



December 19, 2013

WATER QUALITY ASSOCIATION  
STACIE OTT  
4151 NAPERVILLE ROAD  
LISLE IL 60532

KINETICO INCORPORATED  
WALTER VANCE  
10845 KINSMAN RD.  
NEWBURY OH 44065

Re: Description: WATER TREATMENT DEVICE - POE SOFTENER  
Manufacturer: KINETICO INCORPORATED  
Product Name: MONUMENT WATER SYSTEMS  
Model Number(s): SUMO I, SUMO II AND SUMO III  
Product File No: 20130368

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 December 2018.

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.
- When treating water for regulated contaminants no bypass piping, integral to the device or otherwise, is permitted.

If these devices are installed for the purposes of barium and/or radium reduction, then both the blending and bypass valves shall be maintained in the fully closed position at all times. Both the blending and bypass valves shall be permanently disabled in a manner that precludes the bypass of untreated water.

- At the time of installation, these devices shall be provided with an effective means to warn the users when they are not performing their function. This shall be accomplished by one of the following:
  1. sounding and alarm or flashing a light, each connected to an acceptable power source;
  2. providing a sampling kit for analysis of hardness or other appropriate contaminants; or
  3. providing a hardness monitor.

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 20130368  
TABLE 1 OF 1**

<b>Model Numbers</b>	<b>Capacity*</b>		<b>Max. Rated Service Flow</b>
	<b>Rating 1</b>		
Sumo Series	<b>Grains</b>	<b>Pounds</b>	<b>gpm @ psig</b>
I	1,631	0.45	9.0 @ 15
II	5,220	1.3	10.0 @ 15
III	6,817	1.5	11.0 @ 15

Softener capacity ratings are based on grains of hardness, due to calcium and magnesium cations, removed (as calcium carbonate) while producing soft water between successive regenerations and are related to the pounds of salt required for each regeneration. The tests run to generate the hardness reduction data for table 1 were conducted in accordance with NSF Standard 44.

Studies conducted on sulfonated poly-styrene di-vinyl benzene (SSDVBC) cation exchange media have documented that if hardness is reduced to less than 1.0 grain per gallon (17.1 mg/l), then barium and radium will also be effectively reduced. Thus, the capacity of these device for reducing barium and/or radium are based on the hardness reduction capacity ratings displayed above.

This device is efficiency rated (ER) at the lowest salt dosages displayed for each model (i.e. "Rating 1").

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  
Environmental Engineer - Plumbing Product Reviewer  
Department of Safety and Professional Services  
Division of Industry Services  
Bureau of Technical Services  
(608) 267-1401 Phone  
(608) 267-9723 Fax  
glen.schlueter@wi.gov E-mail