

Performance Data Sheet

SmartWater Filtration System—GE® GSWF Cartridge

This system has been tested and certified in filter model GE GSWF according to NSF/ANSI Standards 42 and 53 for reduction of claims 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 Standards 42 and 53.*

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 \pm 10%	97.5%	0.05 mg/L	N/A	\geq 50%	J-00056501
Nominal Particulate Class I, \geq 0.5 to $<$ 1.0 μ m	13,666,666 pts/mL	at least 10,000 particles/mL	98.9%	143,333 pts/mL	N/A	\geq 85%	J-00056506
Cyst*	122,500 cysts/L	Minimum 50,000 cysts/L	99.99%	1 cyst/L	N/A	\geq 99.95%	J-00056513
Atrazine	0.009 mg/L	0.009 mg/L \pm 10%	89.3%	0.0001 mg/L	0.003 mg/L	N/A	J-00056512
Lead at pH 6.5	0.153 mg/L	0.15 mg/L \pm 10%	99.3%	0.001 mg/L	0.010 mg/L	N/A	J-00056515
Lead at pH 8.5	0.050 mg/L	0.15 mg/L \pm 10%	99.3%	0.001 mg/L	0.010 mg/L	N/A	J-00058784
Lindane	0.002 mg/L	0.002 mg/L \pm 10%	97.8%	0.00004 mg/L	0.0002 mg/L	N/A	J-00058969
Turbidity	10.8 NTU**	11 \pm 1 NTU	98.7%	0.13 NTU	0.5 NTU	N/A	J-00058972

*Based on the use of *Cryptosporidium parvum* oocysts

**NTU=Nephelometric Turbidity Units

Capacity 750 gallons (2,839 liters). Contaminant reduction determined by NSF testing.

Application Guidelines/Water Supply Parameters	
Service Flow	0.5 gpm (1.9 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.

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

Operating Specifications

- Pressure requirement: 40–120 psi (2.8–8.2 bar), non-shock
- Temperature: 33–100°F (0.6–38°C)
- Flow rate: 0.5 gpm (1.9 lpm)

General Installation/Operation/Maintenance Requirements

- Flush new cartridge at full flow for 1-1/2 gallons (about three minutes) to purge trapped air.
- Replace cartridge when 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.
- The contaminants or other substances removed or reduced by this water treatment system are not necessarily in your water.

- 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 #08-1972. 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 GSWF 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
 - Turbidity Reduction
 - Lead and Lindane Reduction
- Mechanical Filtration
 - Cyst Reduction

WARNING

To reduce the risk associated with the ingestion of contaminants:

- Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. Systems certified for cyst reduction may be used on disinfected water that may contain filterable cysts. EPA Establishment #10350-MN-005.



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REPLACEMENT ELEMENT

EPA #10350-MN-005

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GSWF Water Filter Cartridge Limited Warranty.



Contact us at www.geapplianceparts.com,
or call 800.626.2002.

Staple your receipt
here. Proof of the
original purchase
date is needed to
obtain service
under the warranty.

For The Period Of: We Will Replace, At No Charge To You:

Thirty Days

From the date of the
original purchase

Any part of the water filter cartridge which fails due to a defect in materials or
workmanship during this **limited thirty-day warranty**.*

What is Not Covered:

- Service trips to your home to teach you how to use the product.
- Improper installation.
- Failure of the product if it is abused, misused, used for other than the intended purpose or used commercially.
- Replacement of house fuses or resetting of circuit breakers.
- Replacement of the water filter cartridge due to water pressure that is outside the specified operating range or due to excessive sediment in the water supply.
- Damage to the product caused by accident, fire, floods or acts of God.
- Incidental or consequential damage caused by possible defects with this product.

This warranty is extended to the original purchaser and any succeeding owner for products purchased for home use within the USA. In Alaska, the warranty excludes the cost of shipping or service calls to your home.

Some states do not allow the exclusion or limitation of incidental or consequential damages. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. To know what your legal rights are, consult your local or state consumer affairs office or your state's Attorney General.

For Purchases Made In Iowa: This form must be signed and dated by the buyer and seller prior to the consummation of this sale.

This form should be retained on file by the seller for a minimum of two years.

Buyer:

Name

Address

City

State

Zip

Signature

Date

Seller:

Name

Address

City

State

Zip

Signature

Date

*If your GE part fails because of a manufacturing defect within thirty days from the date of original purchase for use, we will give you a new or, at our option, a rebuilt part without charge. Return the defective part to the parts supplier from whom it was purchased together with a copy of the "proof of purchase" for the part. If the part is defective and shows no signs of abuse, it will be exchanged. The warranty does not cover the failure of parts which are damaged while in your possession, are abused, or have been installed improperly. It does not cover the cost of returning the part to the supplier from whom it was purchased nor does it cover the cost of labor to remove or install it to diagnose the fault. It does not cover parts used in products in commercial use except in the case of air conditioning equipment. In no event shall GE be liable for consequential damages. Warrantor: General Electric Company

EXCLUSION OF IMPLIED WARRANTIES: Your sole and exclusive remedy is part exchange as provided in this Limited Warranty. Any implied warranties, including the implied warranties of merchantability or fitness for a particular purpose, are limited to six months or the shortest period allowed by law.



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About the GE® GSWF water filter cartridge

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 message 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 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. **Do not** pull down on the cartridge. A small amount of water may drip down.



CAUTION: If air has been trapped in the system, the filter cartridge may be ejected as it is removed. Use caution when removing.

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 from freezing, remove filter cartridge when temperatures are expected to drop below 33° F (1° C).
- Do not install systems in areas where ambient temperatures may go above 110° F or below 40° F.
- 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 120 psi. 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.
- The disposable filter cartridge **MUST** be replaced every 6 months, at the rated capacity or sooner if a noticeable reduction in flow rate occurs.

Installing the Filter Cartridge

- 1 On models without a replacement indicator light, apply the month and year sticker to the new cartridge and mark your calendar to remind you to replace the filter in six months.
- 2 Remove the protective foil from the end of the cartridge.
- 3 Position the cartridge inside the cartridge holder and slowly rotate the cartridge to the right (clockwise) until it stops. The cartridge will rotate about a 1/4 turn. When installed correctly, the grip blade on the end of the cartridge should be positioned vertically for top-freezer models and horizontally for bottom-freezer models. **DO NOT OVERTIGHTEN.**
- 4 Close the cartridge cover.
- 5 On models with a replacement indicator light, press and hold the **RESET WATER FILTER PAD** on the dispenser for three seconds.

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.

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. EPA Establishment #10350-MN-005.

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-branded SmartWater filters are always the right choice because they are patented and designed specifically for GE products.

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.

Models with a Dispenser

Run water from the dispenser for 1-1/2 gallons (approximately three minutes) to clear the system and prevent sputtering.

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 icemaker will not operate without the filter or filter bypass plug.

For more information about your water filter including additional instructions, please see your refrigerator's Owner's Manual.



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If you have questions, or to order additional filter cartridges, visit our Website at www.geapplianceparts.com or call GE Parts and Accessories, 800.626.2002.

Customers in Canada should consult the yellow pages for the nearest Camco Service Center.

GSWF

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State of California
Department of Public Health
Water Treatment Device
Certificate Number

08 - 1972

Date Issued: December 18, 2008

Trademark/Model Designation

GE SmartWater GSWF

Replacement Elements

GSWF

Manufacturer: GE Appliance

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

Organic Contaminants

Atrazine

Lindane

Inorganic/Radiological Contaminants

Lead

Rated Service Capacity: 750 gal

Rated Service Flow: 0.5 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.