



UV-C LED Water Purifier

—IN-UVC-4LC

Compact Size · High Performance · Worry-Free Installation

INSTAUV UVC LED Water Disinfection System featuring independently developed high-performance UVC LED devices and unique structure, it outperforms traditional mercury lamp solutions with higher disinfection efficiency, better stability and faster response. It redefines domestic and commercial water safety via technology—from efficient sterilization and durability to easy installation and smart energy saving. Ideal for under-sink use, it kills 99.999% of bacteria, needs no maintenance and is safer (mercury-free).

Key Features

- **Safe: Mercury-Free UV-C LED Technology**-Environmentally friendly, non-toxic, and compliant with global regulations.
- **Effective:** Achieves up to **99.999% Pathogen Reduction** (5.0 log) against bacteria, viruses, and microbes.
- **Efficient:** Up to **90% energy savings** with low power operation, reducing costs.

Product Overview

- Designed for disinfection, the IN-UVC-4LC uses **mercury-free UV-C LEDs** (270-280 nm) to deliver **up to 99.999% pathogen reduction**, ensuring safe, clean water. Every module undergoes **100% efficacy and water tight testing**, ensuring quality and durability.



Effective Disinfection



Low Maintenance



100% Efficacy Test



Intelligent



Easy to Install



Eco-Friendly & Energy-Efficient



Daily Drinking Water



Kitchen



Bathroom



Catering Industry

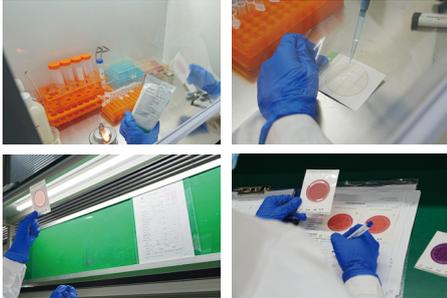


Food and Beverage Processing



Medical and Laboratory Water

100% Disinfection Efficacy Test



Control	5.7×10 ⁵ CFU/mL	3.6×10 ⁵ CFU/mL	3.1×10 ⁵ CFU/mL
Control Group Image(10,000 dilution)			
57CFU	36CFU	31CFU	
Test Group Image(Non Dilution)			
0CFU	0CFU	0CFU	
Test Summary	No E coli was detected in the experimental group samples	No E coli was detected in the experimental group samples	No E coli was detected in the experimental group samples

Disinfection Rate (%)	First Test Value	Second Test Value	Third Test Value
>99.999%	>99.999%	>99.999%	>99.999%

Removal rate(s) % >99.999

Applications



Key Product Parameters

- Model: IN-UVC-4LC
- Rated Flow Rate: 4 L/min (1 GPM)
- Maximum Inlet Pressure: 0.4 MPa (60 psi)
- Power Adapter Input: 100~240 V, 50 / 60 Hz
- Power Adapter Output: 24 V, 1.5 A
- UV-C LED Wavelength: 270 nm- 280 nm
- UV-C Radiant Flux: 70-100 mW
- Water Pipe Interface Specification: 1 / 4"
- Inlet/Outlet Material: Stainless Steel
- Sterilization Efficiency: Up to 99.999% or 5.0 Log Reduction (*)
- Operating Temperature Range: 4 C to 60 C
- Product Dimensions: Φ42 mm * 252 mm (Φ1.7inx9.9in)
- Product Lifetime: 5 Years

(*) The actual disinfection efficiency subjects to the water quality.

The above test results are based on the following test conditions with test strain of Escherichia coli (8099), with 5×10^4 to 5×10^5 CFU/mL dechlorinated sterile test water.

pH	UV transmittance	Turbidity	Temperature	TDS
7.5+/-0.5	98+/-2%	< 1.0 NTU	20+/-2.5°C(68+/-5 °F)	200 to 500 mg / L