

# About the GE® MSWF water filter cartridge

Chlorine taste and odor, lead and cysts.

## Water Filter Cartridge

The water filter cartridge is located in the back upper right corner of the refrigerator compartment.

## When to Replace the Filter on Models With a Replacement Indicator Light

**LCD Models:** A pop-up screen will appear on the LCD screen to remind you to replace the water filter. You can check the status of the water filter manually.

**Access By:** Home > Options > Dispenser Options > Reset Water Filter

**Non-LCD Models:** There is a replacement indicator light for the water filter cartridge on the dispenser. This light will turn orange to tell you that you need to replace the filter soon.

The filter cartridge should be replaced every **six months** when the replacement indicator light turns red or sooner if the flow of water to the dispenser or icemaker decreases.

## When to Replace the Filter on Models Without a Replacement Indicator Light

The filter cartridge should be replaced every **six months** or earlier if the flow of water to the dispenser or icemaker decreases.

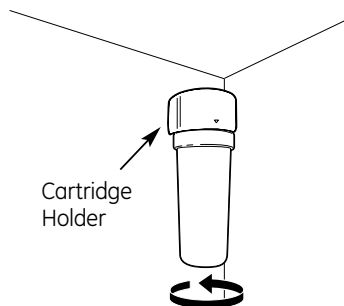
## Removing the Filter Cartridge

If you are replacing the cartridge, first remove the old one by slowly turning it to the left. Pull down gently on the cartridge. A small amount of water may drip down.

**CAUTION: To reduce the risk associated with property damage due to water leakage, read and follow instructions before installation and use of this system. Installation and use should comply with all state and local plumbing codes. The disposable filter cartridge should be replaced every six months, at the rated capacity or sooner if a noticeable reduction in flow rate occurs.**

## Installing the Filter Cartridge

- 1 There is an adaptor attached to the top of the new filter cartridge.
  - If you are replacing a SmartWater™ cartridge, the adaptor must be removed before installing the cartridge. To remove the adaptor, turn it to the left about ¼ turn.
- 2 On models without a replacement indicator light, apply the month and year sticker to the new cartridge to remind you to replace the filter in **six months**.
- 3 Fill the replacement cartridge with water from the tap to allow for better flow from the dispenser immediately after installation.
- 4 Line up the arrow on the cartridge and the cartridge holder. Place the top of the new cartridge up inside the holder. **Do not** push it up into the holder.
- 5 Slowly turn it to the right until the filter cartridge stops. **DO NOT OVERTIGHTEN.** As you turn the cartridge, it will automatically raise itself into position. The cartridge will move about a ½ turn.

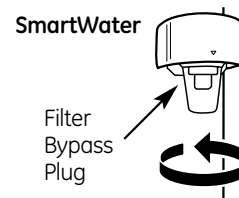


- 6 Run water from the dispenser for 4-1/2 gallons (about five minutes) to clear the system and prevent sputtering.
- 7 **LCD Models:** Press FILTER REPLACED button to confirm replacement.  
**Non-LCD Models:** Press and hold the RESET WATER FILTER pad (on some models) on the dispenser for three seconds.

**NOTE:** A newly installed water filter cartridge may cause water to spurt from the dispenser.

## Filter Bypass Plug

**To reduce the risk of property damage due to water leakage, you MUST use the filter bypass plug when a replacement filter cartridge is not available.** The dispenser and the icemaker will not operate without the filter or filter bypass plug.



## ⚠ WARNING

**To reduce the risk associated with choking, do not allow children under 3 years of age to have access to small parts during the installation of this product.**

For the maximum benefit of your filtration system, GE recommends the use of GE branded SmartWater filters only. Using GE branded filters in GE and Hotpoint® refrigerators provides optimal performance and reliability. GE SmartWater filters meet rigorous industry NSF standards for safety and quality that are important for products that are filtering your water. GE has not qualified non-GE branded filters for use in GE and Hotpoint refrigerators and there is no assurance that non-GE branded filters meet GE's standards for quality, performance and reliability.

# Performance Data Sheet

## SmartWater Filtration System-GE<sup>®</sup> MSWF Cartridge

This system has been tested and certified in filter model GE 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.

