



October 21, 2016

VIQUA
TROJAN TECHNOLOGIES
RAMONA IORGULESEU
425 CLAIR ROAD WEST
ONTARIO
CANADA N1L 1R1

Re: Description: WATER TREATMENT DEVICE - ULTRAVIOLET SUPPLEMENTAL
Manufacturer: VIQUA
Product Name: (trans id 2778850) STERILIGHT COBALT UV SYSTEMS
Model Number(s): VH200, VH410, VH410M, VP600, VP600M, VP950 AND VP950M (M = 254 nm MONITOR INCLUDED)
Product File No: 20160246

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 October 2021.

This approval supersedes the approval issued on November 11, 2011 under product file number 20110300.

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 automatic fixed flow rate controls 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 outlets of these devices.
- The normally open solenoid valves must be installed on the inlets 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.
- The installation and use of these devices shall conform to the most current version of the document entitled "DNR Criteria for Ultraviolet (UV) Water Treatment Systems for Private and Non-Community Public Water Supplies to Control Microbiological Contamination".

- These devices are intended for the supplemental bactericidal treatment of disinfected public drinking water or other drinking water that has been tested and deemed acceptable for human consumption by the state or local health agency having primary jurisdiction. These devices are intended to inactivate normally occurring, nonpathogenic, nuisance microorganisms only. These devices are not intended for the disinfection of microbiologically unsafe water and are not approved for cyst inactivation. No microbiological health claims of any type may be made, implied or inferred for these devices.

AESTHETIC BIOLOGICAL CONTAMINANT REDUCTION CAPABILITIES
PRODUCT FILE NUMBER 20160246
TABLE 1 OF 1

Flow Rates: VH200 = 60.6 liters per minute (lpm) [16.0 gallon per minute (gpm)]
 VH410/VH410M = 128.7 lpm (34.0 gpm)
 VP600/VP600M = 151.4 lpm (40.0 gpm)
 VP950/VP950M = 227.1 lpm (60.0 gpm)

Lamp replacement 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

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
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Division of Industry Services
Bureau of Technical Services
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