



September 24, 2014

PENTAIR RESIDENTIAL FILTRATION LLC  
GARTH BABCOCK  
5730 N. GLEN PARK ROAD  
MILWAUKEE WI 53209

Re: Description: WATER TREATMENT DEVICE - ACTIVATED CARBON  
Manufacturer: PENTAIR RESIDENTIAL FILTRATION LLC  
Product Name: EVERPURE  
Model Number(s): EF-1500, EF-3000 AND EF-6000 (REPLACEMENT CARTRIDGES HAVE THE SAME MODEL NUMBERS AS THE OVERALL DEVICES)  
Product File No: 20140257

The specifications and/or plans for this plumbing product have been reviewed and determined to be in compliance with chapters SPS 382 through 384, Wisconsin Administrative Code, and Chapters 145 and 160, Wisconsin Statutes.

The Department hereby issues an approval based on the Wisconsin Statutes and the Wisconsin Administrative Code. This approval is valid until the end of September 2019.

This approval is contingent upon compliance with the following stipulation(s):

- This product has undergone sufficient testing to document the product's ability to reduce only those contaminants and/or substances as specified in this approval letter when the product is installed and maintained in strict accordance with the manufacturer's published instructions.
- Where the Department of Natural Resources (DNR) has jurisdiction, a written approval may be required prior to installation of this product in a water supply system to reduce the concentration of a contaminant that exceeds the primary drinking water standards contained in ch. NR 809, Wis. Admin. Code, the enforcement standards contained in ch. NR 140, Wis. Admin. Code, or for a water supply system that is subject to a written advisory opinion by the DNR. For more information contact the DNR Section of Private Water Systems, P.O. Box 7921, Madison, WI 53707, telephone (608) 267-9787.
- If these approved devices are modified or additional assertions of function or performance are made, then this approval shall be considered null and void, unless the change is submitted to the department for review and the approval is reaffirmed.
- These devices will only reduce the concentration of cysts/oocysts at water outlets that are served by the devices. Therefore, using point-of-use devices such as these will not protect all routes of potential exposure. Potentially hazardous exposures to cysts/oocysts will remain possible at unprotected outlets.

The presence of cysts/oocysts strongly suggests that other pathogens (e.g. bacteria, virus) may also be present.

If, by way of reputable water analyses, a water supply is known to contain cysts/oocysts, then all the water entering the residence must be treated at the point-of-entry, using an approved water treatment device, to address all potential routes of exposure thereby providing a biologically safe water supply.

- If the treatment components of this device (e.g., replacement cartridge) are replaced with anything other than those originally approved for use with this device, then this approval shall immediately be considered null and void.

- This filter is approved as a bacteriostatic device.

"Bacteriostatic" means that the filtration media within this device will not support the growth of naturally occurring bacteria. This means that under actual test conditions the number of naturally occurring bacteria coming out of the tested filter was not greater than the number of naturally occurring bacteria entering the filter.

This does not, in any way, mean that this device will make microbiologically unsafe water safe to consume. This does not mean that this device will kill or otherwise inactivate disease causing microorganisms.

The bacteriostasis claim applies only to the EF-6000 model.

**AESTHETIC CONTAMINANT REDUCTION CAPABILITIES  
 PRODUCT FILE NUMBER 20140257  
 TABLE 1 OF 3**

**Flow Rates:** 8.3 liters per minute (lpm) [2.2 gallon per minute (gpm)]  
**Capacities:** For free chlorine reduction:  
 EF-1500 = 5,678 liters (l) [1,500 gallons (gals.)]  
 EF-3000 = 11,356 l (3,000 gals.)  
 EF-6000 = 22,713 l (6,000 gals.)

For particulate reduction the capacity is dependent on the type and quantity of particulate matter present in the untreated water; the need for maintenance may be indicated by a significant decrease in flow rate.

Tested Contaminant	Influent Challenge (mg/l) <sup>* 1</sup>
Chlorine (free)	2.0 ± 10%
Particulates (0.5 to < 1.0 µm)	≥ 1.0 x 10 <sup>4</sup> #/ml

**Other Conditions:** the contaminant reduction performance capabilities displayed for Table 1 of 3 were verified by testing conducted in accordance with NSF *International* Standard 42. To qualify for free chlorine reduction, the device must reduce the influent challenge concentrations by ≥ 50%; meeting the free chlorine reduction requirements also qualifies the device for the reduction of aesthetic, organic, taste and odor reduction (e.g. geosmin, methylisoborneol); this does not include hydrogen sulfide. To qualify for particulate reduction (Class I) the device must reduce the influent challenge concentrations by ≥ 85%.

1 = milligrams per liter (mg/l) are equivalent to parts per million (ppm)  
 ≥ = greater than or equal to  
 ± = plus or minus  
 #/ml = particles per milliliter

< = less than  
 µm = micrometers  
 \* = unless otherwise specified

**HEALTH EFFECTING INORGANIC CONTAMINANT REDUCTION CAPABILITIES  
 PRODUCT FILE NUMBER 20140257  
 TABLE 2 OF 3**

**Flow Rates:** 8.3 liters per minute (lpm) [2.2 gallon per minute (gpm)]  
**Capacities:** EF-1500 = 5,678 liters (l) [1,500 gallons (gals.)]  
 EF-3000 = 11,356 l (3,000 gals.)  
 EF-6000 = 22,713 l (6,000 gals.)

Tested Contaminant	Influent Challenge Concentration (mg/l) <sup>1</sup>
Lead (Pb <sup>+2</sup> ) <sup>2</sup>	0.15 ± 10%

**Other Conditions:** the contaminant reduction performance capabilities displayed for Table 2 of 3 were verified by testing conducted in accordance with NSF *International* Standard 53. To qualify for lead reduction, the device must reduce the influent challenge concentrations such that all effluent concentrations are ≤ 0.010 mg/l.

1 = milligrams per liter (mg/L) are equivalent to parts per million (ppm)  
 \* = unless otherwise specified

2 = metals are tested at pH 6.5 and pH 8.5  
 ± = plus or minus

**HEALTH EFFECTING BIOLOGICAL CONTAMINANT REDUCTION CAPABILITIES  
PRODUCT FILE NUMBER 20140257  
TABLE 3 OF 3**

**Flow Rates:** 8.3 liters per minute (lpm) [2.2 gallon per minute (gpm)]  
**Capacities:** dependent on the type and quantity of particulate matter present in the influent water; the need for maintenance may be indicated by a significant decrease in flow rate.

Tested Contaminant	Influent Challenge (#/ml)
Cysts/Oocysts <sup>1</sup>	$\geq 5.0 \times 10^4$

**Other Conditions:** the contaminant reduction performance capabilities displayed for Table 3 of 3 were verified by testing conducted in accordance with NSF *International* Standard 53. To qualify for cyst/oocyst reduction, the device must reduce the influent challenge concentrations by  $\geq 99.95\%$  at each sample point.

<sup>1</sup> = the specific organisms covered under this testing protocol include cryptosporidium parvum, entamoeba histolytica, giardia lamblia and toxoplasma gondii

$\geq$  = greater than or equal to

#/ml = particles per milliliter

This device was tested under controlled laboratory, or field, conditions. The actual performance of this device for a specific end use installation will vary from the tested conditions based on local factors such as water pressure, water temperature and water chemistry.

The department is in no way endorsing this product or any advertising, and is not responsible for any situation which may result from its use.

Sincerely,

Glen W. Schlueter  
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Division of Industry Services  
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