

December 16, 2010

AQUA CONSULTING  
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PIONETICS  
ERIC NYBERG  
151 OLD COUNTRY ROAD, SUITE A  
SAN CARLOS CA 94070

Re: Description: WATER TREATMENT DEVICE - DEIONIZATION  
Manufacturer: PIONETICS  
Product Name: LINX (POU)  
Model Number(s): 140 (POU)  
Product File No: 20090222

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 December 2015.

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 this approved device is 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 shall be provided with one of the following means to warn the user when the system is not performing its function:
  1. a nitrate/nitrite monitor on the product water stream; or
  2. a sampling and analysis kit for nitrate/nitrite with explicit instructions of recommended frequency of analysis.

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

**AESTHETIC INORGANIC CONTAMINANT REDUCTION CAPABILITIES  
PRODUCT FILE NUMBER 20090222  
TABLE 1 OF 2**

**Product Water Production Rate:** 1.9 liters per minute (lpm) [0.5 gallons per minute (gpm)]  
**Capacity:** 11.4 liters (l) per cycle [3 gallons (gals.) per cycle]

<b>Tested Contaminant</b>	<b>Average Influent Challenge (mg/l)<sup>1</sup></b>
Total Dissolved Solids (NaCl surrogate)	400 ± 10%

**Other Conditions:** the contaminant reduction performance capabilities displayed for Table 1 of 2 were verified by testing conducted in accordance with an altered version of NSF *International* Standard 42. The primary alteration was to decrease the influent challenge concentration from 750 mg/l to 400 mg/l. To qualify for total dissolved solids (TDS) reduction, the device must reduce the influent challenge concentrations by ≥ 75%.

<sup>1</sup> = milligrams per liter (mg/l) are equivalent to parts per million (ppm)  
± = plus or minus

≥ = greater than or equal to

**HEALTH EFFECTING INORGANIC CONTAMINANT REDUCTION CAPABILITIES  
PRODUCT FILE NUMBER 20090222  
TABLE 2 OF 2**

**Product Water Production Rate:** 1.9 lpm (0.5 gpm)  
**Capacity:** 11.4 l per cycle (3 gals. per cycle)

<b>Tested Contaminant</b>	<b>Tested Influent Concentration (mg/l)<sup>1</sup></b>
Nitrate (NO <sub>3</sub> <sup>-</sup> )	27.0 ± 10%
Nitrite (NO <sub>2</sub> <sup>-</sup> )	3.0 ± 10%

**Other conditions:** the contaminant reduction capabilities displayed for table 2 of 2 were generated by testing conducted in accordance with NSF/ANSI Standard 58. To qualify for nitrate/nitrite reduction, the device must reduce the influent challenge water concentrations, such that all effluent concentrations are ≤ 10.0 mg/l (as N), also, no more than 1.0 mg/l (as N) shall be in the form of nitrite. **For nitrate/nitrite reduction, the “Dial-A-Taste” setting must be minimum TDS setting (fully counterclockwise).**

<sup>1</sup> = milligrams per liter (mg/l) are equivalent to parts per million (ppm)  
≤ = less than or equal to

± = plus or minus

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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Safety and Buildings Division  
Department of Commerce  
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