



January 4, 2016

STONEHOUSE WATER TECHNOLOGIES
HENSLEY FOSTER
247 FRESHWATER WAY, STE 310
MILWAUKEE WI 53204

Re: Description: WATER TREATMENT DEVICE - ULTRAVIOLET DISINFECTION
Manufacturer: STONEHOUSE WATER TECHNOLOGIES
Product Name: WATER POD (trans id xxxxxxx)
Model Number(s): R-2
Product File No: 20150302

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 2021.

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.
- The UV unit used within this device shall be the NSF Standard 55 listed, Class A rated, Viqua Pro10:

<http://dsps.wi.gov/sb/docs/sb-ppalopp/wtd/20120396.pdf>

The UV device shall include a narrow band monitor, solenoid valves and provide a minimum EOL lamp life UV dose of ≥ 40 mJ at the failsafe set point. When the UV dose falls below this minimum level then the sensor shall signal the fast acting solenoid to halt the flow of water, in addition a visual or audible alarm is *suggested*.

The UV device shall be installed in a vertical orientation.

- The influent water to the UV component shall have a UVT $\geq 75\%$.
- All PEX piping shall conform to ASTM 876/877
- All water containers provided to consumers by Stonehouse Water Technologies shall conform to NSF Standard 61 and/or pertinent aspects of FDA CFR establishing the container materials are acceptable for contact with potable water.

- Microbiological reduction performance claims are based entirely on the performance of the specified UV system. No disinfection credit is given for the UF component of this system.
- To be installed on municipal water supplies that otherwise meets all applicable public health standards. The Viqua Pro10 conforms to NSF Standard 55, Class A, for the disinfection of microbiologically contaminated water that meets all other public health standards. The UV system is not intended to convert wastewater or raw sewage to drinking water. The UV system is intended to be installed on visually clear water.
- These systems shall only be installed by properly licensed Wisconsin plumbers.

HEALTH EFFECTING BIOLOGICAL CONTAMINANT REDUCTION CAPABILITIES
PRODUCT FILE NUMBER 20150302
TABLE 1 OF 1

Flow Rate: Pro 10 = 37.9 lpm (10.0 gpm)
Lamp Replacement Interval: 12 months (max.)

Tested Contaminant	Influent Challenge (PFU/ml) ²
MS2 Bacteriophage ¹	$\geq 5.0 \times 10^4$

Other Conditions: the contaminant reduction performance capabilities displayed for Table 1 of 1 were verified by testing conducted in accordance with NSF *International* Standard 55. To qualify for Class A performance, the device must reduce the influent challenge concentrations by an amount \geq that achieved using an UV dosage of 40 mJ.

1 = ATCC 15597-B

2 = plaque forming units per milliliter

\geq = greater than or equal to

This Class A system conforms to NSF Standard 55 for the disinfection of microbiologically contaminated water that meets all other public health standards. These systems are not intended for the treatment of water that has an obvious contamination source (i.e. raw sewage), nor are these systems intended to convert wastewater to microbiologically safe drinking water. These systems are intended for installation on optically clear water (not colored, cloudy, or turbid water). Where concerns over adenovirus exist, supplemental chlorination may be required.

Please see the attached document regarding water vending machines, which is intended for business owners that have a device installed on their premises.

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
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ATTENTION GROCERS AND CONVENIENCE STORE OWNERS

THINKING OF SELLING WATER FROM A TAP?

THEN THIS FACT SHEET IS FOR YOU.

- All water treatment devices used in the direct sale of drinking water on your premises must have written plumbing product approval from the Wisconsin Department of Safety and Professional Services (DSPS) prior to installation (Chapter SPS 384 Wis. Adm. Code).
- Manufacturers of water treatment devices are responsible for obtaining plumbing product approval.
- A properly licensed Wisconsin plumber must perform the installation of water treatment devices and components.
- The municipality having jurisdiction may require local installation permits.
- Regular and proper periodic maintenance is required to assure acceptable performance.
- Advertised or posted claims about the quality of the vended water product water may not exceed the specifications detailed in the plumbing product approval letter from DSPS. We **strongly** recommend that copies of the pertinent approval letters be obtained directly from the product manufacturer or here:

http://dsps.wi.gov/php/sb-ppalopp/prodcode_result.php/WTDBW/WATER_TREATMENT_DEVICE_-_BOTTLED_WATER_VENDING_MACHINE
- Coin operated water vending machines must be registered annually with the Wisconsin Department of Health Services (DHS). A vending operator's permit must also be obtained from DHS (Chapter DHS 198 Wis. Adm. Code).
- Coin operated vending machines shall be listed with the National Automatic Merchandising Association (NAMA) or the National Sanitation Foundation International in addition to being DSPS approved (Chapter DHS 198 Wis. Adm. Code)

- For additional information about DHS requirements please contact:

Telephone: 608-266-2835

DHSFSRLgroup@wisconsin.gov (email)

Mailing Address:

Division of Public Health
Food Safety and Recreational Licensing
PO Box 2659
Madison WI 53701-2659

Location Address:

Division of Public Health
Food Safety and Recreational Licensing
1 W Wilson Street, Room 150
Madison WI 53703

Many areas in Wisconsin are regulated by local public health departments rather than the Wisconsin Department of Health Services. If your facility is not in one of the jurisdictions where the State has jurisdiction, then you should contact the Local Public Health Department.

- The Wisconsin Department of Agriculture, Trade and Consumer Protection (DATCP) requires that treated drinking water be tested periodically for contaminants. Records of such testing must be available for review by food inspectors (Chs. Ag 32 and 40 Wis. Adm. Code)
- If water is **bottled** and sold from store shelves, written DSPS approval of the water treatment device is not required. However, the plumbing installation must conform to the chs. 381-33387 Wis. Adm. Code (statewide uniform plumbing code). In addition, periodic inspections and monitoring of the bottling operation and water quality is required by DATCP.

- For additional information about DATCP requirements, please contact

Wisconsin Department of Agriculture, Trade and Consumer Protection

Division of Food Safety

2811 Agriculture Drive, 3rd Floor

Madison WI 53708

(608) 224-4700

food@datcp.state.wi.us (email)

http://datcp.wi.gov/Environment/Water_Quality/index.aspx (web)