



January 16, 2014

WATER CONTROL CORPORATION
BRIAN SODERHOLM
7150 143RD AV. NW
RAMSEY MN 55303

Re: Description: WATER TREATMENT DEVICE - POE SOFTENER
Manufacturer: WATER CONTROL CORPORATION
Product Name: BRASSMASTER PLUS+
Model Number(s): WBP27, WBP35, WBPT27, WBPT35, WBPT48 AND WBPT60
Product File No: 20130390

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 January 2019.

This approval supersedes the approval issued on April 23, 2009 under product file number 20090117.

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 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 20130390
 TABLE 1 OF 1**

Model Numbers	Capacities*						Flow Rates vs. Pressure Losses
	Rating 1		Rating 2		Rating 3		
Brassmaster Plus	Grains	Pounds	Grains	Pounds	Grains	Pounds	gpm @ psig
Metered							
WBP27	11,524	2.7	18,265	5.4	24,744	13.5	9.5 @ 14
WBPT27	11,524	2.7	18,265	5.4	24,744	13.5	9.5 @ 14
WBP35	15,967	3.5	25,307	6.9	34,284	17.3	9.5 @ 14
WBPT35	15,967	3.5	25,307	6.9	34,284	17.3	9.5 @ 14
WBPT48	19,900	4.5	32,700	9.0	37,600	13.5	9.5 @ 14
WBPT60	26,500	6.0	43,600	12.0	50,100	18.0	9.5 @ 14

* 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. These devices are also approved for the reduction of **dissolved iron** to a maximum influent concentration of 3.0 mg/l. These devices are **not** approved for the reduction of particulate, bacterial or organically bound forms of iron. The iron must be speciated to determine if these devices will provide adequate treatment form iron. For the purposes of programming the valve, each mg/l of dissolved iron shall be counted as 5 gpg of hardness. If significant dissolved iron is present, then these devices should be set up to regenerate on a regular basis at the maximum salt setting.

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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 Bureau of Technical Services
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