

UV Sciences perfects ultraviolet water disinfection

UVS4XX Series for 150 gpm to 500 gpm flow applications



UVSI patented flow chamber design brings unparalleled performance in a compact size. This highly efficient reaction chamber saves thousands of dollars in capital and operation costs. Our UVS4XX Series have superior disinfection performance capabilities using a just two HQLP Amalgam lamps. Our products are made from the highest quality materials, exceeding the rigorous demands required for industrial grade equipment.

Applications include:

- **Disinfection**
- **Chlorine and Chloramines Removal**
- **Ozone Destruction**

All our units are FCC approved and TUV Rheinland certified, meeting the requirements of CE, UL and CSA.

Industry applications:

- Beverage
- Food Processing
- Municipal Drinking Water
- Water Remediation
- Waste Water
- Hospitality

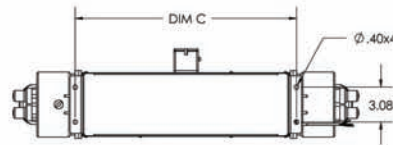
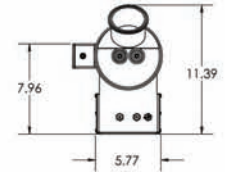
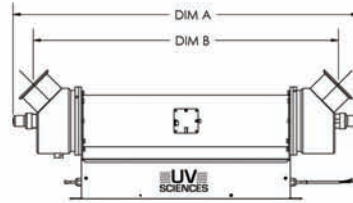
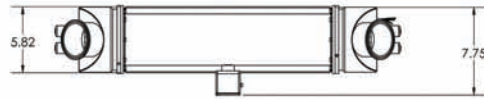
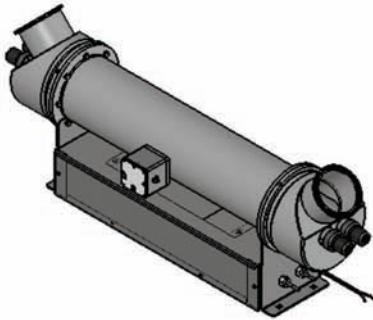
**UV
SCIENCES**

info at uvinfo@uvsciences.com

NOTES: UNLESS OTHERWISE SPECIFIED:

1. INLET AND OUTLET CONNECTIONS ARE 3" SANITARY
2. OPTIONAL FITTINGS INCLUDE ANSI FLANGE, SWAGE, AND NPT

REVISIONS		
ECO	REV	DATE
	B	8/19/2009



Model	DIM A	DIM B	DIM C	Rated Flow	Pressure Drop	Weight
JVS428S	30.5	27	19.5	300 gpm/ 1150 Lpm	2.8 psi/ 19.3k Npm	55 lbs/ 25 kgs
JVS438S	40.5	37	29.5	500 gpm/ 1900 Lpm	10.9 psi/ 75.2k Npm	63 lbs/ 29 kgs

- 1) Rated Flow based on 99% UVT
- 2) Pressure Drop defined at Rated Flow
- 3) Weight is without water (Dry Weight)

PROPRIETARY AND CONFIDENTIAL		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF ULTRAVIOLET SCIENCES. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF ULTRAVIOLET SCIENCES IS PROHIBITED.		DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL: ± 1/32 ANGULAR: MACH ± .3° BEND ± 1/16 SHEET PLACE DECIMAL ± .1 DWG PLACE DECIMAL ± .005 FORMER GEOMETRIC TOLERANCING PER: Y14.5M-94		DRAWN	Rick May	8/01/07
MATERIAL: N/A		FINISH: N/A		CHECKED	C. Croppel	8/19/2009
NEXT ASSY:		USED ON:		ENG APPR.		
APPLICATION:		DO NOT SCALE DRAWING		MFG APPR.		
				TITLE: DIAGRAM, MOUNTING, 4IN SERIES 3 SYSTEMS		
				SIZE	DWG. NO.	REV
				B	2020	B
				SCALE: 1:8		SHEET 1 OF 1

UVS 4XX Series Product Specifications

Specification	UVS428S	UVS438S
Disinfection Flow Rate - gpm	300	500
Disinfection Flow Rate - m3/hr	68	112
Number of Lamps	2	2
Lamp Life hours	9000	9000
Lamp Replacement	Dry, by Hand	Dry, by Hand
Operating Power watts	160	200
Operating pressure - psi (bar)	150 (10)	150 (10)
Operating Temp. - deg F (deg C)	36-104 (3-40)	36-104 (3-40)
Non Flow Standby Time	60 min	60 min
Mounting Horizontal or Vertical	Yes	Yes
Water Contact Finish	Ra-15	Ra-15
Controller, Remote	NEMA 4X	NEMA 4X
Real Time Dosimetry	Yes	Yes
Alarms, Remote Control & Monitoring	Yes	Yes



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