

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

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

Standard No. 42: Aesthetic Effects								
Parameter	USEPA MCL	Influent Average	Influent Challenge Concentration	Effluent		% Reduction		Min. Required Reduction
				Average	Maximum	Average	Minimum	
Chlorine Taste & Odor	—	2.0 mg/L	2.0 mg/L \pm 10%	0.050625 mg/L	0.06 mg/L	97.52%	97.00%	\geq 50%
Particulate**	—	14,000,000 #/mL	at least 10,000 particles/mL	196,666 #/mL	370,000 #/mL	99.00%	97.40%	\geq 85%

Standard No. 53: Health Effects								
Parameter	USEPA MCL	Influent Average	Influent Challenge Concentration	Effluent		% Reduction		Min. Required Reduction
				Average	Maximum	Average	Minimum	
Turbidity	0.5 NTU***	10.5 NTU***	11 \pm 1 NTU***	0.125 NTU	0.30 NTU	98.80%	97.30%	0.5 NTU
Cysts	99.95% Reduction	122,500 #/L	Minimum 50,000/L	< 1 #/L	< 1 #/L	> 99.99%	> 99.99%	> 99.95%
Lead at pH 6.5	0.010 mg/L	0.150 mg/L	0.015 mg/L \pm 10%	< 0.001 mg/L	< 0.001 mg/L	> 99.30%	> 99.30%	0.010 mg/L
Lead at pH 8.5	0.010 mg/L	0.150 mg/L	0.015 mg/L \pm 10%	< 0.001 mg/L	< 0.001 mg/L	> 99.30%	> 99.30%	0.010 mg/L
Atrazine	0.003 mg/L	0.0102 mg/L	0.009 mg/L \pm 10%	0.00105 mg/L	0.0027 mg/L	89.40%	76.30%	0.003 mg/L
Lindane	0.0002 mg/L	0.0019 mg/L	0.002 mg/L \pm 10%	0.000035 mg/L	0.00016 mg/L	97.90%	91.80%	0.0002 mg/L

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

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

*** NTU=Nephelometric Turbidity units

Operating Specifications

- Capacity: certified for up to 750 gallons (2,838 l); up to six months
- Pressure requirement: 40–120 psi (2.8–8.2 bar)
- Temperature: 33–100°F (0.6–38°C)
- Flow rate: 0.5 gpm (1.9 lpm)

General Installation/Operation/Maintenance Requirements

- Flush 1.5 gallons (approximately 3 minutes) through filter before use. This will purge out trapped air.
- Replace cartridge when flow becomes too slow.

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 Standard 42 for the reduction of Chlorine Taste and Odor, Particulate Class I and Standard 53 for the reduction of Cyst, Lead, Lindane, Atrazine and Turbidity.



Manufactured for: General Electric Company, Louisville, KY 40225