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
Chlorine Taste and Odor	2.0 mg/L	2.0 mg/L ± 10%	97.5%	0.05 mg/L	N/A	≥ 50%	J-00099870
Nominal Particulate Class I, ≥0.5 to < 1.0 µm	9,100,000 pts/mL	At least 10,000 particles/mL	98.7%	111,817 pts/mL	N/A	≥85%	J-00099871
Cyst*	147,500 cysts/L	Minimum 50,000 cysts/L	99.99%	1 cyst/L	N/A	≥99.95%	J-00099877
Asbestos	215 MF/L	107 to 108 fibers/L, fibers greater than 10 µm in length	>99%	<1 MF/L	N/A	≥99%	J-00099873
Atrazine	0.009 mg/L	0.009 mg/L ± 10%	94.6%	0.0005 mg/L	0.003 mg/L	N/A	J-00099874
Benzene	0.014 mg/L	0.015 mg/L ± 10%±	96.5%	0.0005 mg/L	0.005 mg/L	N/A	J-00099875
Carbofuran	0.09 mg/L	0.08 mg/L ± 10%	98.8%	0.001 mg/L	0.04 mg/L	N/A	J-00099876
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-00099878
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-00099879
Lindane	0.002 mg/L	0.002 mg/L ± 10%	99.0%	0.00002 mg/L	0.0002 mg/L	N/A	J-00099880
Mercury @ pH 6.5	0.0061 mg/L	0.006 mg/L ± 10%	96.6%	0.0002 mg/L	0.002 mg/L	N/A	J-00099881
Mercury @ pH 8.5	0.0058 mg/L	0.006 mg/L ± 10%	83.8%	0.0010 mg/L	0.002 mg/L	N/A	J-00099882
P-Dichlorobenzene	0.218 mg/L	0.225 mg/L ± 10%	99.7%	0.005 mg/L	0.075 mg/L	N/A	J-00099883
Toxaphene	0.015 mg/L	0.015 mg/L ± 10%	93.1%	0.001 mg/L	0.003 mg/L	N/A	J-00099884
2,4-D	0.227 mg/L	0.210 mg/L ± 10%	99.3%	0.001 mg/L	0.07 mg/L	N/A	J-00099872
Turbidity	11 NTU	11 +1 NTU	98.1%	0.2 NTU	0.5 NTU	N/A	J-00099885

\*Based on the use of *Cryptosporidium parvum* oocysts.  
Capacity 300 gallons (1,135 liters). Contaminant reduction determined by NSF testing.

### 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.

### Operating Specifications

- Pressure requirement: 40–120 psi (2.8–8.2 bar), non-shock
- Temperature: 33–100°F (0.6–38°C)
- Flow rate: 0.9 gpm (3.14 lpm)

### General Installation/Operation/Maintenance Requirements

- Flush new cartridge at full flow for 4-1/2 gallons (about five minutes) to purge trapped air.
- Replace cartridge every six months or sooner if flow becomes too slow.
- Protect from freezing by removing filter cartridge when temperatures are expected to drop below 40°F (4.4°C). Do not install systems in areas where ambient temperatures may go above 100°F or below 40°F. Do not install on a hot water supply.

### Special Notices

- Installation instructions are included with the product when shipped.
- This drinking water system must be maintained according to manufacturer's instructions, including replacement of filter cartridges.
- 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.

For conditions of use, health claims certified by the California Department of Public Health, and replacements, see performance data sheet. California Department of Public Health Certification #06-1834. The contaminants or other substances removed or reduced by this water filter are not necessarily in all users' water.

Tested and Certified by NSF International against NSF/ANSI Standards 42 and 53 in model GE MSWF for the reduction of:

#### Standard No. 42: Aesthetic Effects

- Chemical
  - Chlorine Taste and Odor
- Mechanical Filtration
  - Particulate Reduction, Class I

#### Standard No. 53: Health Effects

- Chemical Reduction
  - Atrazine Reduction
  - Benzene and Carbofuran Reduction
  - P-Dichlorobenzene and 2,4-D Reduction
  - Lead and Lindane Reduction
- Mechanical Filtration
  - Mercury and Toxaphene Reduction
  - Cyst and Asbestos Reduction



REPLACEMENT ELEMENT

EPA #10350-MN-005

MSWF

State of California  
Department of Public Health  
Water Treatment Device  
Certificate Number  
06-1834

Date Issued: December 6, 2011

---

---

**Trademark/Model Designation**

GE MSWF

**Replacement Elements**

MSWF

**Manufacturer:** General Electric Company

---

---

The water treatment device(s) listed on this certificate have met the testing requirements pursuant to Section 116830 of the Health and Safety Code for the following health related contaminants:

**Microbiological Contaminants and Turbidity**

Cysts  
Turbidity

**Inorganic/Radiological Contaminants**

Asbestos  
Lead  
Mercury

**Organic Contaminants**

Atrazine  
Benzene  
Carbofluran  
Lindane  
p-Dichlorobenzene  
Toxaphene  
2,4-D

---

**Rated Service Capacity:** 300 gals

**Rated Service Flow:** 0.90 gpm

---

**Conditions of Certification:**

Do not use where water is microbiologically unsafe or with water of unknown quality, except that systems certified for cyst reduction may be used on disinfected waters that may contain filterable cysts.

