

BASIC AND MONITORED MODELS DRINKING WATER SYSTEMS



The **Sterilight Cobalt™** line of drinking water systems incorporate high-output UV lamp technology coupled with effective filtration, to give you a comprehensive “whole house” system.

WHAT MAKES THE COBALT DWS GOOD FOR YOUR APPLICATION?

- **Sterilume™ -HO** UV lamps - feature an advanced proprietary coating allowing for consistent UV output over the entire life of the lamp, (9000 hours). High Output lamp technology allows you to treat high flow rates, in a more compact space
- 4-log (99.99%) destruction of bacteria, virus and protozoan cysts (*Giardia lamblia* and *Cryptosporidium*) at rated flow will keep your water safe to drink without adding chemicals
- **Cobalt™ ICE** controller provides constant output current and a universal power input (100-240V./50-60Hz.), as well as visually displaying remaining lamp life and total days of operation and in the monitored systems, % UV output. The controller will go into alarm if the lamp fails for any reason to notify you of the failure and keep your family safe.
- Sealed case on the controller helps to prevent damage from accidental water intrusion
- Stainless steel reactor provides long life and eliminates the possibility of degradation from exposure to high intensity UV light
- Compact design reduces installation time and takes less space
- Lamp can be changed without interrupting the water flow

WHY SHOULD I CONSIDER A COBALT DRINKING WATER SYSTEM?

- System will accommodate a variety of 10” or 20” cartridge elements. All systems sold with cartridges. Recommended Cartridges: CMB-510-HF, 10” sediment, 5μ, CMB-520-HF, 20” sediment, 5μ, C2-01, 10” modified block carbon, C2-02, 20” modified block carbon
- High flow polypropylene filter housings with 1” full flow connections, available in either 10” or 20” versions
- Quick connect union and drain port allow for easy maintenance and winter storage if required
- Solid steel mounting bracket, compact design and easy to install

WATER IQ

In addition to bacteria (*E. coli*), virus, algae, mould and others, Sterilight UV systems are effective against protozoa such as *Cryptosporidium* and *Giardia lamblia*. UV effectively **DESTROYS** these protozoan cysts at dosage levels well within the levels delivered by all Sterilight ultraviolet disinfection systems.

BASIC

SC-200-DWS11 – comes with two 10” high flow filter housings

SC-320-DWS12 – comes with one 10” and one 20” high flow filter housings

SC-320-DWS22 – comes with two 20” high flow filter housings

PLUS (with UV intensity monitor)

SCM-200-DWS11 – comes with two 10” high flow filter housings

SCM-320-DWS12 – comes with one 10” and one 20” high flow filter housings

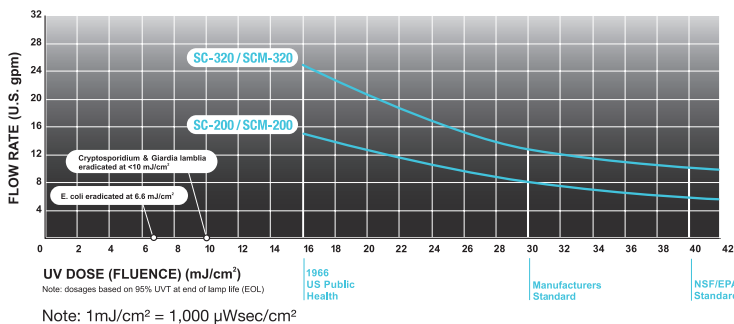
SCM-320-DWS22 – comes with two 20” high flow filter housings



