for the reduction of substances as listed below.

Capacity: See chart on next page.
 Contaminant Reduction Determined by NSF testing.

Contaminant Reduction	Average Influent	NSF/ANSI specified Challenge Concentration	Avg % Reduction	Average Product Water Concentration	Max Permissible Product Water Concentration	NSF/ANSI Reduction Requirements	NSF Test Report
Chlorine Taste and Odor	1.9 mg/L	2.0 mg/L ± 10%	95.7%	0.08 mg/L	N/A	≥ 50%	J-00177384
Nominal Particulate Class I, ≥0.5 to < 1.0 µm	7,686,667 pts/mL	At least 10,000 particles/mL	99.9%	1392 pts/mL	N/A	≥85%	J-00100653

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Application Guidelines/Water Supply Parameters

Service Flow	See chart on next page
Water Supply	Potable Water
Water Pressure	25 - 125 psi (172 - 862 kPa)
Water Temperature	40° F - 100° F (4.4° C - 38° C)

It is essential that the manufacturer's recommended installation, maintenance and filter replacement requirements be carried out for the product to perform as advertised. See System Installation Manual for Warranty information.

Note: While the testing was performed under standard laboratory conditions, actual performance may vary.

Replacement Cartridge: HF35, HF35-S or HF35-MS. For estimated costs of replacement elements please call 866.990.9785 or visit our website at www.3Mpurification.com

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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.

NOTICE

To reduce the risk associated with water leakage or flooding:

- Read and follow Use Instructions before installation and use of this system.
- Change the disposable filter cartridge at the recommended interval; the disposable filter cartridge **MUST** be replaced every 12 months or sooner.
- Failure to replace the disposable filter cartridge at recommended intervals may lead to reduced filter performance and failure of the filter, causing property damage from water leakage or flooding.

Performance Data Sheet

Model: High Flow Series/HF35, HF35-S and HF35-MS

Use Replacement Cartridge HF35, HF35-S or HF35-MS

HF35, HF35-S and HF35-MS Cartridge Flow and Capacity Information

Head & Manifold	# of Cartridges	Flow Rate	Flush Instructions	Capacity
NH3 Series Head	1	1.67 gpm (6.3 lpm)	Flush 3.34 gals through cartridge(s) before use (flush approx. 2 mins.)	12,600 gallons (47,696 liters)
VH3 Series Head	1	1.67 gpm (6.3 lpm)	Flush 3.34 gals through cartridge(s) before use (flush approx. 2 mins.)	12,600 gallons (47,696 liters)
High Flow Series Twin 2XX Manifold	2	3.34 gpm (12.6 lpm)	Flush 7.0 gals through cartridge(s) before use (flush approx. 2 mins.)	25,200 gallons (95,392 liters)
High Flow Series Triple 3XX Manifold	3	5.01 gpm (19.0 lpm)	Flush 10.0 gals through cartridge(s) before use (flush approx. 2 mins.)	37,800 gallons (143,089 liters)
High Flow Series Single DF1XX Manifold	1	1.67 gpm (6.3 lpm)	Flush 3.34 gals through cartridge(s) before use (flush approx. 2 mins.)	12,600 gallons (47,696 liters)
High Flow Series Twin DF2XX Manifold	2	3.34 gpm (12.6 lpm)	Flush 7.0 gals through cartridge(s) before use (flush approx. 2 mins.)	25,200 gallons (95,392 liters)
High Flow Series Single DP1XX Manifold	1	1.67 gpm (6.3 lpm)	Flush 3.34 gals through cartridge(s) before use (flush approx. 2 mins.)	12,600 gallons (47,696 liters)
High Flow Series Twin DP2XX Manifold	2	3.34 gpm (12.6 lpm)	Flush 7.0 gals through cartridge(s) before use (flush approx. 2 mins.)	25,200 gallons (95,392 liters)
High Flow Series Triple DP3XX Manifold	3	5.01 gpm (19.0 lpm)	Flush 10.0 gals through cartridge(s) before use (flush approx. 2 mins.)	37,800 gallons (143,089 liters)
High Flow Series Single SF1XX Manifold	1	1.67 gpm (6.3 lpm)	Flush 3.34 gals through cartridge(s) before use (flush approx. 2 mins.)	12,600 gallons (47,696 liters)
High Flow Series DIDF2XX Manifold	2	3.34 gpm (12.6 lpm)	Flush 7.0 gals through cartridge(s) before use (flush approx. 2 mins.)	25,200 gallons (95,392 liters)



Performance Data Sheet

Model: High Flow Series/HF40 and HF40-S

Use Replacement Cartridge HF40 or HF40-S
 The concentration of the indicated substances in water entering the system was reduced to a concentration less than or equal to the permissible limit for water leaving the system as specified in NSF/ANSI Standard 42, Standard 53 and CSA B483.1.



System tested and certified by NSF International against NSF/ANSI Standard 42, Standard 53 and CSA B483.1 for the reduction of substances as listed below.

Capacity: See chart on next page.
 Contaminant Reduction: Determined by NSF testing.

Substance Reduction	Average Influent	NSF/ANSI specified Challenge Concentration	Avg. % Reduction	Average Product Water Concentration	Max Permissible Product Water Concentration	NSF/ANSI Requirements	NSF Test Report
Chlorine Taste and Odor	1.9 mg/L	2.0 mg/L ± 10%	96.8%	0.06 mg/L	N/A	≥ 50%	J-00215320
Nominal Particulate Class I, ≥ 0.5 µm to ≤ 1.0 µm	4,066,667 pbs/mL	At least 10,000 particles/mL	99.9%	2665 pbs/ml	N/A	≥ 85%	J-00125785
Cyst*	120,000 cysts/L	Minimum 50,000 cysts/L	99.98%	13 cysts/L	N/A	≥ 99.95%	J-00125784

* Based on the use of *Cryptosporidium parvum* oocysts

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Application Guidelines/Water Supply Parameters	
Service Flow	See chart on next page
Water Supply	Potable Water
Water Pressure	25 - 125 psi (172 – 862 kPa)
Water Temperature	40° F - 100° F (4.4° C - 38° C)

It is essential that the manufacturer's recommended installation, maintenance and filter replacement requirements be carried out for the product to perform as advertised. See System Installation Manual for Warranty information.

Note: While the testing was performed under standard laboratory conditions, actual performance may vary.

Replacement Cartridge: HF40 or HF40-S. For estimated costs of replacement elements please call 866.990.9785 or visit our website at www.3Mpurification.com.

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WARNING

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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 may contain filterable cysts.

NOTICE

To reduce the risk associated with water leakage or flooding:

- Read and follow Use instructions before installation and use of this system.
- Change the disposable filter cartridge at the recommended interval; the disposable filter cartridge MUST be replaced every 12 months or sooner.
- Failure to replace the disposable filter cartridge at recommended intervals may lead to reduced filter performance and failure of the filter, causing property damage from water leakage or flooding.

Performance Data Sheet
Model: High Flow Series/HF40 and HF40-S
 Use Replacement Cartridge HF40 or HF40-S

HF40 and HF40-S Cartridge Flow and Capacity Information

Head & Manifold	# of Cartridges	Flow Rate	Flush Instruction	Capacity
NH3 Series Head	1	2.5 gpm (9.5 lpm)	Flush 5.0 gals through cartridge(s) before use (flush approx. 2 mins.)	25,000 gallons (94,635 liters)
VH3 Series Head	1	2.5 gpm (9.5 lpm)	Flush 5.0 gals through cartridge(s) before use (flush approx. 2 mins.)	25,000 gallons (94,635 liters)
High Flow Series Twin 2XX Manifold	2	5.0 gpm (19.0 lpm)	Flush 10.0 gals through cartridge(s) before use (flush approx. 2 mins.)	50,000 gallons (189,270 liters)
High Flow Series Triple 3XX Manifold	3	7.5 gpm (28.4 lpm)	Flush 15 gals through cartridge(s) before use (flush approx. 2 mins.)	75,000 gallons (283,905 liters)
High Flow Series Single DF-1XX Manifold	1	2.5 gpm (9.5 lpm)	Flush 5.0 gals through cartridge(s) before use (flush approx. 2 mins.)	25,000 gallons (94,635 liters)
High Flow Series Twin DF-2XX Manifold	2	5.0 gpm (19.0 lpm)	Flush 10.0 gals through cartridge(s) before use (flush approx. 2 mins.)	50,000 gallons (189,270 liters)
High Flow Series Single DP-1XX Manifold	1	2.5 gpm (9.5 lpm)	Flush 5.0 gals through cartridge(s) before use (flush approx. 2 mins.)	25,000 gallons (94,635 liters)
High Flow Series Twin DP-2XX Manifold	2	5.0 gpm (19.0 lpm)	Flush 10.0 gals through cartridge(s) before use (flush approx. 2 mins.)	50,000 gallons (189,270 liters)
High Flow Series Triple DP-3XX Manifold	3	7.5 gpm (28.4 lpm)	Flush 15.0 gals through cartridge(s) before use (flush approx. 2 mins.)	75,000 gallons (283,905 liters)
High Flow Series Single SF-1XX Manifold	1	2.5 gpm (9.5 lpm)	Flush 5.0 gals through cartridge(s) before use (flush approx. 2 mins.)	25,000 gallons (94,635 liters)
High Flow Series DIDF-2XX Manifold	2	5.0 gpm (19.0 lpm)	Flush 10.0 gals through cartridge(s) before use (flush approx. 2 mins.)	50,000 gallons (189,270 liters)

Performance Data Sheet

Model: High Flow Series/HF45 and HF45-S

Use Replacement Cartridge HF45 or HF45-S



System tested and certified by NSF International against NSF/ANSI Standard 42 and CSA B483.1 for the reduction of substances as listed below.

The concentration of the indicated substances in water entering the system was reduced to a concentration less than or equal to the permissible limit for water leaving the system as specified in NSF/ANSI Standard 42 and CSA B483.1.

Capacity: See chart on next page.
Contaminant Reduction Determined by NSF testing.

Substance Reduction	Average Influent	NSF/ANSI specified Challenge Concentration	Avg % Reduction	Average Product Water Concentration	Max Permissible Product Water Concentration	NSF Reduction Requirements	NSF Test Report
Chlorine Taste and Odor	2.0 mg/L	2.0 mg/L ± 10%	97.5%	0.05 mg/L	N/A	≥ 50%	J-00089365

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Application Guidelines/Water Supply Parameters
Service Flow
Water Supply
Water Pressure
Water Temperature

It is essential that the manufacturer's recommended installation, maintenance and filter replacement requirements be carried out for the product to perform as advertised. See System Installation Manual for Warranty information.

Note: While the testing was performed under standard laboratory conditions, actual performance may vary.

Replacement Cartridge: HF45 or HF45-S. For estimated costs of replacement elements please call 866.990.9785 or visit our website at www.3Mpurification.com

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- Your water filtration system will withstand up to 125 pounds per square inch (psi) water pressure. If your house water supply pressure is higher than 80 psi, install a pressure reducing valve before installing the water filtration system.

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.

