

Performance Data Sheet

Model: 3MFF100

Use Replacement Cartridge 3MFF101

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	1.9 mg/L	2.0 mg/L ± 10%	97.3%	0.05 mg/L	N/A	≥ 50%	J-00074328
Nominal Particulate Class I, , ≥0.5 to < 1.0 µm	5,966,667 pts/mL	At least 10,000 particles/mL	99.9%	5517 pts/ml	N/A	≥85%	J-00037739
Benzene	0.014 mg/L	0.015 mg/L ± 10%	96.4%	0.005 mg/L	0.005 mg/L	N/A	J-00074324
Cyst*	122,500 cysts/L	Minimum 50,000 cysts/L	99.99%	<1 cyst/L	N/A	≥99.95%	J-00037737
Lead pH @6.5	0.148 mg/L	0.15 mg/L ± 10%	>99.3%	0.001 mg/L	0.010 mg/L	N/A	J-00074321
Lead pH @8.5	0.153 mg/L	0.15 mg/L ± 10%	>99.3%	0.001 mg/L	0.010 mg/L	N/A	J-00074322
P-Dichlorobenzene	0.235 mg/L	0.225 mg/L ± 10%	99.7%	0.0005 mg/L	0.075 mg/L	N/A	J-00074326
Toxaphene	0.015 mg/L	0.015 mg/L ± 10%	93.1%	0.001 mg/L	0.003 mg/L	N/A	J-00074327

* Based on the use of Cryptosporidium parvum oocysts.

Application Guidelines/Water Supply Parameters	
Service Flow	2.5 gpm (9.46 lpm)
Water Supply	Potable Water
Water Pressure	30 -125 psi (207 – 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: 3MFF101 For estimated costs of replacement elements please call 1-800-222-7880 or visit our website at 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. EPA Establishment Number 070595-CT-001

Parts and service available from:

3M

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CAUTION

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

- Read and follow Use Instructions before installation and use of this system.
- Installation and use **MUST** comply with all state and local plumbing codes.
- Protect filter from freezing, remove replacement filter when temperatures are expected to drop below 40°F (4.4°C).
- Do not install systems in areas where ambient temperatures may go above 110°F (43.3°C).
- Do not install on hot water supply lines. The maximum operating water temperature of this filter system is 100°F (37.8°C).
- Do not install if water pressure exceeds 125 psi (862 kPa). If your water pressure exceeds 80 psi (552 kPa), you must install a pressure limiting valve. Contact a plumbing professional if you are uncertain how to check your water pressure.
- Do not install where water hammer conditions may occur. If water hammer conditions exist you must install a water hammer arrester. Contact a plumbing professional if you are uncertain how to check for this condition.
- Where a backflow prevention device is installed on a water system, a device for controlling pressure due to thermal expansion must be installed.
- Do not use a torch or other high temperature sources near filter system, cartridges, plastic fittings or plastic plumbing.
- On plastic fittings, never use pipe sealant or pipe dope. Use PTFE thread tape only, pipe dope properties may deteriorate plastic.
- Do not install in direct sunlight or outdoors.
- Do not install near water pipes which will be in path of a drilling tool when selecting the position to mount the bracket;
- Mount filter in such a position as to prevent it from being struck by other items used in the area of installation (waste baskets, etc.);
- Ensure that the location and fasteners will support the weight of the system when installed and full of water.
- Ensure all tubing and fittings are secure and free of leaks.
- Do not install unit if collet is missing. Contact 3M Purification Inc. if collets are missing from any fittings.
- The disposable replacement filter **MUST** be replaced every 12 months, at the rated capacity or sooner if a noticeable reduction in flow rate occurs.