

# Performance Data Sheet

## SmartWater Filtration System—GE Appliances MSWF Cartridge

This system has been tested and certified in filter model GE Appliances MSWF according to NSF/ANSI Standards 42 and 53 for reduction of the substances 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 Standards 42 and 53.\* (Safety factors built in for unmetered usage.) The contaminants or other substances removed or reduced by this water treatment system are not necessarily in your water.

### MODEL - MSWF Capacity 300 Gallons

Substance Tested for Reduction	Average Influent	NSF specified Challenge Concentration	Avg % Reduction	Average Product Water concentration	Max Permissible Product Water Concentration	NSF Reduction Requirements
Chlorine, Taste and odor	1.96 mg/L	2.0mg/L ± 10%	95.3%	0.09 mg/L	N/A	≥ 50%
Particulate Class I	1,266,667 particles/mL	At least 10,000 particles/mL	98.6%	18167 particles/mL	N/A	≥ 85%
Cyst (Microspheres)	59,098 cysts/L	Minimum 50,000 cysts/L	99.96%	26 cysts/L	N/A	≥99.95%
Asbestos	115 MF/L	107 to 108 fibers/L; fibers greater than 10 µm in length	99.8%	<1 MF/L	N/A	≥99%
Atrazine	0.009 mg/L	0.009mg/L ± 10%	99.5%	.0005 mg/L	0.003 mg/L	N/A
Benzene	0.013 mg/L	0.015 mg/L ± 10% ±	99.0%	0.001 mg/L	0.005 mg/L	N/A
Carbofuran	0.08 mg/L	0.08 mg/L ± 10%	93.3%	.005 mg/L	0.04 mg/L	N/A
Lead 8.5 pH	0.15 mg/L	0.15 mg/L ± 10%	99.6%	0.001 mg/L	0.010 mg/L	N/A
Lead 6.5 pH	0.15 mg/L	0.15 mg/L ± 10%	99.7%	0.004 mg/L	0.010 mg/L	N/A
Lindane	0.002 mg/L	0.002 mg/L ± 10%	94.2%	0.0001 mg/L	0.0002 mg/L	N/A
Mercury 6.5 pH	0.006 mg/L	0.006 mg/L ± 10%	96.8%	0.0002 mg/L	0.002 mg/L	N/A
Mercury 8.5 pH	0.006 mg/L	0.006 mg/L ± 10%	86.7%	0.0008 mg/L	0.002 mg/L	N/A
Toxaphene	0.015 mg/L	0.015 mg/L ± 10%	95.7%	0.006 mg/L	0.003 mg/L	N/A
2, 4-D	0.232 mg/L	0.210 mg/L ± 10%	94.8%	0.01 mg/L	0.07 mg/L	N/A
p-Dichlorobenzene	0.205 mg/L	0.225 mg/L ± 10%	99.95%	<0.01 mg/L	0.075 mg/L	N/A

### Application Guidelines/Water Supply Parameters

Service Flow	0.9 gpm (3.4 lpm)
Water Supply	Potable Water

Water Pressure	40-120 psi (2.8-8.2 bar)
Water Temperature	33°F-100°F (0.6°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.

### Special Notices

- This drinking water system must be maintained according to manufacturer's instructions, including replacement of filter cartridges.

#### **⚠ WARNING**

**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.**

- Check for compliance with the applicable state and local laws and regulations.
- Note that while the testing was performed under standard laboratory conditions, actual performance may vary. Systems must be installed and operated in accordance with manufacturer's recommended procedures and guidelines.

- Installation and use MUST comply with all state and local plumbing codes. Do not install if water pressure exceeds 120 psi. If your water pressure exceeds 80 psi (552 kPa), you should 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.
- Product certified by IAPMO R&T, which reviews product for material safety, structural integrity, and performance claims on an ongoing basis.



Model MSWF is certified by IAPMO R&T against NSF/ANSI Standard 42 and 53 for the reduction of the claims specified on the Performance Data Sheet.