NOTICE

To reduce the risk associated with water leakage or flooding:

- Read and follow Use Instructions before installation and use of this system.
- Change the disposable filter cartridge at the recommended interval; the disposable filter cartridge MUST be replaced every 12 months or sooner.
- Failure to replace the disposable filter cartridge at recommended intervals may lead to reduced filter performance and failure of the filter, causing property damage from water leakage or flooding.

Performance Data Sheet

Model: High Flow Series/HF45 and HF45-S

Use Replacement Cartridge HF45 or HF45-S

HF45 and HF45-S Cartridge Flow and Capacity Information

Head & Manifold	# of Cartridges	Flow Rate	Flush Instructions	Capacity
NH3 Series Head	1	2.1 gpm (7.9 lpm)	Flush 5.0 gals through cartridge(s) before use (flush approx. 2 mins.)	25,000 gallons (94,635 liters)
VH3 Series Head	1	2.1 gpm (7.9 lpm)	Flush 5.0 gals through cartridge(s) before use (flush approx. 2 mins.)	25,000 gallons (94,635 liters)
High Flow Series Twin 2XX Manifold	2	4.2 gpm (15.9 lpm)	Flush 10.0 gals through cartridge(s) before use (flush approx. 2 mins.)	50,000 gallons (189,271 liters)
High Flow Series Triple 3XX Manifold	3	6.3 gpm (23.8 lpm)	Flush 15 gals through cartridge(s) before use (flush approx. 2 mins.)	75,000 gallons (283,906 liters)
High Flow Series Single DF1XX Manifold	1	2.1 gpm (7.9 lpm)	Flush 5.0 gals through cartridge(s) before use (flush approx. 2 mins.)	25,000 gallons (94,635 liters)
High Flow Series Twin DF2XX Manifold	2	4.2 gpm (15.9 lpm)	Flush 10.0 gals through cartridge(s) before use (flush approx. 2 mins.)	50,000 gallons (189,271 liters)
High Flow Series Single DP1XX Manifold	1	2.1 gpm (7.9 lpm)	Flush 5.0 gals through cartridge(s) before use (flush approx. 2 mins.)	25,000 gallons (94,635 liters)
High Flow Series Twin DP2XX Manifold	2	4.2 gpm (15.9 lpm)	Flush 10.0 gals through cartridge(s) before use (flush approx. 2 mins.)	50,000 gallons (189,271 liters)
High Flow Series Triple DP3XX Manifold	3	6.3 gpm (23.8 lpm)	Flush 15.0 gals through cartridge(s) before use (flush approx. 2 mins.)	75,000 gallons (283,906 liters)
High Flow Series Single SF1XX Manifold	1	2.1 gpm (7.9 lpm)	Flush 5.0 gals through cartridge(s) before use (flush approx. 2 mins.)	25,000 gallons (94,635 liters)
High Flow Series DIDF2XX Manifold	2	4.2 gpm (15.9 lpm)	Flush 10.0 gals through cartridge(s) before use (flush approx. 2 mins.)	50,000 gallons (189,271 liters)

Performance Data Sheet

Model: High Flow Series/ HF60 and HF60-S

Use Replacement Cartridge: HF60 or HF60-S



System tested and certified by NSF International against NSF/ANSI Standard 42, Standard 53 and CSA B483.1 for the reduction of substances as listed below.

The concentration of the indicated substances in water entering the system was reduced to a concentration less than or equal to the permissible limit for water leaving the system as specified in NSF/ANSI Standard 42, Standard 53 and CSA B483.1.

Capacity: See chart on next page.
Contaminant Reduction Determined by NSF testing.

Contaminant Reduction	Average Influent	NSF/ANSI specified Challenge Concentration	Avg % Reduction	Average Product Water Concentration	Max Permissible Product Water Concentration	NSF/ANSI Reduction Requirements	NSF Test Report
Chlorine Taste and Odor	2.0 mg/L	2.0 mg/L ± 10%	97.5%	0.05 mg/L	N/A	≥ 50%	J-00120457
Nominal Particulate Class I, 0.5 ≤ 1.0 µm	4,066,667 pts/mL	At least 10,000 particles/mL	99.9%	2565 pts/mL	N/A	≥ 85%	J-00125785
Cyst* * Based on the use of <i>Cryptosporidium parvum</i> oocysts	120,000 cysts/L	Minimum 50,000 cysts/L	99.98%	13 cysts/L	N/A	≥ 99.95%	J-00125784

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Application Guidelines	Water Supply Parameters
Service Flow	See chart on next page
Water Supply	Potable Water
Water Pressure	25-125 psi (172 - 862 kPa)
Water Temperature	40° F - 100° F (4.4° C - 38° C)

It is essential that the manufacturer's recommended installation, maintenance and filter replacement requirements be carried out for the product to perform as advertised. See System Installation Manual for Warranty information.

Note: While the testing was performed under standard laboratory conditions, actual performance may vary.

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NOTICE

To reduce the risk associated with water leakage or flooding:

- Read and follow Use Instructions before installation and use of this system.
- Change the disposable filter cartridge at the recommended interval; the disposable filter cartridge MUST be replaced every 12 months or sooner.
- Failure to replace the disposable filter cartridge at recommended intervals may lead to reduced filter performance and failure of the filter, causing property damage from water leakage or flooding.

Performance Data Sheet
Model: High Flow Series/HF60 and HF60-S
 Use Replacement Cartridge HF60 or HF60-S

HF60 and HF60-S Cartridge Flow and Capacity Information

Head & Manifold	# of Cartridges	Flow Rate	Flush Instructions	Capacity
NH3 Series Head	1	3.34 gpm (12.6 lpm)	Flush 7.0 gals through cartridge(s) before use (flush approx. 2 mins.)	35,000 gallons (132,475 liters)
VH3 Series Head	1	3.34 gpm (12.6 lpm)	Flush 7.0 gals through cartridge(s) before use (flush approx. 2 mins.)	35,000 gallons (132,475 liters)
High Flow Series Twin 2XX Manifold	2	6.68 gpm (25.3 lpm)	Flush 13.5 gals through cartridge(s) before use (flush approx. 2 mins.)	70,000 gallons (264,950 liters)
High Flow Series Triple 3XX Manifold	3	10.02 gpm (37.9 lpm)	Flush 20.1 gals through cartridge(s) before use (flush approx. 2 mins.)	105,000 gallons (397,425 liters)
High Flow Series Single DF1XX Manifold	1	3.34 gpm (12.6 lpm)	Flush 7.0 gals through cartridge(s) before use (flush approx. 2 mins.)	35,000 gallons (132,475 liters)
High Flow Series Twin DF2XX Manifold	2	6.68 gpm (25.3 lpm)	Flush 13.5 gals through cartridge(s) before use (flush approx. 2 mins.)	70,000 gallons (264,950 liters)
High Flow Series Single DP1XX Manifold	1	3.34 gpm (12.6 lpm)	Flush 7.0 gals through cartridge(s) before use (flush approx. 2 mins.)	35,000 gallons (132,475 liters)
High Flow Series Twin DP2XX Manifold	2	6.68 gpm (25.3 lpm)	Flush 13.5 gals through cartridge(s) before use (flush approx. 2 mins.)	70,000 gallons (264,950 liters)
High Flow Series Triple DP3XX Manifold	3	10.02 gpm (37.9 lpm)	Flush 20.1 gals through cartridge(s) before use (flush approx. 2 mins.)	105,000 gallons (397,425 liters)
High Flow Series Single SF1XX Manifold	1	3.34 gpm (12.6 lpm)	Flush 7.0 gals through cartridge(s) before use (flush approx. 2 mins.)	35,000 gallons (132,475 liters)
High Flow Series DIF2XX Manifold	2	6.68 gpm (25.3 lpm)	Flush 13.5 gals through cartridge(s) before use (flush approx. 2 mins.)	70,000 gallons (264,950 liters)

Performance Data Sheet

Model: High Flow Series HF65 and HF65-S

Use Replacement Cartridge HF65 or HF65-S



System tested and certified by NSF International against NSF/ANSI Standard 42 and CSA B483.1 for the reduction of substances as listed below.

The concentration of the indicated substances in water entering the system was reduced to a concentration less than or equal to the permissible limit for water leaving the system as specified in NSF/ANSI Standard 42 and CSA B483.1.

Capacity: See chart on next page.
Contaminant Reduction Determined by NSF testing.

Contaminant Reduction	Average Influent	NSF/ANSI specified Challenge Concentration	Avg % Reduction	Average Product Water Concentration	Max Permissible Product Water Concentration	NSF Reduction Requirements	NSF Test Report
Chlorine Taste and Odor	1.9 mg/L	2.0 mg/L \pm 10%	91.1%	0.17 mg/L	N/A	\geq 50%	J-00177374

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Application Guidelines/Water Supply Parameters	
Service Flow	See chart on next page
Water Supply	Potable Water
Water Pressure	25-125 psi (172 - 862 kPa)
Water Temperature	40° F - 100° F (4.4° C - 38° C)

It is essential that the manufacturer's recommended installation, maintenance and filter replacement requirements be carried out for the product to perform as advertised. See System Installation Manual for Warranty information.

Note: While the testing was performed under standard laboratory conditions, actual performance may vary.

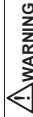
Replacement Cartridge: HF65 or HF65-S. For estimated costs of replacement elements please call 866.990.9785 or visit our website at www.3Mpurification.com

Parts and service available from:



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400 Research Parkway
Meriden, CT 06450, U.S.A.
Tel (866) 990-9785
(203) 237-5541
Fax (203) 238-8701
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WARNING
Read entire manual. Failure to follow all guides and rules could cause personal injury or property damage.

- Check with your local public works department for plumbing codes. You must follow their guidelines as you install the water filtration system.
- Your water filtration system will withstand up to 125 pounds per square inch (psi) water pressure. If your house water supply pressure is higher than 80 psi, install a pressure reducing valve before installing the water filtration system.
- 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.

NOTICE

To reduce the risk associated with water leakage or flooding:

- Read and follow Use Instructions before installation and use of this system.
- Change the disposable filter cartridge at the recommended interval; the disposable filter cartridge MUST be replaced every 12 months or sooner.
- Failure to replace the disposable filter cartridge at recommended intervals may lead to reduced filter performance and failure of the filter, causing property damage from water leakage or flooding.