SPECIFICATIONS

| MODEL | SC-200-DWS11/ SCM-200-DWS11 | SC-320-DWS12/ SCM-320-DWS12 | SC-320-DWS22/ SCM-320-DWS22 |
|--|---|---|---|
| FLOW RATES¹ | | | |
| US Public Health (16 mJ/cm ²) | 56.8 lpm (15 gpm) (3.4 m ³ /hr) | 94.6 lpm (25 gpm) (5.7 m ³ /hr) | 94.6 lpm (25 gpm) (5.7 m ³ /hr) |
| VIQUA Standard (30 mJ/cm ²) | 30.3 lpm (8 gpm) (1.8 m ³ /hr) | 49.2 lpm (13 gpm) (3.0 m ³ /hr) | 49.2 lpm (13 gpm) (3.0 m ³ /hr) |
| NSF/EPA (40 mJ/cm ²) | 22.7 lpm (6 gpm) (1.4 m ³ /hr) | 37.8 lpm (10 gpm) (2.3 m ³ /hr) | 37.8 lpm (10 gpm) (2.3 m ³ /hr) |
| DIMENSIONS | | | |
| Overall Dimensions (Width x Depth x Height) | 59.7 cm x 20.3 cm x 56 cm (23.5" x 8" x 22") | 62 cm x 20.3 cm x 69.3 cm (24.4" x 8" x 27.3") | 62 cm x 20.3 cm x 69.3 cm (24.4" x 8" x 27.3") |
| Inlet/Outlet Port Size | Combo- 3/4" FNPT & 1" MNPT | | |
| Shipping Weight | 15.4 kg (34 lbs.) | 17.7 kg (39 lbs.) | 20 kg (44 lbs.) |
| ELECTRICAL | | | |
| Voltage | 100-240V/50-60Hz | 100-240V/50-60Hz | 100-240V/50-60Hz |
| Power Consumption | 35 W | 42 W | 42 W |
| Lamp Watts | 30 W | 36 W | 36 W |
| Maximum Operating Pressure | 8.62 bar (125 psi) | 8.62 bar (125 psi) | 8.62 bar (125 psi) |
| Ambient Water Temperature | 2-40°C (36-104°F) | 2-40°C (36-104°F) | 2-40°C (36-104°F) |
| Lamp Type | Sterilume™ -HO (high-output) | | |
| Visual "Power-On" | Yes | Yes | Yes |
| Audible Lamp Failure | Yes | Yes | Yes |
| Lamp Replacement Reminder | Yes | Yes | Yes |
| Visual Lamp Life Remaining | Yes | Yes | Yes |
| Total Running Time | Yes | Yes | Yes |
| Chamber Material | 304 SS | 304 SS | 304 SS |
| Filter Housing | two 10" high flow | one 10" & one 20" high flow | two 20" high flow |
| SCM MODELS ONLY | SCM-200 | SCM-320 | |
| 254nm UV Monitor | Yes | Yes | |
| Solenoid Output (<i>solenoid not included</i>) | Yes | Yes | |
| 4-20 mA Output | Yes (optional 260134) | | |

¹Flow Flow rates stated @ 95% UVT EOL (flow rates based on UV system only, actual DWS system flow rates will vary and will be limited by the installed cartridge)



REPLACEMENT PARTS

- S200RL-HO – UV lamp for 200 systems
- QS-200 – quartz sleeve for 200 systems
- S320RL-HO – UV lamp for 320 systems
- QS-320 – quartz sleeve for 320 systems
- OR-212 – o-ring for quartz sleeves
- RN-001 – gland-nut for all systems
- BA-ICE-C – controller (100-240V/50-60Hz) for SC models
- BA-ICE-CM – controller (100-240V/50-60Hz) for SCM models
- 254-C1 – UV monitor assembly for SCM models

WARRANTY

Sterilight disinfection systems carry a seven year warranty on the stainless steel reactor chamber, a one year warranty on UV lamps, quartz sleeves, and UV sensor, and a five year pro-rated warranty on all other components.

VIQUA™

A TROJAN TECHNOLOGIES COMPANY

425 Clair Road West Guelph, ON Canada N1L 1R1
t. 519 763 1032 t.f. 800 265 7246 f. 519 763 5069 www.viqua.com

♻️ LIT-0107199 (10/09) Printed in Canada. © 2009 VIQUA - a Trojan Technologies Company
No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means without the written permission of VIQUA.

