



October 4, 2016

ZEROPOINT MFG. CO., INC.
JON S. JANKOWSKI
600 E KEEFE AVE
MILWAUKEE WI 53212

Re: Description: WATER TREATMENT DEVICE - SOFTENER/CATION EXCHANGE
Manufacturer: ZEROPOINT MFG. CO., INC.
Product Name: (trans id 2776212) IMPERIAL SERIES
Model Number(s): ZM190WSE, ZM225WSE, ZM280WSG, ZM350WSE AND ZM420WSE
Product File No: 20160233

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 October 2021.

This approval supersedes the approval issued on September 12, 2011 under product file number 20110245.

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

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.

WATER SOFTENING CAPABILITIES
PRODUCT FILE NUMBER 20160233
TABLE 1 OF 1

Model Numbers	Capacity*						Flow Rate vs. Pressure Loss
	Rating 1		Rating 2		Rating 3		
ZM-WS Series	Grains	Pounds	Grains	Pounds	Grains	Pounds	gpm @ psig
Metered							
ZM190WSE	13,000	4.1	18,300	6.8	25,700	11.3	8.4 @ 9.7
ZM225WSE	17,300	5.5	24,500	9.1	33,400	15.0	10 @ 10.7
ZM280WSG	19,000	6.0	26,900	10.0	36,700	16.5	10 @ 11.3
ZM350WSE	25,900	8.2	36,700	13.6	50,000	22.5	9.7 @ 10.3
ZM420WSE	34,500	10.9	48,900	18.2	66,700	30.0	12 @ 11.6

* 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 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.

Sincerely,



Glen W. Schlueter
 Environmental Engineer - Plumbing Product Reviewer
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