

## AUV-CH Series UV Disinfection Ozone Destruction

### Standard Features \*

- >99% Bacterial Reduction
- >30,000  $\mu$  WSec/cm<sup>2</sup> 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
- Hand-Off-Auto Circuit
- Temperature Safety Circuit
- Lamp Out Circuit
- Electronic Ballasts
- High Voltage Insulation Lamp Socket
- LED Lamp Operation Display
- Re-settable Running Time Meter
- Viton O-ring Elastomers
- Drain
- ETL Listed, CE

### Options

- UV Intensity Meter & Probe
- 4-20 mA Interface
- Sanitary Ferrules
- Remote Electrical Enclosure
- NEMA 4X (IP66) modified Electrical Enclosure
- Transformer For Optional Voltages
- Modular Skid

### 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

\* See Specification Sheet for Details



# ADVANCED UV, INC.



**AUV-8CH**

**AUV** introduces the **CH** series in ultraviolet lamp technology. Our **CH** series consist of enhanced ultraviolet disinfection and ozone destruction equipment. **AUV CH** series provides a high efficiency and chemical-free alternative to multiple applications that are sensitive to microbial contamination and oxidation by ozone.

**AUV CH** 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 nine (9) disinfection units, available to meet flow rates ranging from 290 – 2,170gpm (65.9 – 493.2m<sup>3</sup>/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-CH DISINFECTION SERIES***

AUV MODEL	CAPACITY DI/RO WATER 99% T10 gpm (m <sup>3</sup> /hr)	CAPACITY CLEAR FRESH WATER 94% T10 gpm (m <sup>3</sup> /hr)	NUMBER OF LAMPS	INPUT POWER (50/60Hz)	POWER	FOOT PRINT H x W x D inch (mm)	FLANGE SIZE (inch)
<b>AUV-4CH</b> <sup>1</sup>	290 (65.9)	230 (52.3)	4	1Ø, 200-240V	750W (800VA)	25.8 x 67.5 x 9.0 (655 x 1714 x 230)	4
<b>AUV-6CH</b> <sup>1</sup>	570 (129.5)	420 (95.5)	6	1Ø, 200-240V	1.1KW (1.2KVA)	28.5 x 71.2 x 12.8 (724 x 1808 x 325)	6
<b>AUV-8CH</b> <sup>1</sup>	910 (206.8)	640 (145.4)	8	1Ø, 200-240V	1.4KW (1.6KVA)	27.5 x 71.2 x 22.1 (698 x 1808 x 561)	8
<b>AUV-10CH</b> <sup>1</sup>	1050 (238.6)	760 (172.7)	10	1Ø, 200-240V	1.8KW (2.0KVA)	27.5 x 71.2 x 22.1 (698 x 1808 x 561)	8
<b>AUV-12CH</b> <sup>1</sup>	1150 (261.4)	850 (193.2)	12	3Ø, 200-240V	2.1KW (2.4KVA)	27.5 x 71.2 x 22.1 (698 x 1808 x 561)	8
<b>AUV-14CH</b> <sup>1</sup>	1460 (331.8)	1040 (236.4)	14	3Ø, 200-240V	2.5KW (2.8KVA)	29.0 x 71.2 x 23.9 (737 x 1808 x 608)	10
<b>AUV-16CH</b> <sup>1</sup>	1650 (375.0)	1170 (265.9)	16	3Ø, 200-240V	2.8KW (3.2KVA)	29.0 x 71.2 x 23.9 (737 x 1808 x 608)	10
<b>AUV-20CH</b> <sup>1 2</sup>	1860 (422.7)	1350 (306.8)	20	3Ø, 200-240V	3.5KW (3.9KVA)	31.5 x 71.2 x 36.6 (800 x 1808 x 930)	10
<b>AUV-24CH</b> <sup>1 2</sup>	2170 (493.2)	1590 (361.4)	24	3Ø, 200-240V	4.2KW (4.7KVA)	31.5 x 71.3 x 38.1 (800 x 1812 x 968)	10

**Notes:**

1. <sup>1</sup> NEMA 12 (IP55) modified electrical enclosure.
2. <sup>2</sup> Optional Transformer available for 3Ø, 400-480V, 50/60Hz input power.
3. Dose: All units provide an end of lamp life dose >30,000 µW Sec/cm<sup>2</sup> at rated capacity and assumed transmission value @254nm.
4. Equipment specifications are subject to change without notice.

