

## liqui-violet POINT-OF-ENTRY UV DISINFECTION

Self-Cleaning  
Ultraviolet Disinfection

## WHY UV DISINFECTION?

Advanced UV systems are the first line of defense against harmful bacteria in your incoming water. UV disinfection inactivates the broadest spectrum of microorganisms, including cysts like Giardia and Cryptosporidium, and viruses and bacteria such as Mycobacteria, Pseudomonas and Legionella. UV Pure's Hallett UV systems are uniquely self-cleaning, self-monitoring, and fail safe. The Hallett 2-lamp reflective design eliminates the risks associated with conventional single-lamp UV systems.

By combining with point-of-entry filtration to address corrosion particulate and copper silver ionization to address replicating bacteria, your facility has the broadest spectrum approach for eliminating drinking water concerns in your building water system.

## BENEFITS

- ✓ **Easy and minimal maintenance**  
Engineered for minimal labor with simple and quick lamp changes
- ✓ **Low operational cost**  
Power saving design with no labor cost
- ✓ **Quick and easy to install**  
Compact size uses minimal operating room space, with a minimal start up wait time.



### Unique Self-Cleaning Design

Patented automatic wiper-blade systems keep quartz from accumulating biofilm and scaling, minimizing maintenance and disruption of disinfection.



### More Effective UV Treatment

- ✓ Reduces pathogens by over 99.99%
- ✓ Reflective design makes it 2.4 times more efficient than conventional UV systems

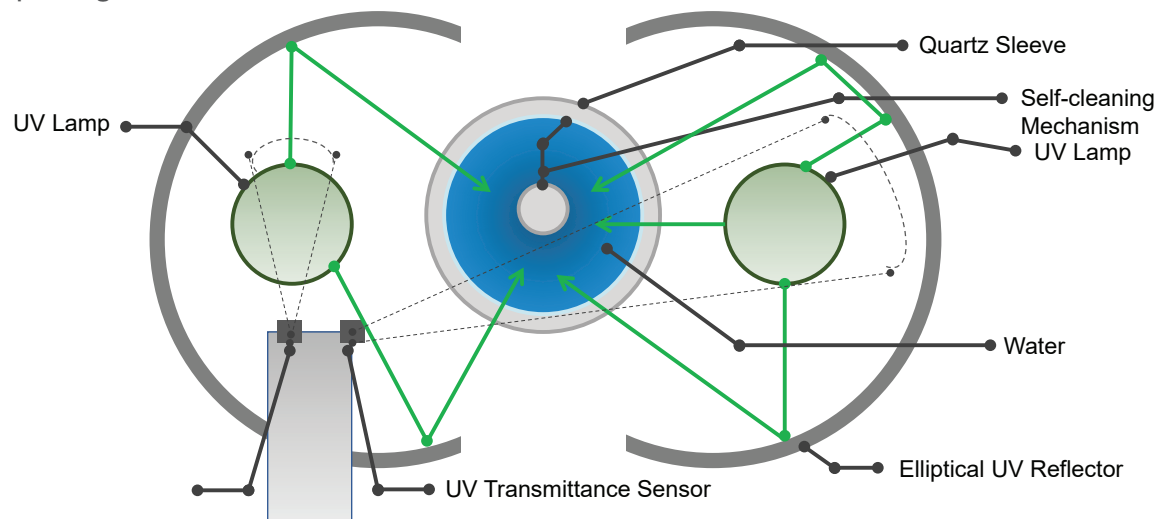


### Smart, Fail-Safe Technology

Uses on-board data logging and self-diagnostic troubleshooting logic.

## HOW IT WORKS

HALLETT® with Crossfire Technology® UV water purification systems outperform conventional systems by delivering highly effective UV dosage rates for the inactivation of pathogens, viruses and bacteria.



- ✓ Incorporates two proprietary high-output UV lamps, with elliptical reflectors that target pathogens with radiation from 360 degrees.
- ✓ Uses dual smart UV sensors mounted in air, which cannot foul.
- ✓ Air cooled lamps maintain consistent levels of UV output.
- ✓ Computerized alarms and an auto shutoff, fail-safe valve are integrated so you know only safe water can enter your water system.
- ✓ Stainless steel wiper is used to clean the inside of the quartz sleeve, eliminating quartz fouling and the need for a water softener, delivering safe drinking water.

## TECHNICAL SPECIFICATIONS

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| <ul style="list-style-type: none"> <li>✓ Elliptical reflectors focus energy 360°—ending UV shadowing.</li> <li>✓ Lamps are air cooled and do not overheat, meaning no loss of dose in no-flow or low-flow conditions.</li> <li>✓ Dual smart UV Sensors continuously monitor UV dose, lamp intensity (UVI), and net UV transmittance (UVT).</li> <li>✓ Simple, inexpensive power requirements; single-phase 115 or 240 volt.</li> </ul> | <ul style="list-style-type: none"> <li>✓ Low pressure, high output proprietary lamps; rated for 9,000 hours (1 year) of continuous use.</li> <li>✓ Standard power conditioner protects against surges and brown-outs (115 volt models).</li> <li>✓ Redundancy incorporated in multiplexed higher flow applications; no extra unit(s) needed.</li> </ul> |
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Patented in US 6,707,048, Canada 2,463,503, Australia 2002333084, and Mexico 248805. Patents pending in Europe, Eurasia, Japan, and UK.