

AUV-C, CS Series UV Disinfection Ozone Destruction

Standard Features

- >99% Bacterial Reduction
- >30,000 μ WSec/cm² UV Dose @ 254nm
- 9,000 Hour Guaranteed Lamp Life
- Stationary Flow Management Baffle
- 316L Stainless Steel UV Chamber
- Stainless Steel Compression Nipple
- Operating Pressure 150 psig (10.5 barg)
- NEMA 12 (IP55) Modified Electrical Enclosure
- Thermal Magnetic circuit Breaker
- On/Off Equipment Switch
- Temperature Safety Circuit
- Electronic Ballast
- High Voltage Insulation Lamp Socket
- LED Lamp Operation Display
- Re-settable Running Time Meter
- Viton O-ring Elastomers
- Drain (horizontal models)
- ETL Listed, CE

Options

- UV Intensity Meter & Probe
- 4-20 mA Interface
- Hand-Off-Auto Circuit
- Lamp Out Circuit
- Sample Ports
- Sanitary Ferrules
- Remote Electrical Enclosure
- NEMA 4X (IP66) modified Electrical Enclosure

Typical Applications

- Disinfection & Ozone Destruction
- UPW Makeup & Polishing Loops
- Reclaim
- Biofouling Control
- Post Activated Carbon
- Process Control
- Quality Control
- Laboratory Rinse
- Recirculation Loops
- Cooling Tower Condensers & Chillers
- Slip Streams



AUV-1CS

AUV introduces the **C, CS** series for small to medium flow rate in ultraviolet application.

Our **C, CS** series consist of enhanced ultraviolet disinfection and ozone destruction equipment. **AUV C, CS** series provides a high efficiency and chemical-free alternative to multiple applications that are sensitive to microbial contamination and oxidation by ozone.

AUV C, CS units deliver high levels of ultraviolet irradiation (UV-C) through the company's uniquely matched electronic ballast, single ended high output UV lamps and geometrical lamp configurations within the reactor chamber.

AUV offers ten (10) disinfection units, available to meet flow rates ranging from 11 – 270gpm (2.5 – 61.4m³/hr). Our units incorporate an integral electrical enclosure which offers a high level of electrical protection while simplifying installation and operational management of the equipment.

Ozone destruction units are available. Please contact **AUV** for sizing requirement.

All **AUV** units are designed to function as stand-alone products or they can be incorporated into a scalable skid mounted system through **Advanced UV's** uniquely designed modular technology.

When it comes to value and performance, nobody delivers ultraviolet technology like **Advanced UV**.

AUV-C, CS DISINFECTION SERIES

AUV MODEL	CAPACITY DI/RO WATER 99% T ₁₀ gpm (m ³ /hr)	CAPACITY CLEAR FRESH WATER 94% T ₁₀ gpm (m ³ /hr)	NUMBER OF LAMPS	INPUT POWER (50/60Hz)	POWER	FOOT PRINT H x W x D inch (mm)	FLANGE SIZE (inch)
VERTICAL							
AUV-1S	11 (2.5)	10 (2.3)	1	1Ø, 200-240V	35W (70VA)	26.1 x 10.4 x 10.4 (1663 x 263 x 263)	1
AUV-1CS	20 (4.5)	18 (4.1)	1	1Ø, 200-240V	55W (105VA)	38.8 x 13.2 x 13.9 (986x334x353)	1
AUV-1C	25 (5.7)	22 (5.0)	1	1Ø, 200-240V	65W (120VA)	44.8 x 13.2 x 13.9 (1138x334x353)	1
AUV-2CS	50 (11.4)	42 (9.5)	2	1Ø, 200-240V	105W (190VA)	40 x 13.2 x 15.5 (1016 x 334 x 394)	1½
AUV-2C	65 (14.7)	55 (12.5)	2	1Ø, 200-240V	125W (220VA)	47.1 x 14.0 x 15.5 (1196 x 355 x 394)	2
HORIZONTAL							
AUV-4CS	90 (20.5)	70 (15.9)	4	1Ø, 200-240V	210W (220VA)	34.3 x 40.1 x 9.0 (871 x 1017 x 228)	2
AUV-4C	105 (23.9)	85 (19.3)	4	1Ø, 200-240V	250W (260VA)	34.3 x 46.5 x 9.0 (871 x 1180 x 228)	3
AUV-6CS	170 (38.6)	125 (28.4)	6	1Ø, 200-240V	310W (320VA)	36.7 x 43.7 x 12.8 (932 x 1111 x 325)	3
AUV-6C	210 (47.7)	155 (35.2)	6	1Ø, 200-240V	370W (390VA)	36.7 x 50.1 x 12.8 (932 x 1273 x 325)	4
AUV-8C	270 (61.4)	200 (45.5)	8	1Ø, 200-240V	500W (520VA)	36.7 x 50.1 x 12.8 (932 x 1273 x 325)	4

Notes:

1. Dose: All units provide an end of lamp life dose >30,000 µW Sec/cm² at rated capacity and assumed transmission value @254nm.
2. Equipment specifications are subject to change without notice.



AUV-8C shown with standard electrical enclosure



AUV-8C shown with optional NEMA 4X stainless steel enclosure