

# About the 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

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 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 water dispenser or icemaker decreases.

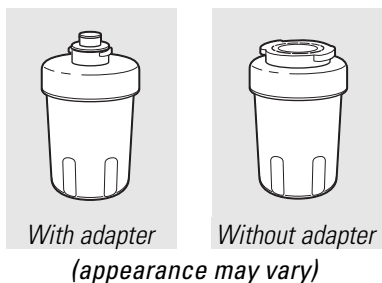
### Removing the Filter Cartridge

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.

### Installing the Filter Cartridge

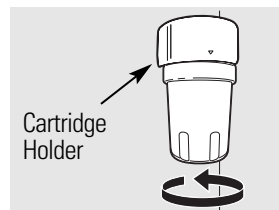
1 If you are replacing a *SmartWater* cartridge with an adapter, it must be removed before installing the cartridge. To remove the adapter, turn it to the left about 1/4 turn.

If you are replacing a *Water by Culligan* cartridge, leave the adapter in place. This adapter will stay in the refrigerator when you replace future cartridges.



- 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 1/2 turn.

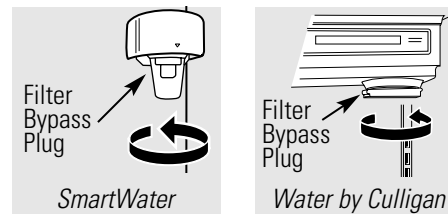


- 6 Run water from the dispenser for 3 minutes (about 1-1/2 gallons) to clear the system and prevent sputtering.
- 7 Press and hold the **RESET WATER FILTER** pad (on some models) on the dispenser for 3 seconds.

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

### Filter Bypass Plug

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.



To use the filter bypass plug on *Water by Culligan* models, you must first remove the filter adapter from the cartridge holder by turning it to the left.

If you have questions—visit our Website at [ge.com](http://ge.com), or call 1.800.GE.CARES (1.800.432.2737).

### Replacement filters:

**To order additional filter cartridges in the United States, visit our Website at [ge.com](http://ge.com), or call GE Parts and Accessories, 800.626.2002.**

MWF

Suggested Retail \$38.95–47.95

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

State of California  
Department of Health Services  
**Water Treatment Device  
Certificate Number**

**05 - 1698**

Date Issued: February 2, 2005

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**Trademark/Model Designation**

MWF

**Replacement Elements**

MWF

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**Manufacturer:** General Electric Company

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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**

Alachlor

Atrazine

Benzene

Carbofuran

Lindane

Mercury

Toxaphene

1,4-dichlorobenzene

2,4-D

**Inorganic/Radiological Contaminants**

Asbestos

Lead

Mercury

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**Rated Service Capacity:** 300 gal

**Rated Service Flow:** 0.5 gpm

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**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.

**Performance Data Sheet**  
**SmartWater Filtration System**  
**MWF Cartridge**

**This system has been tested according to NSF/ANSI 42/53 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 42/53.\* (100% safety factors built in for unmetered usage)**

Standard No. 42: Aesthetic Effects								
Parameter	USEPA MCL	Influent Challenge Concentration	Influent Average	Effluent		% Reduction		Min. Required Reduction
				Average	Maximum	Average	Minimum	
Chlorine	—	2.0 mg/L ± 10%	1.96 mg/L	0.06 mg/L	0.11 mg/L	96.77%	94.74%	> 50%
T & O	—	—	—	—	—	—	—	—
Particulate**	—	≥ 10,000 particles/mL	6,400,000 #/mL	58,833 #/mL	150,000 #/mL	99.14%	97.97%	≥ 85%