Performance Data Sheet
Model: High Flow Series HF65 and HF65-S
 Use Replacement Cartridge HF65 or HF 65-S

HF65 and H65-S Cartridge Flow and Capacity Information

Head & Manifold	# of Cartridges	Flow Rate	Flush Instruction	Capacity
NH3 Series Head	1	3.34 gpm (12.64 lpm)	Flush 7.0 gals through cartridge(s) before use (flush approx. 2 mins.)	35,000 gallons (132,489 liters)
VH3 Series Head	1	3.34 gpm (12.64 lpm)	Flush 7.0 gals through cartridge(s) before use (flush approx. 2 mins.)	35,000 gallons (132,489 liters)
High Flow Series Twin 2XX Manifold	2	6.68 gpm (25.28 lpm)	Flush 13.5 gals through cartridge(s) before use (flush approx. 2 mins.)	70,000 gallons (264,979 liters)
High Flow Series Triple 3XX Manifold	3	10.02 gpm (37.92 lpm)	Flush 20.1 gals through cartridge(s) before use (flush approx. 2 mins.)	105,000 gallons (397,468 liters)
High Flow Series Single DF1XX Manifold	1	3.34 gpm (12.64 lpm)	Flush 7.0 gals through cartridge(s) before use (flush approx. 2 mins.)	35,000 gallons (132,489 liters)
High Flow Series Twin DF2XX Manifold	2	6.68 gpm (25.28 lpm)	Flush 13.5 gals through cartridge(s) before use (flush approx. 2 mins.)	70,000 gallons (264,979 liters)
High Flow Series Single DP1XX Manifold	1	3.34 gpm (12.64 lpm)	Flush 7.0 gals through cartridge(s) before use (flush approx. 2 mins.)	35,000 gallons (132,489 liters)
High Flow Series Twin DP2XX Manifold	2	6.68 gpm (25.28 lpm)	Flush 13.5 gals through cartridge(s) before use (flush approx. 2 mins.)	70,000 gallons (264,979 liters)
High Flow Series Triple DP3XX Manifold	3	10.02 gpm (37.92 lpm)	Flush 20.1 gals through cartridge(s) before use (flush approx. 2 mins.)	105,000 gallons (397,468 liters)
High Flow Series Single SF1XX Manifold	1	3.34 gpm (12.64 lpm)	Flush 7.0 gals through cartridge(s) before use (flush approx. 2 mins.)	35,000 gallons (132,489 liters)
High Flow Series DIF2XX Manifold	2	6.68 gpm (25.28 lpm)	Flush 13.5 gals through cartridge(s) before use (flush approx. 2 mins.)	70,000 gallons (264,979 liters)

Performance Data Sheet

Model: High Flow Series/ HF60-CL and HF60-CLS

Use Replacement Cartridge: HF60-CL and HF60-CLS



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

The concentration of the indicated substances in water entering the system was reduced to a concentration less than or equal to the permissible limit for water leaving the system as specified in NSF/ANSI Standard 42, Standard 53 and CSA B483.1.

Contaminant Reduction Determined by NSF testing.

Substance Reduction	Average Influent Concentration	NSF specified Challenge Concentration	Avg % Reduction	Average Product Water Concentration	Max Permissible Product Water Concentration	NSF Reduction Requirements	NSF Test Report
Nominal Particulate Class I, ≥ 0.5 to < 1.0 μm	4,066,667 pps/mL	At least 10,000 particles/mL	99.9%	2,565 pps/mL	N/A	$\geq 85\%$	J-00125785
Cyst*	120,000 cysts/L	Minimum 50,000 cysts/L	99.98%	13 cyst/L	N/A	$\geq 99.95\%$	J-00125784

* Based on the use of *Cryptosporidium parvum* oocysts

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Application Guidelines/Water Supply Parameters

Service Flow	See chart on next page
Water Supply	Potable Water
Water Pressure	25 - 125 psi (172 - 862 kPa)
Water Temperature	40° F - 100° F (4.4° C - 38° C)

It is essential that the manufacturer's recommended installation, maintenance and filter replacement requirements be carried out for the product to perform as advertised. See System Installation Manual for Warranty information.

Note: While the testing was performed under standard laboratory conditions, actual performance may vary.

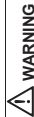
Replacement Cartridge: HF60-CL and HF60-CLS. For estimated costs of replacement elements please call 866.990.9785 or visit our website at www.3Mpurification.com

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- Your water filtration system will withstand up to 125 pounds per square inch (psi) water pressure. If your house water supply pressure is higher than 80 psi, install a pressure reducing valve before installing the water filtration system.

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 may contain filterable cysts.

NOTICE

To reduce the risk associated with water leakage or flooding:

- Read and follow Use Instructions before installation and use of this system.
- Change the disposable filter cartridge at the recommended interval; the disposable filter cartridge **MUST** be replaced every 12 months or sooner.
- Failure to replace the disposable filter cartridge at recommended intervals may lead to reduced filter performance and failure of the filter, causing property damage from water leakage or flooding.

Performance Data Sheet
Model: High Flow Series/ HF60-CL and HF60-CLS
 Use Replacement Cartridge HF60-CL or HF60-CLS

HF60-CL and HF60-CLS Cartridge Flow and Capacity Information

Head & Manifold	# of Cartridges	Flow Rate	Flush Instruction	Capacity
NH3 Series Head	1	2.2 gpm (8.3 lpm)	Flush 7.0 gals through cartridge(s) before use	4,700 gallons (17,790 liters)
VH3 Series Head	1	2.2 gpm (8.3 lpm)	Flush 7.0 gals through cartridge(s) before use	4,700 gallons (17,790 liters)
High Flow Series Twin 2XX Manifold	2	4.4 gpm (16.6 liters)	Flush 13.5 gals through cartridge(s) before use	9,400 gallons (35,580 liters)
High Flow Series Triple 3XX Manifold	3	6.6 gpm (24.9 liters)	Flush 20.1 gals through cartridge(s) before use	14,100 gallons (53,370 liters)
High Flow Series Single DF1XX Manifold	1	2.2 gpm (8.3 lpm)	Flush 7.0 gals through cartridge(s) before use	4,700 gallons (17,790 liters)
High Flow Series Twin DF2XX Manifold	2	4.4 gpm (16.6 liters)	Flush 13.5 gals through cartridge(s) before use	9,400 gallons (35,580 liters)
High Flow Series Single DP1XX Manifold	1	2.2 gpm (8.3 lpm)	Flush 7.0 gals through cartridge(s) before use	4,700 gallons (17,790 liters)
High Flow Series Twin DP2XX Manifold	2	4.4 gpm (16.6 liters)	Flush 13.5 gals through cartridge(s) before use	9,400 gallons (35,580 liters)
High Flow Series Triple DP3XX Manifold	3	6.6 gpm (24.9 liters)	Flush 20.1 gals through cartridge(s) before use	14,100 gallons (53,370 liters)
High Flow Series Single SF1XX Manifold	1	2.2 gpm (8.3 lpm)	Flush 7.0 gals through cartridge(s) before use	4,700 gallons (17,790 liters)
High Flow Series DIDF2XX Manifold	2	4.4 gpm (16.6 liters)	Flush 13.5 gals through cartridge(s) before use	9,400 gallons (35,580 liters)

Performance Data Sheet

Model: High Flow Series/ HF65-CL

Use Replacement Cartridge: HF65-CL



System tested and certified by NSF International against NSF/ANSI Standard 42 and CSA B483.1 for the reduction of substances as listed below.

The concentration of the indicated substances in water entering the system was reduced to a concentration less than or equal to the permissible limit for water leaving the system as specified in NSF/ANSI Standard 42 and CSA B483.1.

Capacity: See chart on next page.
Contaminant Reduction Determined by NSF Testing

Contaminant Reduction	Average Influent	NSF/ANSI specified Challenge Concentration	Avg % Reduction	Average Product Water Concentration	Max Permissible Product Water Concentration	NSF Reduction Requirements	NSF Test Report
Nominal Particulate Class V, $\geq 30.0 \mu\text{m}$ to $\leq 1.0 \mu\text{m}$	6,133 pps/mL	At least 1,000 particles/mL	97.4%	159 pps/mL	N/A	$\geq 85\%$	J-00099135
Chlorine Taste and Odor	2.1 mg/L	2.0 mg/L $\pm 10\%$	97.6%	0.05 mg/L	N/A	$\geq 50\%$	J-00097231
Chloramine @ 2.1 ppm	3.1 mg/L	3.0 mg/L $\pm 10\%$	95.2%	0.13 mg/L	0.5 mg/L	N/A	J-00112392
Chloramine @ 1.7 ppm	3.0 mg/L	3.0 mg/L $\pm 10\%$	94.5%	0.17 mg/L	0.5 mg/L	N/A	J-00112394
Chloramine @ 1.0 ppm	3.0 mg/L	3.0 mg/L $\pm 10\%$	92.8%	0.17 mg/L	0.5 mg/L	N/A	J-00112395

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Application Guidelines/Water Supply Parameters:

Service Flow	See chart on next page
Water Supply	Potable Water
Water Pressure	25 -125 psi (172 – 862 kPa)
Water Temperature	40° F - 100° F (4.4° C - 38° C)
Capacity:	
Capacity @ 2.1 gpm	7,000 gallons (26,498 liters)
Capacity @ 1.7 gpm	8,000 gallons (30,283 liters)
Capacity @ 1.0 gpm	15,000 gallons (56,781 liters)

It is essential that the manufacturer's recommended installation, maintenance and filter replacement requirements be carried out for the product to perform as advertised. See System Installation Manual for Warranty information.

Note: While the testing was performed under standard laboratory conditions, actual performance may vary.

Replacement Cartridge: HF65-CL. For estimated costs of replacement elements please call 866.990.9785 or visit our website at www.3Mpurification.com

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WARNING

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- 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.

NOTICE

- To reduce the risk associated with water leakage or flooding:
- Read and follow Use Instructions before installation and use of this system.
 - Change the disposable filter cartridge at the recommended interval; the disposable filter cartridge MUST be replaced every 12 months or sooner.
 - Failure to replace the disposable filter cartridge at recommended intervals may lead to reduced filter performance and failure of the filter, causing property damage from water leakage or flooding.

