High Flow
Series Filters

3M™ Water Filtration Products

Performance Data Sheets

Table of Contents

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 Reduction	Average Influent	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-00145699
Nominal Particulate Class I, , ≥0.5 to < 1.0 µm	4,066,667 pts/mL	At least 10,000 particles/mL	99.9%	2565 pts/ml	N/A	≥85%	J-00125785
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*	120,000 cysts/L	Minimum 50,000 cysts/L	99.99%	13 cyst/L	N/A	≥99.95%	J-00125784
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-00144127
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-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

* Based 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	40º F - 100º F (4.4º C - 38º 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:

3M Purification Inc.
400 Research Parkway
Meriden, CT 06450, U.S.A.
Tel (866) 990-9785
(203) 237-5541
Fax (203) 238-8701
www.3Mpurification.com

⚠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	See chart on next page.
Water Supply	Potable Water
Water Pressure	25 -125 psi (172 – 862 kPa)
Water Temperature	40º F - 100º F (4.4º C - 38º 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: 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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- 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.

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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 pts/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

Parts and service available from:

3M

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NOTICE

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- 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 (39747 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 (39747 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	≥ 85%	J-00177426
Chlorine Taste and Odor	1.9 mg/L	2.0 mg/L ± 10%	97.4%	0.05 mg/L	N/A	≥ 50%	J-00177390
Cyst Reduction*	87,000 cysts/L	Minimum 50,000 cysts/L	99.99%	4 cyst/L	N/A	≥ 99.95%	J-00109556
Asbestos	101 MFL	10^7 to 10^8 fibers per liter	99%	0.17 MFL	N/A	≥99%	J-00109555

* 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	40º F - 100º F (4.4º C - 38º 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: 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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- 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.

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www.3Mpurification.com

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 (39747 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 (39747 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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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.

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	See chart on next page
Water Supply	Potable Water
Water Pressure	25 -125 psi (172 – 862 kPa)
Water Temperature	40º F - 100º F (4.4º C - 38º 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, HF20-S, or HF20-MS. For estimated costs of replacement elements please call 866.990.9785 or visit our website at www.3Mpurification.com

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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

FOR COMMERICIAL USE ONLY

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

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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 DF1XX 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 DP1XX 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 SF1XX 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

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
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 pts/mL	At least 10,000 particles/mL	99.2%	32,667 pts/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	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: HF30, HF30-S or HF30-MS. 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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(203) 237-5541
Fax (203) 238-8701
www.3Mpurification.com

⚠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/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 Reduction 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

⚠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.

Parts and service available from:

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www.3Mpurification.com

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	7,666,667 pts/mL	At least 10,000 particles/mL	99.9%	1392 pts/mL	N/A	≥85%	J-00100653

FOR COMMERICIAL USE ONLY

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	40º F - 100º F (4.4º C - 38º 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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⚠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, 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: HF20-I and HF20-SI

Use Replacement Cartridge: **HF20-I or HF20-SI**

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 14,000 Gallons (52,995 Liters) 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	1,053,333 pts/mL	At least 10,000 pts/mL	99.8%	1492 pts/mL	N/A	≥ 85%	J-00267164
Chlorine Taste and Odor	2.0 mg/L	2.0 mg/L ± 10%	93.0%	0.14 mg/L	N/A	≥ 50%	J-00363040
Cyst Reduction*	120,000 cyst/L	Minimum 50,000 cysts/L	99.99%	1 cyst/L	N/A	99.95%	J-00267166

* Based on the use of Cryptosporidium parvum oocysts

FOR COMMERICIAL USE ONLY

Application Guidelines/Water Supply Parameters	
Service Flow	1.67 gpm (6.32 lpm)
Water Supply	Potable Water
Water Pressure	25 -125 psi (206 – 862 kPa)
Water Temperature	40º F - 100º F (4.4º C - 38º 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-I or HF20-SI. 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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www.3Mpurification.com

⚠ 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: Flush at least 3.34 gallons through cartridge before use (flush approximately 2 minutes).

