



May 9, 2003

PENTAIR WATER TREATMENT
PLYMOUTH PRODUCTS
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CULLIGAN INTERNATIONAL
BETH HUPP
ONE CULLIGAN PARKWAY
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Re: Description: WATER TREATMENT DEVICE-ACTIVATED CARBON
Manufacturer: CULLIGAN INTERNATIONAL
Product Name: CULLIGAN FAUCET MOUNT FILTER
Model Number(s): FM-3 USING THE FM-3R CARTRIDGE
Product File No: 20020212

The specifications and/or plans for this plumbing product have been reviewed and determined to be in compliance with chapters Comm 82 through 84, 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 May 2008.

This approval supercedes the approval issued on September 18, 1997 under product file number 19970127.

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 manufacturers published instructions.
- For buildings not served by a municipal water supply, Department of Natural Resources (DNR) 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) 266-3415.
- If this approved device is 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.

Based on testing data submitted to and reviewed by the department, this approval recognizes that this plumbing product will reduce the concentration of contaminants as specified on pages 1 through 3 of this letter.

**AESTHETIC CONTAMINANT REDUCTION CAPABILITIES
 PRODUCT FILE NUMBER 20020212
 TABLE 1 OF 2**

Flow Rate: 1.9 liters per minute (lpm) [0.5 gallons per minute (gpm)]
Capacity: 1,514 liters (l) [400 gallons (gals.)] for free chlorine reduction and bacteriostasis[‡]. For particulate reduction, the capacity is dependent on the type and quantity of particulate matter present in the untreated water supply.

Tested Contaminant/Function	Influent Challenge (mg/l) ^{*, 1}
Bacteriostasis [‡]	1.0 x 10 ¹ - 1.0 x 10 ³ cells/ml
Chlorine (free)	2.0 ± 10%
Particulates (0.5 to < 1.0 µm)	1.0 x 10 ⁴ #/ml

Other Conditions: the contaminant reduction performance capabilities displayed for Table 1 of 2 were verified by testing conducted in accordance with NSF *International* Standard 42. To qualify as a bacteriostatic device, the device must reduce the influent challenge concentrations such that the geometric mean of the heterotrophic plate counts of the product water shall be no greater than that of the influent challenge water samples within a measurement precision of ± 20%. To qualify for free chlorine reduction, the device must reduce the influent challenge concentrations by ≥ 50%. 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) * = unless otherwise specified
 #/ml = particles per milliliter < = less than
 ≥ = greater than or equal to µm = micrometers
 ± = plus or minus cells/ml = cells per milliliter

‡ = bacteriostasis means that this device has demonstrated the capability of inhibiting the growth and/or limiting the passage of naturally occurring, non-pathogenic (i.e. not disease causing), heterotrophic bacteria such that the concentration of bacteria within the treated water does not exceed the concentration of bacteria in the untreated influent water. These bacteria are naturally occurring in the potable water supply and are regarded as harmless for people with healthy immune systems. However, some heterotrophic bacteria can become opportunistic pathogens towards persons who are immunosuppressed. This bacteriostatic device is not adequate to protect immunosuppressed individuals from opportunistic pathogens. This device is not approved for treating water that microbiologically unsafe or of unknown quality without adequate disinfection before or after this device. This bacteriostatic device does not provide adequate protection from disease causing microorganisms except as described in table 2 of 2 of this letter.

**HEALTH EFFECTING BIOLOGICAL CONTAMINANT REDUCTION CAPABILITIES
 PRODUCT FILE NUMBER 20020212
 TABLE 2 OF 2**

Flow Rate: 1.9 liters per minute (lpm) [0.5 gallons per minute (gpm)]
Capacity: dependent on the type and quantity of particulate matter present in the untreated water supply.

Tested Contaminant	Influent Challenge (#/ml)
Cysts/Oocysts ¹	≥ 5.0 x 10 ⁴

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 cyst/oocyst reduction, the device must reduce the influent challenge concentrations by ≥ 99.95% at each sample point.

1 = the specific organisms covered under this testing protocol include cryptosporidium parvum, entamoeba histolytica, giardia lamblia and toxoplasma gondii
 #/ml = particles per milliliter ≥ = greater than or equal to

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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 that may result from its use.

Sincerely,

Glen W. Schlueter
Engineering Consultant-Plumbing Product Reviewer
Bureau of Integrated Services
Safety and Buildings Division
Department of Commerce
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GWS:gws