Performance Data Sheet

Model: High Flow Series/ HF65-CL

Use Replacement Cartridge HF65-CL

HF65-CL Cartridge Flow and Capacity Information

Head & Manifold	# of Cartridges	Flow Rate		Flush Instructions	Capacity
NH3 Series Head	1	2.1 gpm (7.9 lpm)	7.0 gpm (26.498 liters)	Flush 7.0 gallons through cartridge(s) before use	7,000 gallons (26,498 liters)
		1.7 gpm (6.4 lpm)	8,000 gallons (30,283 liters)		8,000 gallons (30,283 liters)
		1.0 gpm (3.8 lpm)	15,000 gallons (56,781 liters)		15,000 gallons (56,781 liters)
VH3 Series Head	1	2.1 gpm (7.9 lpm)	7.0 gpm (26.498 liters)	Flush 7.0 gallons through cartridge(s) before use	7,000 gallons (26,498 liters)
		1.7 gpm (6.4 lpm)	8,000 gallons (30,283 liters)		8,000 gallons (30,283 liters)
		1.0 gpm (3.8 lpm)	15,000 gallons (56,781 liters)		15,000 gallons (56,781 liters)
High Flow Series Twin 2XX Manifold	2	4.2 gpm (15.9 lpm)	13.5 gallons through cartridge(s) before use	Flush 13.5 gallons through cartridge(s) before use	14,000 gallons (52,996 liters)
		3.4 gpm (12.9 lpm)	16,000 gallons (60,567 liters)		16,000 gallons (60,567 liters)
		2.0 gpm (7.6 lpm)	30,000 gallons (113,562 liters)		30,000 gallons (113,562 liters)
High Flow Series Triple 3XX Manifold	3	6.3 gpm (23.8 lpm)	20.1 gallons through cartridge(s) before use	Flush 20.1 gallons through cartridge(s) before use	21,000 gallons (79,494 liters)
		5.1 gpm (19.3 lpm)	24,000 gallons (90,850 liters)		24,000 gallons (90,850 liters)
		3.0 gpm (11.4 lpm)	45,000 gallons (170,344 liters)		45,000 gallons (170,344 liters)
High Flow Series Single DF1XX Manifold	1	2.1 gpm (7.9 lpm)	7.0 gallons through cartridge(s) before use	Flush 7.0 gallons through cartridge(s) before use	7,000 gallons (26,498 liters)
		1.7 gpm (6.4 lpm)	8,000 gallons (30,283 liters)		8,000 gallons (30,283 liters)
		1.0 gpm (3.8 lpm)	15,000 gallons (56,781 liters)		15,000 gallons (56,781 liters)
High Flow Series Twin DF2XX Manifold	2	4.2 gpm (15.9 lpm)	13.5 gallons through cartridge(s) before use	Flush 13.5 gallons through cartridge(s) before use	14,000 gallons (52,996 liters)
		3.4 gpm (12.9 lpm)	16,000 gallons (60,567 liters)		16,000 gallons (60,567 liters)
		2.0 gpm (7.6 lpm)	30,000 gallons (113,562 liters)		30,000 gallons (113,562 liters)
High Flow Series Single DP1XX Manifold	1	2.1 gpm (7.9 lpm)	7.0 gallons through cartridge(s) before use	Flush 7.0 gallons through cartridge(s) before use	7,000 gallons (26,498 liters)
		1.7 gpm (6.4 lpm)	8,000 gallons (30,283 liters)		8,000 gallons (30,283 liters)
		1.0 gpm (3.8 lpm)	15,000 gallons (56,781 liters)		15,000 gallons (56,781 liters)
High Flow Series Twin DP2XX Manifold	2	4.2 gpm (15.9 lpm)	13.5 gallons through cartridge(s) before use	Flush 13.5 gallons through cartridge(s) before use	14,000 gallons (52,996 liters)
		3.4 gpm (12.9 lpm)	16,000 gallons (60,567 liters)		16,000 gallons (60,567 liters)
		2.0 gpm (7.6 lpm)	30,000 gallons (113,562 liters)		30,000 gallons (113,562 liters)
High Flow Series Triple DP3XX Manifold	3	6.3 gpm (23.8 lpm)	20.1 gallons through cartridge(s) before use	Flush 20.1 gallons through cartridge(s) before use	21,000 gallons (79,494 liters)
		5.1 gpm (19.3 lpm)	24,000 gallons (90,850 liters)		24,000 gallons (90,850 liters)
		3.0 gpm (11.4 lpm)	45,000 gallons (170,344 liters)		45,000 gallons (170,344 liters)
High Flow Series Single SF1XX Manifold	1	2.1 gpm (7.9 lpm)	7.0 gallons through cartridge(s) before use	Flush 7.0 gallons through cartridge(s) before use	7,000 gallons (26,498 liters)
		1.7 gpm (6.4 lpm)	8,000 gallons (30,283 liters)		8,000 gallons (30,283 liters)
		1.0 gpm (3.8 lpm)	15,000 gallons (56,781 liters)		15,000 gallons (56,781 liters)
High Flow Series DIF2XX Manifold	2	4.2 gpm (15.9 lpm)	13.5 gallons through cartridge(s) before use	Flush 13.5 gallons through cartridge(s) before use	14,000 gallons (52,996 liters)
		3.4 gpm (12.9 lpm)	16,000 gallons (60,567 liters)		16,000 gallons (60,567 liters)
		2.0 gpm (7.6 lpm)	30,000 gallons (113,562 liters)		30,000 gallons (113,562 liters)

Performance Data Sheet

Model: High Flow Series/HF90-CL and HF90-CLS

Use Replacement Cartridge HF90-CL and HF90-CLS
 The concentration of the indicated substances in water entering the system was reduced to a concentration less than or equal to the permissible limit for water leaving the system as specified in NSF/ANSI Standard 42, Standard 53 and CSA B483.1.



System tested and certified by NSF International against NSF/ANSI Standard 42, Standard 53 and CSA B483.1 for the reduction of substances as listed below.

Capacity: See chart on next page.
 Contaminant Reduction Determined by NSF testing.

Substance Reduction	Average Influent	NSF/ANSI specified Challenge Concentration	Avg. % Reduction	Average Product Water Concentration	Max Permissible Product Water Concentration	NSF/ANSI Reduction Requirements	NSF Test Report
Chlorine Taste and Odor	2.9 mg/L	2.0 mg/L ± 10%	95.5%	0.13 mg/L	N/A	≥ 50%	J-00145563
Nominal Particulate Class I, 0.5 ≤ 1.0 µm	4,066,667 pts/ml	At least 10,000 particles/ml	99.9%	2565 pts/ml	N/A	≥ 85%	J-00125785
Chloramine	2.9 mg/L	2.0 mg/L ± 10%	95.5%	0.13 mg/L	N/A	≥ 50%	J-00145563
Cyst*	120,000 cysts/L	Minimum 50,000 cysts/L	99.98%	13 cysts/L	N/A	≥ 99.95%	J-00125784
Turbidity	11.5 NTU	11 ± 1 NTU	98.4%	0.19 NTU	0.5 NTU	N/A	J-00110254

* Based on the use of *Cryptosporidium parvum* oocysts

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Application Guidelines/Water Supply Parameters

Service Flow	See chart on next page
Water Supply	Potable Water
Water Pressure	25 -125 psi (172 - 862 kPa)
Water Temperature	40° F - 100° F (4.4° C - 38° C)

It is essential that the manufacturer's recommended installation, maintenance and filter replacement requirements be carried out for the product to perform as advertised. See System Installation Manual for Warranty Information.

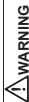
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Replacement Cartridge: HF90-CL and HF90-CLS. For estimated costs of replacement elements please call 866.990.9785 or visit our website at www.3Mpurification.com

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- Your water filtration system will withstand up to 125 pounds per square inch (psi) water pressure. If your house water supply pressure is higher than 80 psi, install a pressure reducing valve before installing the water filtration system.

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NOTICE

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- Read and follow Use Instructions before installation and use of this system.
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- Failure to replace the disposable filter cartridge at recommended intervals may lead to reduced filter performance and failure of the filter, causing property damage from water leakage or flooding.

Performance Data Sheet
Model: High Flow Series/HF90-CL and HF90-CLS
 Use Replacement Cartridge HF90-CL or HF90-CLS

HF90-CL and HF90-CLS Cartridge Flow and Capacity Information

Head & Manifold	# of Cartridges	Flow Rate	Flush Instruction	Capacity
NH3 Series Head	1	1.33 gpm (5.0 lpm)	Flush 10.0 gals through cartridge(s) before use	12,500 gallons (47,317 liters)
VH3 Series Head	1	1.33 gpm (5.0 lpm)	Flush 10.0 gals through cartridge(s) before use	12,500 gallons (47,317 liters)
High Flow Series Twin 2XX Manifold	2	2.66 gpm (10.1 lpm)	Flush 20.0 gals through cartridge(s) before use	25,000 gallons (94,635 liters)
High Flow Series Triple 3XX Manifold	3	3.99 gpm (15.1 lpm)	Flush 30.0 gals through cartridge(s) before use	37,500 gallons (141,952 liters)
High Flow Series Single DF1XX Manifold	1	1.33 gpm (5.0 lpm)	Flush 10.0 gals through cartridge(s) before use	12,500 gallons (47,317 liters)
High Flow Series Twin DF2XX Manifold	2	2.66 gpm (10.1 lpm)	Flush 20.0 gals through cartridge(s) before use	25,000 gallons (94,635 liters)
High Flow Series Single DP1XX Manifold	1	1.33 gpm (5.0 lpm)	Flush 10.0 gals through cartridge(s) before use	12,500 gallons (47,317 liters)
High Flow Series Twin DP2XX Manifold	2	2.66 gpm (10.1 lpm)	Flush 20.0 gals through cartridge(s) before use	25,000 gallons (94,635 liters)
High Flow Series Triple DP3XX Manifold	3	3.99 gpm (15.1 lpm)	Flush 30.0 gals through cartridge(s) before use	37,500 gallons (141,952 liters)
High Flow Series Single SF1XX Manifold	1	1.33 gpm (5.0 lpm)	Flush 10.0 gals through cartridge(s) before use	12,500 gallons (47,317 liters)
High Flow Series DIF2XX Manifold	2	2.66 gpm (10.1 lpm)	Flush 20.0 gals through cartridge(s) before use	25,000 gallons (94,635 liters)

Performance Data Sheet

Model: High Flow Series/HF95-CL

Use Replacement Cartridge HF95-CL



System tested and certified by NSF International against NSF/ANSI Standard 42 and CSA B483.1 for the reduction of substances as specified below.

The concentration of the indicated substances in water entering the system was reduced to a concentration less than or equal to the permissible limit for water leaving the system as specified in NSF/ANSI Standard 42 and CSA B483.1.

Capacity: See chart on next page.
Contaminant Reduction Determined by NSF testing

Contaminant Reduction	Average Infiltrant	NSF specified Challenge Concentration	Avg % Reduction	Average Product Water Concentration	Max Permissible Product Water Concentration	NSF Reduction Requirements	NSF Test Report
Chlorine Taste and Odor	2.1 mg/L	2.0 mg/L ± 10%	97.6%	0.05 mg/L	N/A	≥ 50%	J-00097231
Nominal Particulate Class V ≥ 30.0 µm to ≤ 1.0 µm	6,133 pps/mL	At least 1,000 particles/mL	97.4%	159 pts/mL	N/A	≥ 85%	J-00099135

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Application Guidelines/Water Supply Parameters	
Service Flow	See chart on next page
Water Supply	Potable Water
Water Pressure	25 - 125 psi (172 - 862 kPa)
Water Temperature	40° F - 100° F (4.4° C - 37.8° C)

It is essential that the manufacturer's recommended installation, maintenance and filter replacement requirements be carried out for the product to perform as advertised. See System Installation Manual for Warranty information.

Note: While the testing was performed under standard laboratory conditions, actual performance may vary.

Replacement Cartridge: HF95-CL. For estimated costs of replacement elements please call 1-800-222-7880 or visit our website at www.3Mpurification.com

Parts and service available from:



3M Purification Inc.
400 Research Parkway
Meriden, CT 06450, U.S.A.
Tel (866) 990-9785
Tel (203) 237-5541
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www.3Mpurification.com

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WARNING
Read entire manual. Failure to follow all guides and rules could cause personal injury or property damage.

- Check with your local public works department for plumbing codes. You must follow their guidelines as you install the water filtration system.
- Your water filtration system will withstand up to 125 pounds per square inch (psi) water pressure. If your house water supply pressure is higher than 80 psi, install a pressure reducing valve before installing the water filtration system.

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.

NOTICE

To reduce the risk associated with water leakage or flooding:

- Read and follow Use Instructions before installation and use of this system.
- Change the disposable filter cartridge at the recommended interval; the disposable filter cartridge MUST be replaced every 12 months or sooner.
- Failure to replace the disposable filter cartridge at recommended intervals may lead to reduced filter performance and failure of the filter, causing property damage from water leakage or flooding.

