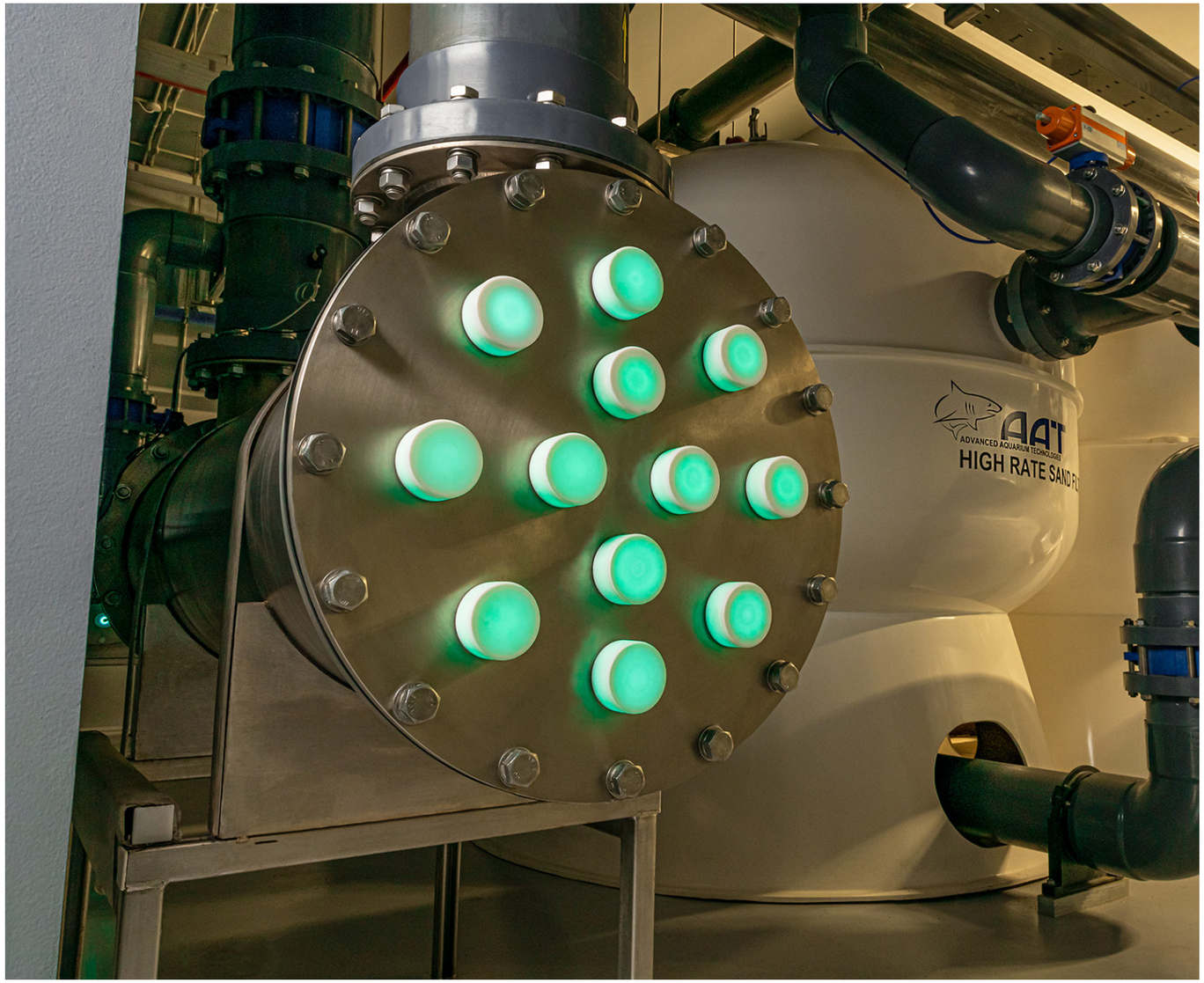
ADVANCED AQUARIUM TECHNOLOGIES

UV STERILIZERS



Safe & economical protection against pathogens.

Ultraviolet germicidal irradiation uses short-wave length ultraviolet light to inactivate microorganisms by destroying nucleic acids and disrupting DNA, so they're unable to perform cellular functions.

- Destroys single-celled organisms, bacteria, viruses, algae, fungi and protozoa, with no residual effects.
- Contains several UV lamps arranged in an array utilising UV output to its maximum potential.
- Single or multi-lamp units for a range of flow and dose rates.
- No toxic by-products produced.
- Light output mostly at 254 nm wavelength, the peak of the Germicidal Spectrum.
- Protective quartz sleeves thermally protect the UV lamps for maximum UV output and safety.
- Alarms and interlocking for flow, temperature, and faults.
- Corrosion resistant titanium and stainless steel options maximise durability and operating performance
- UV lamp life is estimated to be one year or 10,000 hours depending on operational conditions.
- Easily installed as a stand-alone package or integrated into a new or existing system.
- Require minimal maintenance and servicing.

Advanced Aquarium Technologies have pioneered unique techniques and technologies to design, build and operate inspiring and sustainable aquariums all over the world.