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 Reduction 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 pts/mL	At least 10,000 particles/mL	99.9%	2565 pts/ml	N/A	≥85%	J-00125785
Cyst*	120,000 cysts/L	Minimum 50,000 cysts/L	99.98%	13 cyst/L	N/A	≥99.95%	J-00125784

* Based on the use of Cryptosporidium parvum oocysts

FOR COMMERICIAL USE ONLY

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	40º F - 100º F (4.4º C - 38º 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

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/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 (283,905liters)
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.)	25,000 gallons (94,635 liters)
High Flow Series Twin DF2XX 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 DP1XX 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 DP2XX 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 DP3XX Manifold	3	7.5 gpm (28.4 lpm)	Flush 15.0 gals through cartridge(s) before use (flush approx. 2 mins.)	75,000 gallons (283,905liters)
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.)	25,000 gallons (94,635 liters)
High Flow Series DIDF2XX 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

FOR COMMERICIAL USE ONLY

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	40º F - 100º F (4.4º C - 38º 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: HF45 or HF45-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:

3M Purification Inc.
400 Research Parkway
Meriden, CT 06450, U.S.A.
Tel (866) 990-9785
(203) 237-5541
Fax (203) 238-8701
www.3Mpurification.com

⚠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/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*	120,000 cysts/L	Minimum 50,000 cysts/L	99.98%	13 cyst/L	N/A	≥99.95%	J-00125784

* Based on the use of Cryptosporidium parvum oocysts

FOR COMMERICIAL USE ONLY

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	40º F - 100º F (4.4º C - 38º 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 or HF60-S. For estimated costs of replacement elements please call 866.990.9785 or visit our website at www.3Mpurification.com

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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 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 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 DIDF2XX 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 ± 10%	91.1%	0.17 mg/L	N/A	≥ 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	40º F - 100º F (4.4º C - 38º 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:

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.

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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 DIDF2XX 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

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	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 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 cyst/L	N/A	≥99.95%	J-00125784

* Based on the use of Cryptosporidium parvum oocysts

FOR COMMERICIAL USE ONLY

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	40º F - 100º F (4.4º C - 38º 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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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.
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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/ 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, ≥ 30.0 µm to ≤ 1.0 µm	6,133 pts/mL	At least 1,000 particles/mL	97.4%	159 pts/mL	N/A	≥85%	J-00099135
Chlorine Taste and Odor	2.1 mg/L	2.0 mg/L ± 10%	97.6%	0.05 mg/L	N/A	≥ 50%	J-00097231
Chloramine @ 2.1 gpm	3.1 mg/L	3.0 mg/L ± 10%	95.2%	0.13 mg/L	0.5 mg/L	N/A	J-00112392
Chloramine @1.7 gpm	3.0 mg/L	3.0 mg/L ± 10%	94.5%	0.17 mg/L	0.5 mg/L	N/A	J-00112394
Chloramine @1.0 gpm	3.0 mg/L	3.0 mg/L ± 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	40º F - 100º F (4.4º C - 38º 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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NOTICE

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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)	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)
		1.0 gpm (3.8 lpm)		15,000 gallons (56,781 liters)
VH3 Series Head	1	2.1 gpm (7.9 lpm)	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)
		1.0 gpm (3.8 lpm)		15,000 gallons (56,781 liters)
High Flow Series Twin 2XX Manifold	2	4.2 gpm (15.9 lpm)	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)
		2.0 gpm (7.6 lpm)		30,000 gallons (113,562 liters)
High Flow Series Triple 3XX Manifold	3	6.3 gpm (23.8 lpm)	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)
		3.0 gpm (11.4 lpm)		45,000 gallons (170,344 liters)
High Flow Series Single DF1XX Manifold	1	2.1 gpm (7.9 lpm)	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)
		1.0 gpm (3.8 lpm)		15,000 gallons (56,781 liters)
High Flow Series Twin DF2XX Manifold	2	4.2 gpm (15.9 lpm)	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)
		2.0 gpm (7.6 lpm)		30,000 gallons (113,562 liters)
High Flow Series Single DP1XX Manifold	1	2.1 gpm (7.9 lpm)	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)
		1.0 gpm (3.8 lpm)		15,000 gallons (56,781 liters)
High Flow Series Twin DP2XX Manifold	2	4.2 gpm (15.9 lpm)	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)
		2.0 gpm (7.6 lpm)		30,000 gallons (113,562 liters)
High Flow Series Triple DP3XX Manifold	3	6.3 gpm (23.8 lpm)	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)
		3.0 gpm (11.4 lpm)		45,000 gallons (170,344 liters)
High Flow Series Single SF1XX Manifold	1	2.1 gpm (7.9 lpm)	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)
		1.0 gpm (3.8 lpm)		15,000 gallons (56,781 liters)
High Flow Series DIDF2XX Manifold	2	4.2 gpm (15.9 lpm)	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)
		2.0 gpm (7.6 lpm)		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.

