



**Jim Doyle, Governor**  
**Mary P. Burke, Secretary**

May 2, 2007

MARLO INCORPORATED  
MICHAEL GLINES  
2227 SOUTH STREET  
RACINE WI 53404-4070

Re: Description: WATER TREATMENT DEVICE- SOFTENER  
Manufacturer: MARLO INCORPORATED  
Product Name: WATERMANN IMPACT SERIES  
Model Number(s): IMPACT-7MM, IMPACT-8MM, IMPACT-9MM, IMPACT-10MM, IMPACT-12MM,  
IMPACT-7MMC, IMPACT-8MMC AND IMPACT-9MMC  
Product File No: 20060017

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 2012.

This approval supersedes the approval issued on May 31, 2001 under product file number 20002109.

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.
- All model numbers covered under this approval must be sold, and/or installed with proper labeling and a complete owner's manual/installation instructions. The labeling, manual and instructions must be complete and contain all the specific information agreed to during the review of these device model numbers.

Any device model that is sold or installed without the specific aforementioned information constitutes a violation of the terms of this approval, and renders any approval that may be in effect at the time null and void. Devices installed without proper labeling and a complete owner's manual/installation instructions may be ordered removed.

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 20060017  
 TABLE 1 OF 1**

<b>Model Numbers</b>		<b>Capacity*</b>						<b>Max. Rated Service Flow Rate</b>
<b>Impact Series</b>		<b>Rating 1</b>		<b>Rating 2</b>		<b>Rating 3</b>		
<b>Impact</b>	<b>Impact-C</b>	<b>Grains</b>	<b>Pounds</b>	<b>Grains</b>	<b>Pounds</b>	<b>Grains</b>	<b>Pounds</b>	<b>gpm @ psig</b>
Impact-7MM	Impact-7MMC	8,600	2.7	12,200	4.5	16,700	7.5	11.0 @ 15.0
Impact-8MM	Impact-8MMC	13,000	4.1	18,300	6.8	25,700	11.3	11.5 @ 15.0
Impact-9MM	Impact-9MMC	17,300	5.5	24,500	9.1	33,400	15.0	12.3 @ 15.0
Impact-10MM	-	25,900	8.2	36,700	13.6	50,000	22.5	11.8 @ 15.0
Impact-12MM	-	34,500	10.9	48,900	18.2	66,700	30.0	14.4 @ 15.0

\* 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 generate the data for table 1 were conducted in accordance with NSF Standard 44 .

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  
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