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TECHNICAL SPECIFICATIONS

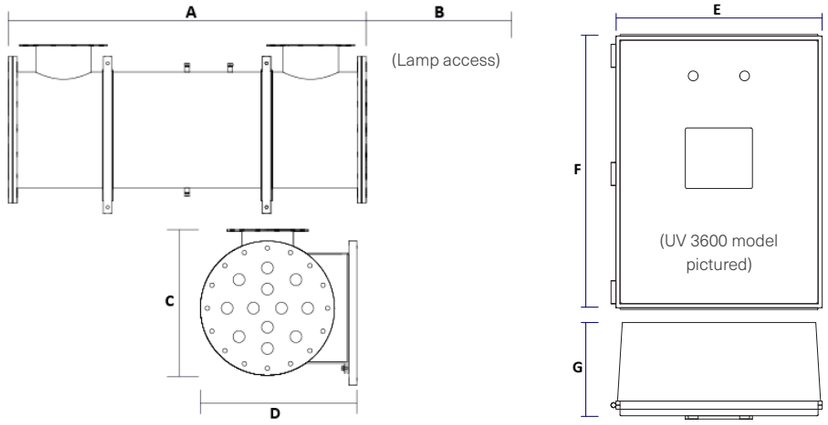
METRIC

Model	Lamps	Flow capacity (m^3/hr)	UV lamp power (kW)	A (mm) Length	B (mm) Lamp Access	C (mm) Height	D (mm) Width	Electrical Panel Size		
								E (mm) Length	F (mm) Height	G (mm) Width
UV 300	1	22.50	0.30	1,650	2,159	267	331	400	500	160
UV 600	2	45.00	0.60	1,650	2,159	379	451	400	500	160
UV 900	3	67.50	0.90	1,650	2,159	379	451	530	730	255
UV 1200	4	90.00	1.20	1,650	2,159	379	451	530	730	255
UV 1500	5	112.50	1.50	1,650	2,159	434	506	530	730	255
UV 1800	6	135.00	1.80	1,650	2,159	485	555	530	730	255
UV 2100	7	157.50	2.10	1,650	2,159	485	555	530	730	255
UV 2400	8	180.00	2.40	1,650	2,159	541	615	530	730	255
UV 3000	10	250.00	3.00	1,650	2,159	544	615	630	830	285
UV 3600	12	270.00	3.60	1,650	2,159	726	780	630	830	285

IMPERIAL

Model	Lamps	Flow capacity (gsm)	UV lamp power (kW)	A (inch) Length	B (inch) Lamp Access	C (inch) Height	D (inch) Width	Electrical Panel Size		
								E (inch) Length	F (inch) Height	G (inch) Width
UV 300	1	99.06	0.30	64.96	85.00	10.51	13.03	15.75	19.69	6.30
UV 600	2	198.13	0.60	64.96	85.00	14.92	17.76	15.75	19.69	6.30
UV 900	3	297.19	0.90	64.96	85.00	14.92	17.76	20.87	28.74	10.04
UV 1200	4	396.26	1.20	64.96	85.00	14.92	17.76	20.87	28.74	10.04
UV 1500	5	495.34	1.50	64.96	85.00	17.09	19.92	20.87	28.74	10.04
UV 1800	6	594.39	1.80	64.96	85.00	19.09	21.85	20.87	28.74	10.04
UV 2100	7	691.25	2.10	64.96	85.00	19.09	21.85	20.87	28.74	10.04
UV 2400	8	792.52	2.40	64.96	85.00	21.30	24.21	20.87	28.74	10.04
UV 3000	10	1,100.75	3.00	64.96	85.00	21.42	24.21	24.80	32.68	11.22
UV 3600	12	1,188.77	3.60	64.96	85.00	28.58	30.71	24.80	32.68	11.22

DIMENSION REFERENCE

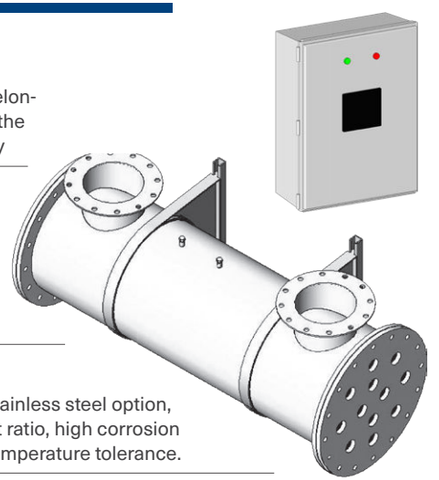


PRODUCT FEATURES

Long water exposure times due to elongated unit design greatly improves the electromagnetic radiation efficiency

A quartz sleeve is used to isolate the UV lamps from the water allowing optimal lamp temperature for highly efficient operation

Housing made from titanium or a stainless steel option, which has a high strength to weight ratio, high corrosion resistance to salt water plus high temperature tolerance.



- Easy operator access for control options
- Flow, thermal and remote interlocks as standard.
- Remote start/stop control options as standard.
- Remote run/fault output options as standard.
- Remote monitoring of reactor operating temperature.
- If a fault is detected, the system interlocks to prevent overheating.

VERSATILE

- ✓ Suitable for fresh and saltwater.
- ✓ Recommended for aquarium inflow water, recirculation systems and effluent water.
- ✓ Stainless steel option for freshwater.

AUTOMATION

- ✓ System interlocks prevent overheating of the unit by automatically shutting off the UV lamps if a fault is detected.
- ✓ Internal service alert for lamps when low.
- ✓ SMS and email alerts with the optional alarm monitoring system.

EFFICIENT

- ✓ A high rate of 40% of electrical power is converted into usable UV-C watts for the system.
- ✓ The UV lamps run on low input power currents of 200 to 1,500 mA.

AAT ADVANCED AQUARIUM TECHNOLOGIES

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