Performance Data Sheet

Model: High Flow Series/HF95-CL

Use Replacement Cartridge HF95-CL

HF95-CL Cartridge Flow and Capacity Information

Head & Manifold	# of Cartridges	Flow Rate	Flush Instruction	Capacity
NH3 Series Head	1	2.5 gpm (9.5 lpm)	Flush 10.0 gals through cartridge(s) before use	30,000 gallons (113,550 liters)
VH3 Series Head	1	2.5 gpm (9.5 lpm)	Flush 10.0 gals through cartridge(s) before use	30,000 gallons (113,550 liters)
High Flow Series Twin 2XX Manifold	2	5.0 gpm (18.93 lpm)	Flush 20.0 gals through cartridge(s) before use	60,000 gallons (227,100 liters)
High Flow Series Triple 3XX Manifold	3	7.5 gpm (22.5 lpm)	Flush 30.0 gals through cartridge(s) before use	90,000 gallons (340,650 liters)
High Flow Series Single DF1XX Manifold	1	2.5 gpm (9.5 lpm)	Flush 10.0 gals through cartridge(s) before use	30,000 gallons (113,550 liters)
High Flow Series Twin DF2XX Manifold	2	5.0 gpm (18.93 lpm)	Flush 20.0 gals through cartridge(s) before use	60,000 gallons (227,100 liters)
High Flow Series Single DP1XX Manifold	1	2.5 gpm (9.5 lpm)	Flush 10.0 gals through cartridge(s) before use	30,000 gallons (113,550 liters)
High Flow Series Twin DP2XX Manifold	2	5.0 gpm (18.93 lpm)	Flush 20.0 gals through cartridge(s) before use	60,000 gallons (227,100 liters)
High Flow Series Triple DP3XX Manifold	3	7.5 gpm (22.5 lpm)	Flush 30.0 gals through cartridge(s) before use	90,000 gallons (340,650 liters)
High Flow Series Single SF1XX Manifold	1	2.5 gpm (9.5 lpm)	Flush 10.0 gals through cartridge(s) before use	30,000 gallons (113,550 liters)
High Flow Series DIF2XX Manifold	2	5.0 gpm (18.93 lpm)	Flush 20.0 gals through cartridge(s) before use	60,000 gallons (227,100 liters)

Performance Data Sheet

Model: High Flow Series/HF90 and HF90-S

Use Replacement Cartridge HF90 and HF90-S
 The concentration of the indicated substances in water entering the system was reduced to a concentration less than or equal to the permissible limit for water leaving the system as specified in NSF/ANSI Standard 42, Standard 53 and CSA B483.1.



System tested and certified by NSF International against NSF/ANSI Standard 42, Standard 53 and CSA B483.1 for the reduction of substances as listed below...

Capacity: See chart on next page.
 Contaminant Reduction Determined by NSF testing.

Substance Reduction	Average Influent	NSF/ANSI specified Challenge Concentration	Avg % Reduction	Average Product Water Concentration	Max Permissible Product Water Concentration	NSF/ANSI Reduction Requirements	NSF Test Report
Chlorine Taste and Odor	2.0 mg/L	2.0 mg/L ± 10%	96.3%	0.07 mg/L	N/A	≥ 90%	J-00128559
Nominal Particulate Class I, 0.5 ≤ 1.0 µm	4,066,667 pts/mL	At least 10,000 particles/mL	99.9%	2,565 pts/mL	N/A	≥ 85%	J-00125785
Cyst*	120,000 cysts/L	Minimum 50,000 cysts/L	99.98%	13 cysts/L	N/A	≥ 99.95%	J-00125784
Turbidity	11.5 NTU	11 ± 1 NTU	98.4%	0.19 NTU	0.5 NTU	N/A	J-00110254

* Based on the use of Cryptosporidium parvum oocysts

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Application Guidelines/Water Supply Parameters	
Service Flow	See chart on next page
Water Supply	Potable Water
Water Pressure	25-125 psi (1.72 - 862 kPa)
Water Temperature	40° F - 100° F (4° C - 38° C)

It is essential that the manufacturer's recommended installation, maintenance and filter replacement requirements be carried out for the product to perform as advertised. See System Installation Manual for Warranty information.

Note: While the testing was performed under standard laboratory conditions, actual performance may vary.

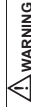
Replacement Cartridge: HF90 and HF90-S. For estimated costs of replacement elements please call 866.990.9785 or visit our website at www.3Mpurification.com

Parts and service available from:



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WARNING
 Read entire manual. Failure to follow all guides and rules could cause personal injury or property damage.

- Check with your local public works department for plumbing codes. You must follow their guidelines as you install the water filtration system.
- Your water filtration system will withstand up to 125 pounds per square inch (psi) water pressure. If your house water supply pressure is higher than 80 psi, install a pressure reducing valve before installing the water filtration system.

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 may contain filterable cysts.

NOTICE

To reduce the risk associated with water leakage or flooding:

- Read and follow Use Instructions before installation and use of this system.
- Change the disposable filter cartridge at the recommended interval; the disposable filter cartridge MUST be replaced every 12 months or sooner.
- Failure to replace the disposable filter cartridge at recommended intervals may lead to reduced filter performance and failure of the filter, causing property damage from water leakage or flooding.

Performance Data Sheet
Model: High Flow Series/HF90 and HF90-S
 Use Replacement Cartridge HF90 or HF90-S

HF90 and HF90-S Flow and Capacity Information

Head & Manifold	# of Cartridges	Flow Rate	Flush Instructions	Capacity
NH3 Series Head	1	5 gpm (18.92 lpm)	Flush 10.0 gals through cartridge(s) before use (flush approx. 2 mins.)	54,000 gallons (204,412 liters)
VH3 Series Head	1	5 gpm (18.92 lpm)	Flush 10.0 gals through cartridge(s) before use (flush approx. 2 mins.)	54,000 gallons (204,412 liters)
High Flow Series Twin 2XX Manifold	2	10 gpm (37.85 lpm)	Flush 20.0 gals through cartridge(s) before use (flush approx. 2 mins.)	108,000 gallons (408,825 liters)
High Flow Series Triple 3XX Manifold	3	15 gpm (56.77 lpm)	Flush 30.0 gals through cartridge(s) before use (flush approx. 2 mins.)	162,000 gallons (613,236 liters)
High Flow Series Single DF1XX Manifold	1	5 gpm (18.92 lpm)	Flush 10.0 gals through cartridge(s) before use (flush approx. 2 mins.)	54,000 gallons (204,412 liters)
High Flow Series Twin DF2XX Manifold	2	10 gpm (37.85 lpm)	Flush 20.0 gals through cartridge(s) before use (flush approx. 2 mins.)	108,000 gallons (408,825 liters)
High Flow Series Single DP1XX Manifold	1	5 gpm (18.92 lpm)	Flush 10.0 gals through cartridge(s) before use (flush approx. 2 mins.)	54,000 gallons (204,412 liters)
High Flow Series Twin DP2XX Manifold	2	10 gpm (37.85 lpm)	Flush 20.0 gals through cartridge(s) before use (flush approx. 2 mins.)	108,000 gallons (408,825 liters)
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High Flow Series Single SF1XX Manifold	1	5 gpm (18.92 lpm)	Flush 10.0 gals through cartridge(s) before use (flush approx. 2 mins.)	54,000 gallons (204,412 liters)
High Flow Series DIF2XX Manifold	2	10 gpm (37.85 lpm)	Flush 20.0 gals through cartridge(s) before use (flush approx. 2 mins.)	108,000 gallons (408,825 liters)

Performance Data Sheet

Model: High Flow Series/HF95 and HF95-S

Use Replacement Cartridge: HF95 or HF95-S

The concentration of the indicated substances in water entering the system was reduced to a concentration less than or equal to the permissible limit for water leaving the system as specified in NSF/ANSI Standard 42 and CSA B483.1.



System tested and certified by NSF International against NSF/ANSI Standard 42 and CSA B483.1 for the reduction of substances as listed below.

Capacity: See chart on next page.
Contaminant Reduction Determined by NSF testing.

Substance Reduction	Average Influent	NSF/ANSI specified Challenge Concentration	Avg % Reduction	Average Product Water Concentration	Max Permissible Product Water Concentration	NSF Reduction Requirements	NSF Test Report
Chlorine Taste and Odor	2.0 mg/L	2.0 mg/L \pm 10%	96.6%	0.07 mg/L	N/A	\geq 50%	J-00089365

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Application Guidelines/Water Supply Parameters

Service Flow	See chart on next page
Water Supply	Potable Water
Water Pressure	25-125 psi (172 - 862 kPa)
Water Temperature	40° F - 100° F (4.4° C - 38° C)

It is essential that the manufacturer's recommended installation, maintenance and filter replacement requirements be carried out for the product to perform as advertised. See System Installation Manual for Warranty information.

Note: While the testing was performed under standard laboratory conditions, actual performance may vary.

Replacement Cartridge: HF95 or HF95-S. For estimated costs of replacement elements please call 866.990.9785 or visit our website at www.3Mpurification.com

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WARNING

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- Check with your local public works department for plumbing codes. You must follow their guidelines as you install the water filtration system.
- Your water filtration system will withstand up to 125 pounds per square inch (psi) water pressure. If your house water supply pressure is higher than 80 psi, install a pressure reducing valve before installing the water filtration system.

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.

NOTICE

To reduce the risk associated with water leakage or flooding:

- Read and follow Use Instructions before installation and use of this system.
- Change the disposable filter cartridge at the recommended interval; the disposable filter cartridge **MUST** be replaced every 12 months or sooner.
- Failure to replace the disposable filter cartridge at recommended intervals may lead to reduced filter performance and failure of the filter, causing property damage from water leakage or flooding.

Performance Data Sheet

Model: High Flow Series/HF95 and HF95-S

Use Replacement Cartridge HF95 or HF95-S

HF95 and HF95-S Cartridge Flow and Capacity Information

Head & Manifold	# of Cartridges	Flow Rate	Flush Instructions	Capacity
NH3 Series Head	1	5 gpm (18.9 lpm)	Flush 10.0 gals through cartridge(s) before use (flush approx. 2 mins.)	54,000 gallons (204,390 liters)
VH3 Series Head	1	5 gpm (18.9 lpm)	Flush 10.0 gals through cartridge(s) before use (flush approx. 2 mins.)	54,000 gallons (204,390 liters)
High Flow Series Twin 2XX Manifold	2	10 gpm (37.9 lpm)	Flush 20.0 gals through cartridge(s) before use (flush approx. 2 mins.)	108,000 gallons (408,780 liters)
High Flow Series Triple 3XX Manifold	3	15 gpm (56.8 lpm)	Flush 30.0 gals through cartridge(s) before use (flush approx. 2 mins.)	162,000 gallons (613,170 liters)
High Flow Series Single DF1XX Manifold	1	5 gpm (18.9 lpm)	Flush 10.0 gals through cartridge(s) before use (flush approx. 2 mins.)	54,000 gallons (204,390 liters)
High Flow Series Twin DF2XX Manifold	2	10 gpm (37.9 lpm)	Flush 20.0 gals through cartridge(s) before use (flush approx. 2 mins.)	108,000 gallons (408,780 liters)
High Flow Series Single DP1XX Manifold	1	5 gpm (18.9 lpm)	Flush 10.0 gals through cartridge(s) before use (flush approx. 2 mins.)	54,000 gallons (204,390 liters)
High Flow Series Twin DP2XX Manifold	2	10 gpm (37.9 lpm)	Flush 20.0 gals through cartridge(s) before use (flush approx. 2 mins.)	108,000 gallons (408,780 liters)
High Flow Series Triple DP3XX Manifold	3	15 gpm (56.8 lpm)	Flush 30.0 gals through cartridge(s) before use (flush approx. 2 mins.)	162,000 gallons (613,170 liters)
High Flow Series Single SF1XX Manifold	1	5 gpm (18.9 lpm)	Flush 10.0 gals through cartridge(s) before use (flush approx. 2 mins.)	54,000 gallons (204,390 liters)
High Flow Series DIDF2XX Manifold	2	10 gpm (37.9 lpm)	Flush 20.0 gals through cartridge(s) before use (flush approx. 2 mins.)	108,000 gallons (408,780 liters)

Performance Data Sheet

Model: High Flow Series/HF20-A020-SR

Use Replacement Cartridge: HF20-A020-SR

The concentration of the indicated substances in water entering the system was reduced to a concentration less than or equal to the permissible limit for water leaving the system as specified in NSF/ANSI Standard 42, Standard 53 and CSA B483.1.



