



March 15, 2016

REVISED

VIQUA
TROJAN TECHNOLOGIES
ANA-MARIA BOGATAN
425 CLAIR ROAD WEST
ONTARIO
CANADA N1L 1R1

Re: Description: WATER TREATMENT DEVICE - POE ULTRAVIOLET DISINFECTION
Manufacturer: VIQUA
Product Name: TROJAN UV MAX
Model Number(s): PRO 7, PRO 10, PRO 15, PRO 20, PRO 30, PRO 50 AND SV 50
Product File No: 20120396

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 February 2018.

This approval supersedes the approval issued on September 30, 2010 under product file number 20100329.

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.
- These devices must be installed with a 254 nanometer wavelength narrow band ultra violet monitor. The monitor must energize the normally closed inlet solenoid at a minimum ultra violet dosage of 40,000 microwatt-seconds per square centimeter (40 millijoules) at a wavelength of 254 nanometers.
- If these devices are used for the treatment of surface waters, or groundwaters affected by surface waters, then pre-filters approved by this department for cyst reduction must be installed upstream of these devices.
- These devices must be installed with automatic flow sensors that prevent flow above the manufacturer's maximum rated flow over the operating pressure range recommended by the manufacturer. The flow controls must be installed on the inlets of these devices.
- The normally closed solenoid valves must be installed on the outlets of these devices.

- 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.

**HEALTH EFFECTING BIOLOGICAL CONTAMINANT REDUCTION CAPABILITIES
PRODUCT FILE NUMBER 20120396
TABLE 1 OF 1**

Flow Rate: Pro 7 = 31.0 Liters per minute (lpm) [8.2 gallon per minute (gpm)]
Pro 10 = 37.9 lpm (10.0 gpm)
Pro 15 = 67.4 lpm (17.8 gpm)
Pro 20 = 75.7 lpm (20 gpm)
Pro 30 = 113.6 lpm (30 gpm)
Pro 50 = 189.3 lpm (50 gpm)
SV 50 = 189.3 lpm (50 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

These Class A systems conform 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.

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
Plumbing Product Reviewer
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Division of Industry Services
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