



March 5, 2012

VIQUA
TROJAN TECHNOLOGIES
ANA-MARIA BOGATAN
425 CLAIR ROAD WEST
GUELPH ON N1L-1R1

Re: Description: WATER TREATMENT DEVICE - POE ULTRAVIOLET SUPPLEMENTAL
Manufacturer: VIQUA
Product Name: STERILIGHT SILVER
Model Number(s): SV5Q-PA, SV8Q-PA, SV12Q-PA, SSMV-24, SSMV-37 AND SSMV-39
Product File No: 20120067

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 March 2017.

This approval is contingent upon compliance with the following stipulation(s):

- These devices are designed for the supplemental treatment of disinfected municipal drinking water, or other water that has been tested and deemed acceptable for human consumption by the state of local health agency having jurisdiction. These devices are designed to reduce normally occurring nonpathogenic nuisance microorganisms only. These devices are not intended for the disinfection of microbiologically unsafe water and may not carry microbiological health effects claims.

These devices are capable of delivering a UV dose at a wavelength of 254 nm at least equivalent to 16 mJ/cm² at 70% of the normal UV lamp output or at the alarm set point.

- 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.

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.

**AESTHETIC BIOLOGICAL CONTAMINANT REDUCTION CAPABILITIES
PRODUCT FILE NUMBER 20120067
TABLE 1 OF 1**

Flow Rates: SV5Q-PA and SSMV-24 = 13.6 liters per minute (lpm) [3.6 gallon per minute (gpm)]
SV8Q-PA and SSMV-37 = 26.5 lpm (7.0 gpm)
SV12Q-PA and SSMV-39 = 34.8 lpm (9.2 gpm)

Maintenance interval: 9,000 hours

Tested Contaminant	Influent Challenge (cells/ml)
Saccharomyces cerevisiae (ATCC# 18824)	$1.0 \times 10^4 - 1.0 \times 10^5$

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 B” microbial reduction performance the device must cause the geometric mean of all *S. cerevisiae* counts on influent samples minus the geometric mean of counts on all effluent samples shall demonstrate that a log reduction \geq than the reduction caused by a dose of 16 mJ/cm^2 was achieved as calibrated in annex B of NSF Standard 55.

cells/ml = cells per milliliter

\geq = greater than or equal to

mJ/cm² = millijoules per square centimeter

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. Schluter
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GWS:gws