



July 30, 2008

WATERCARE CORPORATION  
AL WILLEMS  
1025 E. ALBERT DRIVE  
PO BOX 1717  
MANITOWOC WI 54221-1717

Re: Description: WATER TREATMENT DEVICE- SOFTENER  
Manufacturer: WATERCARE CORPORATION  
Product Name: ELAN SERIES (POE)  
Model Number(s): UE86, UE89, UE1012 AND UE1015  
Product File No: 20080103

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 July 2013.

This approval supersedes the approval issued on July 24, 2003 under product file number 20080103.

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.
- 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) 266-3415.
- 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 cation exchange water softeners shall be sized, installed, programmed and maintained such that wastewater volumes, total dissolved solids and chloride discharges are minimized.

Based on testing data submitted to and reviewed by the department, this approval recognizes that these plumbing products will reduce the concentration of contaminants as specified on pages 1 through 2 of this letter.

**WATER SOFTENING CAPABILITIES  
 PRODUCT FILE NUMBER 20080103  
 TABLE 1 OF 1**

Model Numbers	Capacity*						Flow Rate vs. Pressure Loss
	Rating 1		Rating 2		Rating 3		
Elan Series	Grains	Pounds	Grains	Pounds	Grains	Pounds	gpm @ psig
Metered							
UE-86	12,000	4.0	15,300	6.0	16,900	8.0	6.4 @ 9.4
UE-89	18,000	6.0	23,000	9.0	25,300	12.0	5.4 @ 11.3
UE-1012	24,000	8.0	30,700	12.0	33,700	16.0	7.0 @ 13.0
UE-1015	30,000	10.0	38,300	15.0	42,200	20.0	6.4 @ 13.0

\* The softener capacity rating is based on grains of hardness, due to calcium and magnesium cations, removed (as calcium carbonate) while producing soft water between successive regenerations and is related to the pounds of salt required for each regeneration. The tests run to verify the data for table 1 of 1 were conducted in accordance with WQA standard S-100-85.

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  
 Engineering Consultant-Plumbing Product Reviewer  
 Bureau of Integrated Services  
 Safety and Buildings Division  
 Department of Commerce  
 (608) 267-1401 **Phone**  
 (608) 267-9566 **Fax**  
 glen.schlueter@wi.gov **Email**  
 8:00AM – 4:30PM CDT **Work Hours**

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