System tested and certified by NSF International against NSF/ANSI Standard 42, Standard 53 and CSA B483.1 for the reduction of substances as listed.

Capacity: See chart on next page.		Contaminant Reduction Determined by NSF testing.					
Substance Reduction	Average Influent	NSF specified Challenge Concentration	Avg % Reduction	Average Product Water Concentration	Max Permissible Product Water Concentration	NSF Reduction Requirements	NSF Test Report
Particulate Class I, ≥0.5 to <1.0 µm	3,433,333 pts/mL	At least 10,000 pts/mL	99.3%	22,100 pts/mL	N/A	≥ 85%	J-003004397
Cyst Reduction*	135,000 cysts/L	Minimum 50,000 cysts/L	99.99%	1 cyst/L	N/A	99.95%	J-003004396

* Based on the use of *Cryptosporidium parvum* oocysts

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Application Guidelines/Water Supply Parameters	
Service Flow	2.0 gpm (7.6 lpm)
Water Supply	Potable Water
Water Pressure	25 - 125 psi (172 - 862 kPa)
Water Temperature	40° F - 100° F (4.4° C - 38° C)

It is essential that the manufacturer's recommended installation, maintenance and filter replacement requirements be carried out for the product to perform as advertised. See System Installation Manual for Warranty information.

Note: While the testing was performed under standard laboratory conditions, actual performance may vary.

Replacement Cartridge: HF20-A020-SR. For estimated costs of replacement elements please call 866.990.9785 or visit our website at www.3Mpurification.com

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⚠WARNING

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

Read entire manual. Failure to follow all guides and rules could cause personal injury or property damage.

- Check with your local public works department for plumbing codes. You must follow their guidelines as you install the water filtration system.
- Your water filtration system will withstand up to 125 pounds per square inch (psi) water pressure. If your water supply pressure is higher than 80 psi, install a pressure reducing valve before installing the water filtration system.

NOTICE

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

- Read and follow all Instructions before installation and use of this system.
- Change the disposable filter cartridge at the recommended interval; the disposable filter cartridge MUST be replaced every 6 months or sooner.
- Failure to replace the disposable filter cartridge at recommended intervals may lead to reduced filter performance and failure of the filter, causing property damage from water leakage or flooding.

IMPORTANT: See flushing instructions on next page.

HF20-A020-SR Cartridge Flow and Capacity Information

Head & Manifold	# of Cartridges	Flow Rate	Flush Instruction	Capacity
NH3 Series Head	1	2 gpm (7.6 lpm)	Flush 4.0 gals through cartridge(s) before use (flush approx. 2 mins)	N/A
VH3 Series Head	1	2 gpm (7.6 lpm)	Flush 4.0 gals through cartridge(s) before use (flush approx. 2 mins)	N/A
High Flow Series Twin 2XX Manifold	2	4 gpm (15.1 lpm)	Flush 8.0 gals through cartridge(s) before use (flush approx. 2 mins)	N/A
High Flow Series Triple 3XX Manifold	3	6 gpm (22.7 lpm)	Flush 12.0 gals through cartridge(s) before use (flush approx. 2 mins)	N/A
High Flow Series Single DF1XX Manifold	1	2 gpm (7.6 lpm)	Flush 4.0 gals through cartridge(s) before use (flush approx. 2 mins)	N/A
High Flow Series Twin DF2XX Manifold	2	4 gpm (15.1 lpm)	Flush 8.0 gals through cartridge(s) before use (flush approx. 2 mins)	N/A
High Flow Series Single DP1XX Manifold	1	2 gpm (7.6 lpm)	Flush 4.0 gals through cartridge(s) before use (flush approx. 2 mins)	N/A
High Flow Series Twin DP2XX Manifold	2	4 gpm (15.1 lpm)	Flush 8.0 gals through cartridge(s) before use (flush approx. 2 mins)	N/A
High Flow Series Triple DP3XX Manifold	3	6 gpm (22.7 lpm)	Flush 12.0 gals through cartridge(s) before use (flush approx. 2 mins)	N/A
High Flow Series Single SF1XX Manifold	1	2 gpm (7.6 lpm)	Flush 4.0 gals through cartridge(s) before use (flush approx. 2 mins)	N/A
High Flow Series DIDF2XX Manifold	2	4 gpm (15.1 lpm)	Flush 8.0 gals through cartridge(s) before use (flush approx. 2 mins)	N/A

Performance Data Sheet

Model: High Flow Series/HF20-A020-S-SR

Use Replacement Cartridge: HF20-A020-S-SR

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System tested and certified by NSF International against NSF/ANSI Standard 42, Standard 53 and CSA B483.1 for the reduction of substances as listed.

NSF

Capacity: See chart on next page.

Contaminant Reduction Determined by NSF testing.

Substance Reduction	Average Influent	NSF specified Challenge Concentration	Avg. % Reduction	Average Product Water Concentration	Max. Permissible Product Water Concentration	NSF Reduction Requirements	NSF Test Report
Particulate Class I, ≥ 0.5 to < 1.0 μm	3,433,333 pts/mL	At least 10,000 pts/mL	99.3%	22,100 pts/mL	N/A	$\geq 85\%$	J-00304397
Cyst Reduction*	135,000 cysts/L	Minimum 50,000 cysts/L	99.99%	1 cyst/L	N/A	99.95%	J-00304396

* Based on the use of *Cryptosporidium parvum* oocysts

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Application Guidelines/Water Supply Parameters	
Service Flow	2.0 gpm (7.6 lpm)
Water Supply	Potable Water
Water Pressure	25 - 125 psi (172 - 862 kPa)
Water Temperature	40° F - 100° F (4.4° C - 38° C)

It is essential that the manufacturer's recommended installation, maintenance and filter replacement requirements be carried out for the product to perform as advertised. See System Installation Manual for Warranty information.

Note: While the testing was performed under standard laboratory conditions, actual performance may vary.

Replacement Cartridge: HF20-A020-S-SR. For estimated costs of replacement elements please call 866.990.9785 or visit our website at www.3Mpurification.com

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⚠ WARNING

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- Check with your local public works department for plumbing codes. You must follow their guidelines as you install the water filtration system.
- Your water filtration system will withstand up to 125 pounds per square inch (psi) water pressure. If your water supply pressure is higher than 80 psi, install a pressure reducing valve before installing the water filtration system.

NOTICE

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

- Read and follow all instructions before installation and use of this system.
- Change the disposable filter cartridge at the recommended interval, the disposable filter cartridge MUST be replaced every 6 months or sooner.
- Failure to replace the disposable filter cartridge at recommended intervals may lead to reduced filter performance and failure of the filter, causing property damage from water leakage or flooding.

IMPORTANT: See flushing instructions on next page.

HF20-A020-S-SR Cartridge Flow and Capacity Information

Head & Manifold	# of Cartridges	Flow Rate	Flush Instruction	Capacity
NH3 Series Head	1	2 gpm (7.6 lpm)	Flush 4.0 gals through cartridge(s) before use (flush approx. 2 mins)	N/A
VH3 Series Head	1	2 gpm (7.6 lpm)	Flush 4.0 gals through cartridge(s) before use (flush approx. 2 mins)	N/A
High Flow Series Twin 2XX Manifold	2	4 gpm (15.1 lpm)	Flush 8.0 gals through cartridge(s) before use (flush approx. 2 mins)	N/A
High Flow Series Triple 3XX Manifold	3	6 gpm (22.7 lpm)	Flush 12.0 gals through cartridge(s) before use (flush approx. 2 mins)	N/A
High Flow Series Single DF1XX Manifold	1	2 gpm (7.6 lpm)	Flush 4.0 gals through cartridge(s) before use (flush approx. 2 mins)	N/A
High Flow Series Twin DF2XX Manifold	2	4 gpm (15.1 lpm)	Flush 8.0 gals through cartridge(s) before use (flush approx. 2 mins)	N/A
High Flow Series Single DP1XX Manifold	1	2 gpm (7.6 lpm)	Flush 4.0 gals through cartridge(s) before use (flush approx. 2 mins)	N/A
High Flow Series Twin DP2XX Manifold	2	4 gpm (15.1 lpm)	Flush 8.0 gals through cartridge(s) before use (flush approx. 2 mins)	N/A
High Flow Series Triple DP3XX Manifold	3	6 gpm (22.7 lpm)	Flush 12.0 gals through cartridge(s) before use (flush approx. 2 mins)	N/A
High Flow Series Single SF1XX Manifold	1	2 gpm (7.6 lpm)	Flush 4.0 gals through cartridge(s) before use (flush approx. 2 mins)	N/A
High Flow Series DIDF2XX Manifold	2	4 gpm (15.1 lpm)	Flush 8.0 gals through cartridge(s) before use (flush approx. 2 mins)	N/A

Performance Data Sheet

Model: High Flow Series/HF20-S-SR

Use Replacement Cartridge: HF20-S-SR

The concentration of the indicated substances in water entering the system was reduced to a concentration less than or equal to the permissible limit for water leaving the system as specified in NSF/ANSI Standard 42, Standard 53 and CSA B483.1.



System tested and certified by NSF International against NSF/ANSI Standard 42, Standard 53 and CSA B483.1 for the reduction of substances as listed.

Substance Reduction	Average Influent	NSF specified Challenge Concentration	Avg % Reduction	Average Product Water Concentration	Max Permissible Product Water Concentration	NSF Reduction Requirements	NSF Test Report
Particulate Class I, 20.5 to <1.0 µm	3,433,333 pts/mL	At least 10,000 pts/mL	99.3%	22,100 pts/mL	N/A	≥ 85%	J-00304397
Cyst Reduction*	135,000 cysts/L	Minimum 50,000 cysts/L	99.99%	1 cyst/L	N/A	99.95%	J-00304396

Capacity: See chart on next page. Contaminant Reduction Determined by NSF testing.

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Application Guidelines/Water Supply Parameters
Service Flow 2.0 gpm (7.6 lpm)
Water Supply Potable Water
Water Pressure 25 - 125 psi (172 - 862 kPa)
Water Temperature 40° F - 100° F (4.4° C - 38° C)

It is essential that the manufacturer's recommended installation, maintenance and filter replacement requirements be carried out for the product to perform as advertised. See System Installation Manual for Warranty information.