NSF C US

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 cyst/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

FOR COMMERICIAL USE ONLY

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

⚠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.

Parts and service available from:

3M

3M Purification Inc.
400 Research Parkway
Meriden, CT 06450, U.S.A.
Tel (866) 990-9785
(203) 237-5541
Fax (203) 238-8701
www.3Mpurification.com

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 DIDF2XX 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 Influent	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 pts/mL	At least 1,000 particles/mL	97.4%	159 pts/mL	N/A	≥85%	J-00099135

FOR COMMERICIAL USE ONLY

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	40º F - 100º F (4.4º C – 37.8º 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
(203) 237-5541
Fax (203) 238-8701
www.3Mpurification.com

⚠ 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 DIDF2XX 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.

NSF C US

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	≥ 50%	J-00129559
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 cyst/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

FOR COMMERICIAL USE ONLY

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	40º F - 100º F (4.4º C - 38º 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:

3M

3M Purification Inc.
400 Research Parkway
Meriden, CT 06450, U.S.A.
Tel (866) 990-9785
(203) 237-5541
Fax (203) 238-8701
www.3Mpurification.com

⚠ 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)
High Flow Series Triple DP3XX 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 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 DIDF2XX 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 ± 10%	96.6%	0.07 mg/L	N/A	≥ 50%	J-00089365

FOR COMMERICIAL USE ONLY

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	40º F - 100º F (4.4º C - 38º 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

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/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-00304397
Cyst Reduction*	135,000 cyst/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

FOR COMMERICIAL USE ONLY	
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	40º F - 100º F (4.4º C - 38º 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

Parts and service available from:

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(203) 237-5541
Fax (203) 238-8701
www.3Mpurification.com

⚠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.

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

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-00304397
Cyst Reduction*	135,000 cyst/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

FOR COMMERICIAL USE ONLY	
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	40º F - 100º F (4.4º C - 38º 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

Parts and service available from:

⚠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.

3M Purification Inc.
400 Research Parkway
Meriden, CT 06450, U.S.A.
Tel (866) 990-9785
(203) 237-5541
Fax (203) 238-8701
www.3Mpurification.com

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.

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 cyst/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

FOR COMMERICIAL USE ONLY	
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	40º F - 100º F (4.4º C - 38º 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

Parts and service available from:

⚠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.

3M Purification Inc.
400 Research Parkway
Meriden, CT 06450, U.S.A.
Tel (866) 990-9785
(203) 237-5541
Fax (203) 238-8701
www.3Mpurification.com

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 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/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.

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 cyst/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

FOR COMMERICIAL USE ONLY	
Application Guidelines/Water Supply Parameters	
Service Flow	2.5 gpm (9.5 lpm)
Water Supply	Potable Water
Water Pressure	25 -125 psi (172 – 862 kPa)
Water Temperature	40º F - 100º F (4.4º C - 38º 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:

⚠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.

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(203) 237-5541
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www.3Mpurification.com

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 DIDF2XX Manifold	2	5 gpm (18.9 lpm)	Flush 10.0 gals through cartridge(s) before use (flush approx. 2 mins)	N/A

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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.

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 cyst/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

FOR COMMERICIAL USE ONLY	
Application Guidelines/Water Supply Parameters	
Service Flow	3.5 gpm (13.2 lpm)
Water Supply	Potable Water
Water Pressure	25 -125 psi (172 – 862 kPa)
Water Temperature	40º F - 100º F (4.4º C - 38º 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-A020-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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www.3Mpurification.com

⚠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.

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 cyst/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

FOR COMMERICIAL USE ONLY	
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	40º F - 100º F (4.4º C - 38º 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

Parts and service available from:

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400 Research Parkway
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(203) 237-5541
Fax (203) 238-8701
www.3Mpurification.com

⚠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.

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.

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 cyst/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

FOR COMMERICIAL USE ONLY	
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	40º F - 100º F (4.4º C - 38º 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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⚠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.

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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