Standard No. 53: Health Effects								
Parameter	USEPA MCL	Influent Challenge Concentration	Influent Average	Effluent		% Reduction		Min. Required Reduction
				Average	Maximum	Average	Minimum	
Turbidity	0.5 NTU	11 ± 1 NTU***	10.5 NTU	0.14 NTU	0.28 NTU	98.54%	97.20%	0.5 NTU
Cysts	≥ 99.95% Reduction	Minimum 50,000 L	118,750 #/L	< 1 #/L	4 #/L	> 99.99%	> 99.99%	≥ 99.95%
Asbestos	≥ 99% Reduction	10 <sup>7</sup> to 10 <sup>8</sup> fibers/L; > 10µm	57 MF/L	0.996 MF/L	< 1 MF/L	99.60%	99.39%	≥ 99%
Lead at pH 6.5	0.015 mg/L	0.15 mg/L ± 10%	0.1567 mg/L	< 0.001 mg/L	< 0.001 mg/L	99.36%	99.29%	0.010 mg/L
Lead at pH 8.5	0.015 mg/L	0.15 mg/L ± 10%	0.1433 mg/L	< 0.001 mg/L	< 0.001 mg/L	99.30%	99.29%	0.010 mg/L
Mercury at pH 6.5	0.002 mg/L	0.006 mg/L ± 10%	0.0059 mg/L	0.000350 mg/L	0.0007 mg/L	94.70%	87.50%	0.002 mg/L
Mercury at pH 8.5	0.002 mg/L	0.006 mg/L ± 10%	0.0057 mg/L	0.000325 mg/L	0.0006 mg/L	93.20%	89.29%	0.002 mg/L
Alachlor	0.002 mg/L	0.04 mg/L ± 10%	0.0367 mg/L	0.00023 mg/L	0.0004 mg/L	99.34%	98.67%	0.002 mg/L
Lindane	0.0002 mg/L	0.002 mg/L ± 10%	0.0020 mg/L	< 0.00002 mg/L	< 0.00002 mg/L	99.00%	98.95%	0.0002 mg/L
2,4-D	0.070 mg/L	0.210 mg/L ± 10%	0.2033 mg/L	0.00337 mg/L	0.011000 mg/L	98.32%	94.50%	0.070 mg/L
Toxaphene	0.003 mg/L	0.015 mg/L ± 10%	0.0160 mg/L	0.00100 mg/L	0.001000 mg/L	93.44%	91.67%	0.003 mg/L
Benzene	0.005 mg/L	0.015 mg/L ± 10%	0.0145 mg/L	0.000500 mg/L	0.000500 mg/L	96.51%	95.83%	0.005 mg/L
Carbofuran	0.040 mg/L	0.080 mg/L ± 10%	0.0830 mg/L	0.001000 mg/L	0.001000 mg/L	98.78%	98.65%	0.04 mg/L
1,4 dichlorobenzene	0.075 mg/L	0.225 mg/L ± 10%	0.2283 mg/L	0.000500 mg/L	0.000500 mg/L	99.78%	99.77%	0.075 mg/L
Atrazine	0.003 mg/L	0.009 mg/L ± 10%	0.0087 mg/L	< 0.0005 mg/L	< 0.0005 mg/L	94.22%	93.33%	0.003 mg/L

\* Tested using a flow rate of 0.50 gpm; pressure of 60 psig; pH of 7.5 ± 0.5; temp. of 68° ± 5°F (20° ± 3°C)

\*\* Measurement in Particles/ml. Particles used were 0.5-1 microns

\*\*\* NTU=Nephelometric Turbidity units

### Operating Specifications

- Capacity: certified for up to 300 gallons (1135 l); up to six months for models without a replacement filter indicator light; up to one year for models with a replacement filter indicator light
- 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 3 minutes to purge out trapped air.
- Replace cartridge when the indicator light flashes or water flow rate is reduced on non-indicator units.

### Special Notices

- Installation instructions, parts and service availability, and standard warranty 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.
- The contaminants or other substances removed or reduced by this water treatment system are not necessarily in your water.
- Check for compliance with the 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.

System Tested and Certified by NSF International against ANSI/NSF Standard 42 & 53 for the reduction of:	
<b>Standard No. 42: Aesthetic Effects</b>	<b>Standard No. 53: Health Effects</b>
Chemical Unit	Chemical Reduction Unit
Chlorine Taste and Odor	Alachlor and Atrazine Reduction
Mechanical Filtration Unit	Benzene and Carbofuran Reduction
Particulate Reduction, Class I	1,4 dichlorobenzene and 2,4-D Reduction
	Lead and Lindane Reduction
	Mercury and Toxaphene Reduction
	Mechanical Filtration Unit
	Turbidity Reduction
	Cyst and Asbestos Reduction



**LIMITED 30 DAY WARRANTY**

- *What does this warranty cover?*
  - Any defect in materials or workmanship in the manufactured product.
- *What does this warranty not cover?*
  - Service trips to your home to teach you how to use the product.
  - Improper installation, delivery or maintenance.
  - Failure of the product if it is abused, misused, altered, used commercially or used for other than the intended purpose.
  - Use of this product where water 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.
  - Damage to the product caused by accident, fire, floods or acts of God.
  - **Incidental or consequential damage caused by possible defects with this appliance, its installation or repair.**
- *For how long after the original purchase?*
  - Thirty (30) days.
- *How do I make a warranty claim?*
  - Return to the retailer from which it was purchased, along with a copy of the "Proof of Purchase." A new or reconditioned unit will be provided. This warranty excludes the cost of shipping the product to your home.

***EXCLUSION OF IMPLIED WARRANTIES—Your sole and exclusive remedy is product 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 one year or the shortest period allowed by law.***

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

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.

Contact us at [ge.com](http://ge.com), or call toll-free at 800.952.5039 in the U.S., or 866.777.7627 in Canada.

**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