

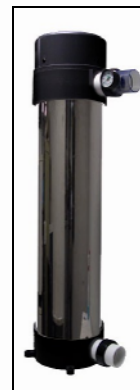
Product Data Sheets

ES Series Ultraviolet Sanitizer



SPECIFICATION

The Ultraviolet Sanitizer Unit shall be a Delta Ultraviolet ES Series Model ES- _____, rated at _____ Volts, 50/60 Hz. The unit shall be equipped with a 14.5 foot long power cord. The wet chamber shall be an 8 inch UV inhibited PVC housing with four mounting feet and PVC electrical enclosure bonnet suitable for outdoor installation. PVC housing shall have an inner wrapper of stainless steel for added reflective power and an exterior stainless steel outer wrapper. PVC Inlet/Outlet unions shall be 2 inch socket size. The UV unit shall include a pressure switch to prevent operation when water is not flowing, a pressure gauge and a clear viewing tail piece to verify bulb ON condition. The UV lamp shall be designed rated at 13,000 hours of continuous use and shall be fully replaceable without requiring special tools. The UV lamp END-OF-Life (EOL) rating shall be no less than 30,000 $\mu\text{watts/sec/cm}^2$ (Class A drinking water requirement) and shall bear the manufacturer's EPA Registration number on the unit, cartons and printed literature. The UV unit shall be warranted three [3] years (All other parts – one [1] year) and shall be accompanied by a printed factory limited warranty, installation instructions and owners manual.



Model	Part Number	Voltage	I/O Size
ES-5	35-08640	120V/50/60Hz	2 inch
ES-5	35-08650	120V/50/60Hz	63mm
ES-5	35-08670	240V/50/60Hz	2 inch
ES-5	35-08671	240V/50/60Hz	63mm
ES-10	35-08642	120V/50/60Hz	2 inch
ES-10	35-08652	120V/50/60Hz	63mm
ES-10	35-08672	240V/50/60Hz	2 inch
ES-10	35-08673	240V/50/60Hz	63mm

Model	Part Number	Voltage	I/O Size
ES-20	35-08644	120V/50/60Hz	2 inch
ES-20	35-08654	120V/50/60Hz	63mm
ES-20	35-08674	240V/50/60Hz	2 inch
ES-20	35-08675	240V/50/60Hz	63mm
ES-40	35-08646	120V/50/60Hz	2 inch
ES-40	35-08656	120V/50/60Hz	63mm
ES-40	35-08676	240V/50/60Hz	2 inch
ES-40	35-08677	240V/50/60Hz	63mm

Model	Cord Length	Bulb Output(EOL)	Bulb Watts
ES-5	14.5'	30,000 $\mu\text{W/sec/cm}^2$	30
ES-10	14.5'	30,000 $\mu\text{W/sec/cm}^2$	45

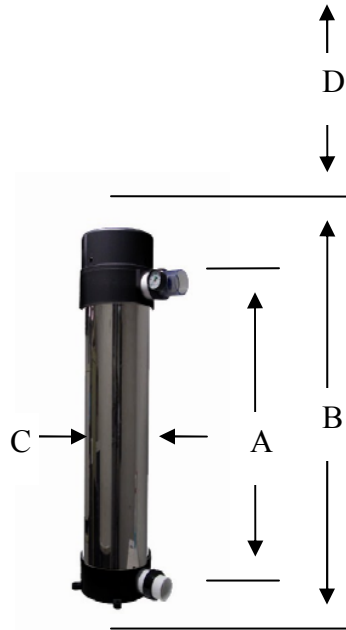
Model	Cord Length	Bulb Output(EOL)	Bulb Watts
ES-20	14.5'	30,000 $\mu\text{W/sec/cm}^2$	90
ES-40	14.5'	30,000 $\mu\text{W/sec/cm}^2$	110

Pools

Ponds

Delta UV EP Model	Maximum Flow Rate (GPM)	Minimum UV Microwatts sec/cm ²	Max Volume 12 hr. Turnover (Gallons)	Max Volume 8 hr. Turnover (Gallons)	Max Volume 4 hr. Turnover (Gallons)	Max Volume 3 hr. Turnover (Gallons)	Max Volume 2 hr. Turnover (Gallons)
ES-5	31	30390	22320	14880	7440	5580	3720
ES-10	57	30390	41040	27360	13680	10260	6840
ES-20	80	30180	57600	38400	19200	14400	9600
ES-40	110	30310	79200	52800	26400	19800	13200

Physical Dimension



Model	Dim. A	Dim.B	Dim. C	Dim. D	Empty Wt.	Operating Wt.	Shipping Wt.	Carton Size
ES-5	9.25 in.	17.75 in.	8 in.	7 in.	20 lbs	44 lbs	25 lbs	19-3/4"x13.5"x14.5"
ES-10	16.25 in.	24.75in.	8 in.	18 in.	27 lbs	63 lbs	33 lbs	26-3/4"x13.5"x14.5"
ES-20	30.38 in.	38.88 in.	8 in.	32 in.	40 lbs	102 lbs	48 lbs	40-3/8"x13.5"x14.5"
ES-40	37.5 in.	46 in.	8 in.	39 in.	47 lbs	121 lbs	57 lbs	48"x13.5"x14.5"

Item	Description	Qty	Part #
4	Pressure Switch	1	70-02315
5	Quartz Tube nut	1	86-02411
6	Quartz Tube Compression Gasket	1	44-02018
7	Pressure Gauge	1	84-82234
8	Bulb O-ring	2	44-02221
9	Bulb Cushion	1	44-02019
10	Union Tail Piece 2" Clear	1	86-02402
11	Union Tail Piece 2" White	1	86-02352
12	Flat O-ring 2" White	2	44-02335
13	Bonnet	1	86-02054

MODEL	POWER	QUARTZ TUBE	BALLAST	LAMP
		ITEM# 2	ITEM# 3	ITEM# 1
ES-5	35W	58-50305	70-10192	70-18405
ES-10	45W	58-50310	70-10192	70-18410
ES-20	90W	58-50320	70-10193	70-18420
ES-40	110W	58-50340	70-10193	70-18440

