The Perfect Solution for OEMs

STRIKE II-C

The Strike II-C is Class 'B' certified, featuring Acuva's patented IntenseBeam Technology. This is an advanced design that enables efficient disinfection of drinking water for PoU applications and OEM integration.

The Acuva™ Strike II-C UV-LED Water Disinfection System

NSF/ANSI 55 Class 'B' certified at 2 L/min
(Delivers a UV Dose of > 16 mJ/cm² at device end of life)

Strike II-C is Certified by IAPMO R&T Against: NSF/ANSI 372 Drinking Water System Components - Lead Content

Certified by IAPMO R&T against **NSF/ANSI 55 and NSF/ANSI 372**

EPA Est. No.: 98339-CAN-1

Strike II-C is certified by IAPMO R&T to NSF/ANSI 55 Class "B" for the supplemental bacterial 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 jurisdiction. The system is only designed to reduce normally occurring non-pathogenic nuisance microorganisms. Class B systems are not intended for treatment of contaminated water. It is also certified by IAPMO R&T to NSF/ANSI 372.

Key Highlights

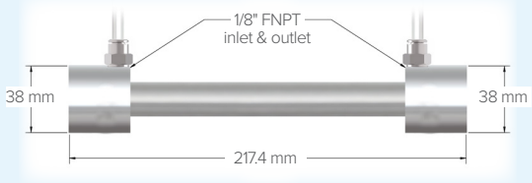
READY TO ADOPT
Our NSF/ANSI 55 Class 'B' certified system works seamlessly with your electronics and is ready to be integrated into your appliances

IDEAL FORM-FACTOR
Enables convenient integration and installation.

MAINTENANCE FREE
Requires no quartz cleaning or reactor wash as a result of scaling

ECO-FRIENDLY SOLUTION
Chemical-free water treatment that eliminates the need for plastic water bottles

SAFE & CONVENIENT
Utilization of drinking water-safe stainless steel guarantees no micro-plastic forms as a result of UV exposure



Note: Wire harness includes a jacketed cable with 4 wire termination.

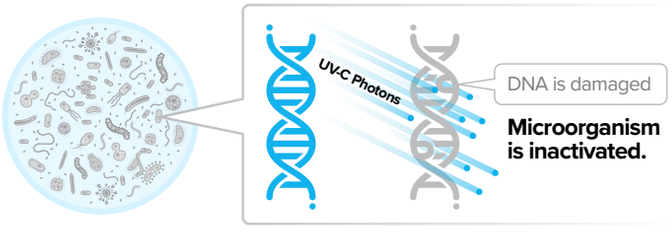
Hassle Free Installation

Strike II-C with an ideal form factor, stainless steel body, and zero maintenance is a perfect solution for OEMs. Its NSF/ANSI 55 and NSF/ANSI 372-Lead free certifications promise drinking water safe material and a minimum UV dose of 16 mJ/cm² at the device end of life at 2 L/min.

Our patented *Direct Cooling* technology does not require any moving mechanical parts or separate heat sink, enabling a compact design with the smallest possible form-factor, making it ideal for appliance integration.

UV-LED Disinfection

When water with harmful microbial pathogens enter the UV-LED reactor, the UV radiation sterilizes the pathogens by disrupting their DNA. Our patented ***IntenseBeam*** Technology inactivates any microorganisim present in the water, making them unable to infect or multiply.



STRIKE II-C

Disclaimer: The specifications noted below are for illustrative purposes only. Strike II-C can be engineered into a variety of configurations, and specifications will vary depending on required UV dose requirements, body material, module length, flow rate, etc. Acuva's patented design allows for precise control of optics, hydrodynamics and kinetics for highly accurate UV-LED water treatment.

Recommended Operating Conditions

	Unit	Minimum	Typical	Maximum	Notes
UV Transmittance of Water	%/cm	-	95	-	UVC Range
Water Flow Rate	L/min	-	-	6*	
Max. Working Pressure	psi	-	-	100	
Water Temperature	°C	Above Freezing	30	40	
Continuous Operation Time	min	-	No Limit	-	

* Disinfects 99.99% of *E. coli* verified by Acuva Technologies Inc.

Electrical Characteristics

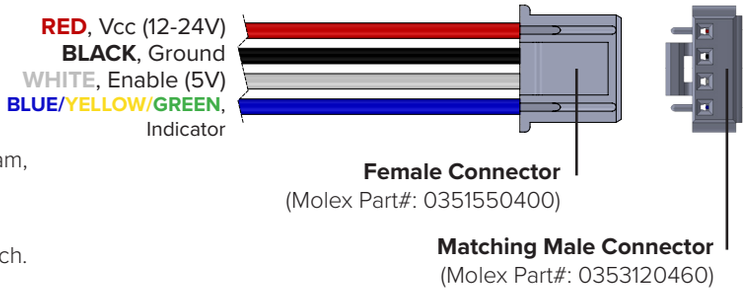
	Unit	Minimum	Typical	Maximum	Notes
Input Voltage	V	11	15	24	
Power Consumption (operation)	W	-	9	-	
Power Consumption (standby)	W	-	< 0.3	-	
Wire Harness Pull Stress	gf	-	250	300	

Connection: Wire Harness Connector

Signals: Vcc (Red), Ground (Black), Enable 5V (White), Fault/Indicator (Blue)

Notes

1. Wire harness color codes and functions are noted in the diagram, along with wire harness connector details.
2. Indicator signal communicates the module's health
3. The Enable signal is provided by the control board or flow switch. 2.5–5.0V = LED On | 0.0–0.2V = LED is Off



Absolute Maximum Ratings

	Unit	Rating
Input Voltage	V	30
Reverse Input Voltage	V	0.3
Enable Pin Voltage	V	5.5
Water Temperature	°C	50
Electrostatic Discharge (DST)	KV	2.0 (HBM)

Why Acuva?

Acuva Technologies Inc. is a world leader in UV-LED disinfection systems. Acuva's patented, state of the art water disinfection technology is designed and manufactured in Canada.

We design, manufacture and integrate the most advanced, compact, energy efficient and ultra-low maintenance water purification systems possible to provide our customers with access to safe drinking water, anywhere they are.

All products are backed with exceptional customer service and a 1 year warranty.

NEXT-GENERATION INNOVATION DESIGNED IN CANADA