Note: While the testing was performed under standard laboratory conditions, actual performance may vary.

Replacement Cartridge: HF20-S-SR. For estimated costs of replacement elements please call 866.990.9785 or visit our website at www.3mpurification.com

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⚠ WARNING

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Read entire manual. Failure to follow all guides and rules could cause personal injury or property damage.

- Check with your local public works department for plumbing codes. You must follow their guidelines as you install the water filtration system.
- Your water filtration system will withstand up to 125 pounds per square inch (psi) water pressure. If your water supply pressure is higher than 80 psi, install a pressure reducing valve before installing the water filtration system.

NOTICE

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

- Read and follow all instructions before installation and use of this system.
- Change the disposable filter cartridge at the recommended interval; the disposable filter cartridge MUST be replaced every 6 months or sooner.
- Failure to replace the disposable filter cartridge at recommended intervals may lead to reduced filter performance and failure of the filter, causing property damage from water leakage or flooding.

IMPORTANT: See flushing instructions on next page.

HF20-S-SR Cartridge Flow and Capacity Information

Head & Manifold	# of Cartridges	Flow Rate	Flush Instruction	Capacity
NH3 Series Head	1	2 gpm (7.6 lpm)	Flush 4.0 gals through cartridge(s) before use (flush approx. 2 mins)	N/A
VH3 Series Head	1	2 gpm (7.6 lpm)	Flush 4.0 gals through cartridge(s) before use (flush approx. 2 mins)	N/A
High Flow Series Twin 2XX Manifold	2	4 gpm (15.1 lpm)	Flush 8.0 gals through cartridge(s) before use (flush approx. 2 mins)	N/A
High Flow Series Triple 3XX Manifold	3	6 gpm (22.7 lpm)	Flush 12.0 gals through cartridge(s) before use (flush approx. 2 mins)	N/A
High Flow Series Single DF1XX Manifold	1	2 gpm (7.6 lpm)	Flush 4.0 gals through cartridge(s) before use (flush approx. 2 mins)	N/A
High Flow Series Twin DF2XX Manifold	2	4 gpm (15.1 lpm)	Flush 8.0 gals through cartridge(s) before use (flush approx. 2 mins)	N/A
High Flow Series Single DP1XX Manifold	1	2 gpm (7.6 lpm)	Flush 4.0 gals through cartridge(s) before use (flush approx. 2 mins)	N/A
High Flow Series Twin DP2XX Manifold	2	4 gpm (15.1 lpm)	Flush 8.0 gals through cartridge(s) before use (flush approx. 2 mins)	N/A
High Flow Series Triple DP3XX Manifold	3	6 gpm (22.7 lpm)	Flush 12.0 gals through cartridge(s) before use (flush approx. 2 mins)	N/A
High Flow Series Single SF1XX Manifold	1	2 gpm (7.6 lpm)	Flush 4.0 gals through cartridge(s) before use (flush approx. 2 mins)	N/A
High Flow Series DID/DF2XX Manifold	2	4 gpm (15.1 lpm)	Flush 8.0 gals through cartridge(s) before use (flush approx. 2 mins)	N/A

Performance Data Sheet

Model: High Flow Series/HF40-S-SR

Use Replacement Cartridge: HF40-S-SR

The concentration of the indicated substances in water entering the system was reduced to a concentration less than or equal to the permissible limit for water leaving the system as specified in NSF/ANSI Standard 42, Standard 53 and CSA B483. 1.



System tested and certified by NSF International against NSF/ANSI Standard 42, Standard 53 and CSA B483.1 for the reduction of substances as listed.

Substance Reduction	Average Influent	NSF specified Challenge Concentration	Avg % Reduction	Average Product Water Concentration	Max Permissible Product Water Concentration	NSF Reduction Requirements	NSF Test Report
Particulate Class I, ≥0.5 to <1.0 µm	3,433.333 pts/mL	At least 10,000 pts/mL	99.3%	22,100 pts/mL	N/A	≥ 85%	J-00304397
Cyst Reduction*	135,000 cysts/L	Minimum 50,000 cysts/L	99.99%	1 cysts/L	N/A	99.95%	J-00304396

* Based on the use of *Cryptosporidium parvum* oocysts

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Application Guidelines/Water Supply Parameters	
Service Flow	2.5 gpm. (9.5 lpm)
Water Supply	Potable Water
Water Pressure	25 - 125 psi (1.72 - 862 kPa)
Water Temperature	40° F - 100° F (4.4° C - 38° C)

It is essential that the manufacturer's recommended installation, maintenance and filter replacement requirements be carried out for the product to perform as advertised. See System Installation Manual for Warranty information.

Note: While the testing was performed under standard laboratory conditions, actual performance may vary.

Replacement Cartridge: HF40-S-SR For estimated costs of replacement elements please call 866.990.9785 or visit our website at www.3mpurification.com

Parts and service available from:



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Capacity: See chart on next page. Contaminant Reduction Determined by NSF testing.

⚠WARNING

To reduce the risk associated with ingestion of contaminants:

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

Read entire manual. Failure to follow all guides and rules could cause personal injury or property damage.

- Check with your local public works department for plumbing codes. You must follow their guidelines as you install the water filtration system.
- Your water filtration system will withstand up to 125 pounds per square inch (psi) water pressure. If your water supply pressure is higher than 80 psi, install a pressure reducing valve before installing the water filtration system.

NOTICE

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

- Read and follow all instructions before installation and use of this system.
- Change the disposable filter cartridge at the recommended interval; the disposable filter cartridge **MUST** be replaced every 12 months or sooner.
- Failure to replace the disposable filter cartridge at recommended intervals may lead to reduced filter performance and failure of the filter, causing property damage from water leakage or flooding.

IMPORTANT: See flushing instructions on next page.

HF40-S-SR Cartridge Flow and Capacity Information

Head & Manifold	# of Cartridges	Flow Rate	Flush Instruction	Capacity
NH3 Series Head	1	2.5 gpm (9.5 lpm)	Flush 5.0 gals through cartridge(s) before use (flush approx. 2 mins)	N/A
VH3 Series Head	1	2.5 gpm (9.5 lpm)	Flush 5.0 gals through cartridge(s) before use (flush approx. 2 mins)	N/A
High Flow Series Twin 2XX Manifold	2	5 gpm (18.9 lpm)	Flush 10.0 gals through cartridge(s) before use (flush approx. 2 mins)	N/A
High Flow Series Triple 3XX Manifold	3	7.5 gpm (28.4 lpm)	Flush 15.0 gals through cartridge(s) before use (flush approx. 2 mins)	N/A
High Flow Series Single DF1XX Manifold	1	2.5 gpm (9.5 lpm)	Flush 5.0 gals through cartridge(s) before use (flush approx. 2 mins)	N/A
High Flow Series Twin DF2XX Manifold	2	5 gpm (18.9 lpm)	Flush 10.0 gals through cartridge(s) before use (flush approx. 2 mins)	N/A
High Flow Series Single DP1XX Manifold	1	2.5 gpm (9.5 lpm)	Flush 5.0 gals through cartridge(s) before use (flush approx. 2 mins)	N/A
High Flow Series Twin DP2XX Manifold	2	5 gpm (18.9 lpm)	Flush 10.0 gals through cartridge(s) before use (flush approx. 2 mins)	N/A
High Flow Series Triple DP3XX Manifold	3	7.5 gpm (28.4 lpm)	Flush 15.0 gals through cartridge(s) before use (flush approx. 2 mins)	N/A
High Flow Series Single SF1XX Manifold	1	2.5 gpm (9.5 lpm)	Flush 5.0 gals through cartridge(s) before use (flush approx. 2 mins)	N/A
High Flow Series DIDE2XX Manifold	2	5 gpm (18.9 lpm)	Flush 10.0 gals through cartridge(s) before use (flush approx. 2 mins)	N/A

Performance Data Sheet

Model: High Flow Series/HF60-A020-S-SR

Use Replacement Cartridge: HF60-A020-S-SR

The concentration of the indicated substances in water entering the system was reduced to a concentration less than or equal to the permissible limit for water leaving the system as specified in NSF/ANSI Standard 42, Standard 53 and CSA B483.1.



System tested and certified by NSF International against NSF/ANSI Standard 42, Standard 53 and CSA B483.1 for the reduction of substances as listed.

US

Capacity: See chart on next page. Contaminant Reduction Determined by NSF testing.

Substance Reduction	Average Influent	NSF Specified Challenge Concentration	Avg % Reduction	Average Product Water Concentration	Max Permissible Product Water Concentration	NSF Reduction Requirements	NSF Test Report
Particulate Class I, 20.5 to <1.0 µm	3,433,333 pps/mL	At least 10,000 pps/mL	99.3%	22,100 pps/mL	N/A	≥ 85%	J-00304397
Cyst Reduction*	135,000 cysts/L	Minimum 50,000 cysts/L	99.99%	1 cyst/L	N/A	99.95%	J-00304396

* Based on the use of *Cryptosporidium parvum* oocysts

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Application Guidelines	Water Supply Parameters
Service Flow	3.5 gpm (13.2 lpm)
Water Supply	Potable Water
Water Pressure	25 - 125 psi (1.72 - 862 kPa)
Water Temperature	40° F - 100° F (4.4° C - 38° C)

It is essential that the manufacturer's recommended installation, maintenance and filler replacement requirements be carried out for the product to perform as advertised. See System Installation Manual for Warranty information.

Note: While the testing was performed under standard laboratory conditions, actual performance may vary.

Replacement Cartridge: HF60-A020-S-SR. For estimated costs of replacement elements please call 866.990.9785 or visit our website at www.3Mpurification.com

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⚠ WARNING

To reduce the risk associated with ingestion of contaminants:

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

Read entire manual. Failure to follow all guides and rules could cause personal injury or property damage.

- Check with your local public works department for plumbing codes. You must follow their guidelines as you install the water filtration system.
- Your water filtration system will withstand up to 125 pounds per square inch (psi) water pressure. If your water supply pressure is higher than 80 psi, install a pressure reducing valve before installing the water filtration system.

NOTICE

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

- Read and follow all instructions before installation and use of this system.
- Change the disposable filter cartridge at the recommended interval; the disposable filter cartridge **MUST** be replaced every 6 months or sooner.
- Failure to replace the disposable filter cartridge at recommended intervals may lead to reduced filter performance and failure of the filter, causing property damage from water leakage or flooding.

IMPORTANT: See flushing instructions on next page.

