

General Use Disinfection



UVD400 pictured

With over 16 years of field experience, an easy to service system design, no disinfection by-products and a North American manufacturing facility, UVDynamics disinfection systems are **Proven, Affordable, and Environmentally Friendly.**

With flow rates ranging from 6 to 50 gpm (23 to 189L/min)^{note1}, the UVDynamics non-certified general use disinfection series is suitable for use in homes and cottages as well as small commercial and industrial installations.

The microprocessor controlled UV power source is designed for long life and includes both visual and audio lamp failure alarms as well as an annual lamp change timer. Optional isolated low voltage solenoid drive outputs and UV monitors allow for customization to specific installation requirements.

Our proprietary UV power source technology and modern, vertically integrated manufacturing facility allow us to provide these high quality, full featured products at a competitive price.

Systems* certified by IAPMO R&T against:

NSF/ANSI 61 (materials safety only)

NSF/ANSI 372 (lead free compliance)

CSA-B483.1

*visit iapmo.org for model information



UV Dynamics

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General Use Disinfection OVERVIEW

model	UVD180	UVD240	UVD245	UVD320(E)	UVD400(E)	UVD485(E)	UVD600	UVD800	UVD1000	UVD1200	UVD1500
FLOW RATE											
16mj/cm ² (NSF) Note 1	11gpm (42L) (2.55m ³ /hr)	15gpm (57L) (3.4m ³ /hr)	15gpm (57L) (3.4m ³ /hr)	20gpm (76L) (4.5m ³ /hr)	25gpm (94L) (5.6m ³ /hr)	30gpm (113L) (6.6m ³ /hr)	37gpm (140L) (8.4m ³ /hr)	50gpm (189L) (11.3m ³ /hr)	62gpm (236L) (14.2m ³ /hr)	75gpm (284L) (17.0m ³ /hr)	94gpm (356L) (21.4m ³ /hr)
30mj/cm ² (Industry Standard) Note2	6gpm (23L) (1.38m ³ /hr)	8gpm (30L) (1.8m ³ /hr)	8gpm (30L) (1.8m ³ /hr)	10gpm (37L) (2.2m ³ /hr)	13gpm (50L) (2.9m ³ /hr)	16gpm (60L) (3.6m ³ /hr)	20gpm (75L) (4.5m ³ /hr)	26gpm (98L) (5.9m ³ /hr)	33gpm (124L) (7.5m ³ /hr)	40gpm (151L) (9.0m ³ /hr)	50gpm (189L) (11.3m ³ /hr)
40mj/cm ² (NSF/EPA)	4.5gpm (17L) (1.02m ³ /hr)	6gpm (23L) (1.38m ³ /hr)	6gpm (23L) (1.38m ³ /hr)	8gpm (30L) (1.8m ³ /hr)	10gpm (37L) (2.2m ³ /hr)	12gpm (45L) (2.7m ³ /hr)	15gpm (57L) (3.4m ³ /hr)	20gpm (75L) (4.5m ³ /hr)	25gpm (94L) (5.7m ³ /hr)	30gpm (113L) (6.7m ³ /hr)	37gpm (140L) (8.4m ³ /hr)
Length	14.5" (37cm)	18" (48cm)	14.5" (37cm)	18" (48cm)	22" (59cm)	24.25" (62cm)	37" (94cm)	37" (94cm)	37" (94cm)	50.5 (128.3cm)	50.5 (128.3cm)
Width	4" (10cm)	4" (10cm)	5" (12.7cm)	4" (10cm)	4" (10cm)	4" (10cm)	4" (10cm)	4" (10cm)	5" (12.7cm)	4" (10cm)	5" (12.7cm)
Height	6" (15cm)	6" (15cm)	6.5" (16.5cm)	6" (15cm)	6" (15cm)	6.5" (16.5cm)	6.5" (16.5cm)	6.5" (16.5cm)	6.5" (16.5cm)	6.5" (16.5cm)	6.5" (16.5cm)
Cell Diameter	3.5" (8.9cm)	3.5" (8.9cm)	4" (10cm)	3.5" (8.9cm)	3.5" (8.9cm)	3.5" (8.9cm)	3.5" (8.9cm)	3.5" (8.9cm)	4" (10cm)	3.5" (8.9cm)	4" (10cm)
Shipping Weight	6lbs (2.7kg)	7lbs (3kg)	7lbs (3kg)	7lbs (3kg)	9lbs (4kg)	9lbs (4kg)	13lbs (6kg)	14lbs (6.5kg)	16lbs (7.5kg)	18lbs (8kg)	20lbs (9kg)
AC Supply Voltage	120V or 240V 47-63Hz	120V or 240V 47-63Hz	120V or 240V 47-63Hz	120V or 240V 47-63Hz	120V or 240V 47-63Hz	120V or 240V 47-63Hz	120V or 240V 47-63Hz	120V or 240V 47-63Hz	120V or 240V 47-63Hz	120V or 240V 47-63Hz	120V or 240V 47-63Hz
Power (watts)	31 watts	33 watts	31 watts	40 watts	44 watts	63 watts	67 watts	67 watts	96 watts	117 watts	117 watts
Lamp Watts	28 watts	30 watts	28 watts	35 watts	40 watts	49 watts	62 watts	62 watts	91 watts	112 watts	112 watts
Max. Pressure	100psi (6.9bar)	100psi (6.9bar)	100psi (6.9bar)	100psi (6.9bar)	100psi (6.9bar)	100psi (6.9bar)	100psi (6.9bar)	100psi (6.9bar)	100psi (6.9bar)	100psi (6.9bar)	100psi (6.9bar)
Water Temperature	40° – 99° F (4° – 37° C)	40° – 99° F (4° – 37° C)	40° – 99° F (4° – 37° C)	40° – 99° F (4° – 37° C)	40° – 99° F (4° – 37° C)	40° – 99° F (4° – 37° C)	40° – 99° F (4° – 37° C)	40° – 99° F (4° – 37° C)	40° – 99° F (4° – 37° C)	40° – 99° F (4° – 37° C)	40° – 99° F (4° – 37° C)
Maximum Ambient Temp.	104° F (40° C)	104° F (40° C)	104° F (40° C)	104° F (40° C)	104° F (40° C)	104° F (40° C)	104° F (40° C)	104° F (40° C)	104° F (40° C)	104° F (40° C)	104° F (40° C)
Quartz Sleeve	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Port Size	¾" MNPT	¾" MNPT	¾" MNPT	¾" MNPT	¾" MNPT	1" MNPT	1" MNPT	1" MNPT	1" MNPT	1" MNPT	1" MNPT
Visual LAMP ON Indicator	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Audio Lamp Failure Alarm	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Isolated Solenoid Output	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
UV Monitor	Not Available	Not Available	Not Available	Option	Option	Option	Option	Option	Option	Option	Option
Lamp Change Reminder Timer	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Chamber Material	304 S.S.	304 S.S.	304 S.S.	304 S.S.	304 S.S.	304 S.S.	304 S.S.	304 S.S.	304 S.S.	304 S.S.	304 S.S.

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Product specifications subject to change without notice.

Note 1 - 16mj/cm² Dose is suitable for reducing nonpathogenic nuisance organisms only. Disinfection chamber hydraulic performance may limit maximum flow rate.

Note2 - 30mj/cm² Industry standard Dose – This is the dosage produced by 2.5" diameter disinfection chambers when designed using the 1966 US Department of Health UV disinfection Policy Statement.

* isolated solenoid output, sensor option not included on E series units



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