HF60-A020-S-SR Cartridge Flow and Capacity Information

Head & Manifold	# of Cartridges	Flow Rate	Flush Instruction	Capacity
NH3 Series Head	1	3.5 gpm (13.3 lpm)	Flush 7.0 gals through cartridge(s) before use (flush approx. 2 mins)	N/A
VH3 Series Head	1	3.5 gpm (13.3 lpm)	Flush 7.0 gals through cartridge(s) before use (flush approx. 2 mins)	N/A
High Flow Series Twin 2XX Manifold	2	7 gpm (26.5 lpm)	Flush 14.0 gals through cartridge(s) before use (flush approx. 2 mins)	N/A
High Flow Series Triple 3XX Manifold	3	10.5 gpm (39.8 lpm)	Flush 21.0 gals through cartridge(s) before use (flush approx. 2 mins)	N/A
High Flow Series Single DF1XX Manifold	1	3.5 gpm (13.3 lpm)	Flush 7.0 gals through cartridge(s) before use (flush approx. 2 mins)	N/A
High Flow Series Twin DF2XX Manifold	2	7 gpm (26.5 lpm)	Flush 14.0 gals through cartridge(s) before use (flush approx. 2 mins)	N/A
High Flow Series Single DP1XX Manifold	1	3.5 gpm (13.3 lpm)	Flush 7.0 gals through cartridge(s) before use (flush approx. 2 mins)	N/A
High Flow Series Twin DP2XX Manifold	2	7 gpm (26.5 lpm)	Flush 14.0 gals through cartridge(s) before use (flush approx. 2 mins)	N/A
High Flow Series Triple DP3XX Manifold	3	10.5 gpm (39.8 lpm)	Flush 21.0 gals through cartridge(s) before use (flush approx. 2 mins)	N/A
High Flow Series Single SF1XX Manifold	1	3.5 gpm (13.3 lpm)	Flush 7.0 gals through cartridge(s) before use (flush approx. 2 mins)	N/A
High Flow Series DIDF2XX Manifold	2	7 gpm (26.5 lpm)	Flush 14.0 gals through cartridge(s) before use (flush approx. 2 mins)	N/A

Performance Data Sheet

Model: High Flow Series/HF60-S-SR and HF60-S-SR5

Use Replacement Cartridge: HF60-S-SR and HF60-S-SR5

The concentration of the indicated substances in water entering the system was reduced to a concentration less than or equal to the permissible limit for water leaving the system as specified in NSF/ANSI Standard 42, Standard 53 and CSA B483.1.



System tested and certified by NSF International against NSF/ANSI Standard 42, Standard 53 and CSA B483.1 for the reduction of substances as listed.

us

Capacity: See chart on next page. Contaminant Reduction: Determined by NSF testing.

Substance Reduction	Average Influent	NSF specified Challenge Concentration	Avg % Reduction	Average Product Water Concentration	Max Permissible Product Water Concentration	NSF Reduction Requirements	NSF Test Report
Particulate Class I, 20.5 to <1.0 µm	3,433,333 pps/mL	At least 10,000 pps/mL	99.3%	22,100 pps/mL	N/A	≥ 85%	J-00304397
Cyst Reduction*	135,000 cysts/L	Minimum 50,000 cysts/L	99.99%	1 cyst/L	N/A	99.95%	J-00304396

* Based on the use of *Cryptosporidium parvum* oocysts

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Application Guidelines/Water Supply Parameters	
Service Flow	3.34 gpm (12.6 lpm)
Water Supply	Potable Water
Water Pressure	25 - 125 psi (172 - 862 kPa)
Water Temperature	40° F - 100° F (4.4° C - 38° C)

It is essential that the manufacturer's recommended installation, maintenance and filter replacement requirements be carried out for the product to perform as advertised. See System Installation Manual for Warranty information.

Note: While the testing was performed under standard laboratory conditions, actual performance may vary.

Replacement Cartridge: HF60-S-SR. For estimated costs of replacement elements please call 866.990.9785 or visit our website at www.3mpurification.com

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IMPORTANT: See flushing instructions on next page.

⚠WARNING

To reduce the risk associated with ingestion of contaminants:

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

Read entire manual. Failure to follow all guides and rules could cause personal injury or property damage.

- Check with your local public works department for plumbing codes. You must follow their guidelines as you install the water filtration system.
- Your water filtration system will withstand up to 125 pounds per square inch (psi) water pressure. If your water supply pressure is higher than 80 psi, install a pressure reducing valve before installing the water filtration system.

NOTICE

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

- Read and follow all instructions before installation and use of this system.
- Change the disposable filter cartridge at the recommended interval; the disposable filter cartridge **MUST** be replaced every 12 months or sooner.
- Failure to replace the disposable filter cartridge at recommended intervals may lead to reduced filter performance and failure of the filter, causing property damage from water leakage or flooding.

HF60-S-SR and HF60-S-SR5 Cartridge Flow and Capacity Information

Head & Manifold	# of Cartridges	Flow Rate	Flush Instruction	Capacity
NH3 Series Head	1	3.34 gpm (12.6 lpm)	Flush 6.68 gals through cartridge(s) before use (flush approx. 2 mins)	N/A
VH3 Series Head	1	3.34 gpm (12.6 lpm)	Flush 6.68 gals through cartridge(s) before use (flush approx. 2 mins)	N/A
High Flow Series Twin 2XX Manifold	2	6.68 gpm (25.3 lpm)	Flush 13.36 gals through cartridge(s) before use (flush approx. 2 mins)	N/A
High Flow Series Triple 3XX Manifold	3	10.02 gpm (37.9 lpm)	Flush 20.04 gals through cartridge(s) before use (flush approx. 2 mins)	N/A
High Flow Series Single DF1XX Manifold	1	3.34 gpm (12.6 lpm)	Flush 6.68 gals through cartridge(s) before use (flush approx. 2 mins)	N/A
High Flow Series Twin DF2XX Manifold	2	6.68 gpm (25.3 lpm)	Flush 13.36 gals through cartridge(s) before use (flush approx. 2 mins)	N/A
High Flow Series Single DP1XX Manifold	1	3.34 gpm (12.6 lpm)	Flush 6.68 gals through cartridge(s) before use (flush approx. 2 mins)	N/A
High Flow Series Twin DP2XX Manifold	2	6.68 gpm (25.3 lpm)	Flush 13.36 gals through cartridge(s) before use (flush approx. 2 mins)	N/A
High Flow Series Triple DP3XX Manifold	3	10.02 gpm (37.9 lpm)	Flush 20.04 gals through cartridge(s) before use (flush approx. 2 mins)	N/A
High Flow Series Single SF1XX Manifold	1	3.34 gpm (12.6 lpm)	Flush 6.68 gals through cartridge(s) before use (flush approx. 2 mins)	N/A
High Flow Series DIDF2XX Manifold	2	6.68 gpm (25.3 lpm)	Flush 13.36 gals through cartridge(s) before use (flush approx. 2 mins)	N/A

Performance Data Sheet

Model: High Flow Series/HF90-SR, HF90-S-SR, and HF90-S-SR5

Use Replacement Cartridge: HF90-SR, HF90-S-SR, or HF90-S-SR5

The concentration of the indicated substances in water entering the system was reduced to a concentration less than or equal to the permissible limit for water leaving the system as specified in NSF/ANSI Standard 42, Standard 53 and CSA B483.1.



System tested and certified by NSF International against NSF/ANSI Standard 42, Standard 53 and CSA B483.1 for the reduction of substances as listed.

US

Capacity: See chart on next page.

Contaminant Reduction Determined by NSF testing.

Substance Reduction	Average Influent	NSF Specified Challenge Concentration	Avg % Reduction	Average Product Water Concentration	Max Permissible Product Water Concentration	NSF Reduction Requirements	NSF Test Report
Particulate Class I, ≥0.5 to <1.0 µm	3,433.333 pts/mL	At least 10,000 pts/mL	99.3%	22,100 pts/mL	N/A	≥ 85%	J-00304397
Cyst Reduction*	135,000 cysts/L	Minimum 50,000 cysts/L	99.99%	1 cyst/L	N/A	99.95%	J-00304396

* Based on the use of *Cryptosporidium parvum* oocysts

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Application Guidelines/Water Supply Parameters	
Service Flow	5.0 gpm (18.9 lpm)
Water Supply	Potable Water
Water Pressure	25 -125 psi (172 - 862 kPa)
Water Temperature	40° F - 100° F (4.4° C - 38° C)

It is essential that the manufacturer's recommended installation, maintenance and filter replacement requirements be carried out for the product to perform as advertised. See System Installation Manual for Warranty Information.

Note: While the testing was performed under standard laboratory conditions, actual performance may vary.

Replacement Cartridge: HF90-SR, HF90-S-SR, or HF90-S-SR5. For estimated costs of replacement elements please call 866.990.9785 or visit our website at www.3Mpurification.com

Parts and service available from:



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IMPORTANT: See flushing instructions on next page.

WARNING

To reduce the risk associated with ingestion of contaminants:

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

Read entire manual. Failure to follow all guides and rules could cause personal injury or property damage.

- Check with your local public works department for plumbing codes. You must follow their guidelines as you install the water filtration system.
- Your water filtration system will withstand up to 125 pounds per square inch (psi) water pressure. If your water supply pressure is higher than 80 psi, install a pressure reducing valve before installing the water filtration system.

NOTICE

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

- Read and follow all instructions before installation and use of this system.
- Change the disposable filter cartridge at the recommended interval; the disposable filter cartridge **MUST** be replaced every 12 months or sooner.
- Failure to replace the disposable filter cartridge at recommended intervals may lead to reduced filter performance and failure of the filter, causing property damage from water leakage or flooding.

HF90-SR/HF90-S-SR/HF90-S-SR5 Cartridge Flow and Capacity Information

Head & Manifold	# of Cartridges	Flow Rate	Flush Instruction	Capacity
NH3 Series Head	1	5 gpm (18.9 lpm)	Flush 10.0 gals through cartridge(s) before use (flush approx. 2 mins)	N/A
VH3 Series Head	1	5 gpm (18.9 lpm)	Flush 10.0 gals through cartridge(s) before use (flush approx. 2 mins)	N/A
High Flow Series Twin 2XX Manifold	2	10 gpm (37.9 lpm)	Flush 20.0 gals through cartridge(s) before use (flush approx. 2 mins)	N/A
High Flow Series Triple 3XX Manifold	3	15 gpm (56.8 lpm)	Flush 30.0 gals through cartridge(s) before use (flush approx. 2 mins)	N/A
High Flow Series Single DF1XX Manifold	1	5 gpm (18.9 lpm)	Flush 10.0 gals through cartridge(s) before use (flush approx. 2 mins)	N/A
High Flow Series Twin DF2XX Manifold	2	10 gpm (37.9 lpm)	Flush 20.0 gals through cartridge(s) before use (flush approx. 2 mins)	N/A
High Flow Series Single DP1XX Manifold	1	5 gpm (18.9 lpm)	Flush 10.0 gals through cartridge(s) before use (flush approx. 2 mins)	N/A
High Flow Series Twin DP2XX Manifold	2	10 gpm (37.9 lpm)	Flush 20.0 gals through cartridge(s) before use (flush approx. 2 mins)	N/A
High Flow Series Triple DP3XX Manifold	3	15 gpm (56.8 lpm)	Flush 30.0 gals through cartridge(s) before use (flush approx. 2 mins)	N/A
High Flow Series Single SF1XX Manifold	1	5 gpm (18.9 lpm)	Flush 10.0 gals through cartridge(s) before use (flush approx. 2 mins)	N/A
High Flow Series DIDF2XX Manifold	2	10 gpm (37.9 lpm)	Flush 20.0 gals through cartridge(s) before use (flush approx. 2 mins)	N/A



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34-8725-3186-7

