



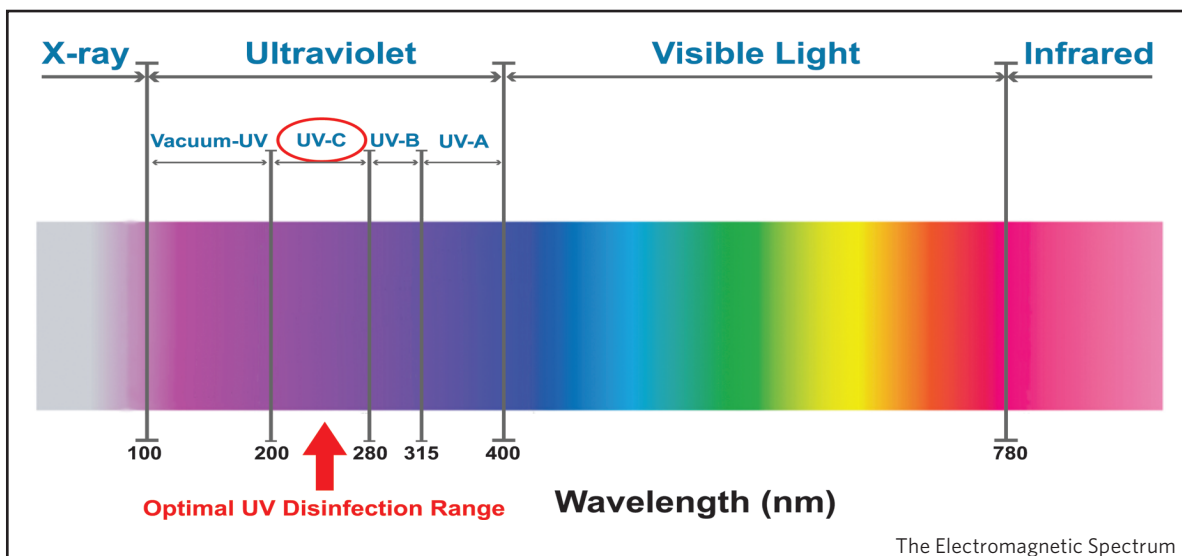
DELTA-UV® ULTRAVIOLET DISINFECTION SYSTEMS

CLEANER, HEALTHIER WATER FOR POOL, SPA, POND AND WATER FEATURES

WHAT IS UV DISINFECTION?

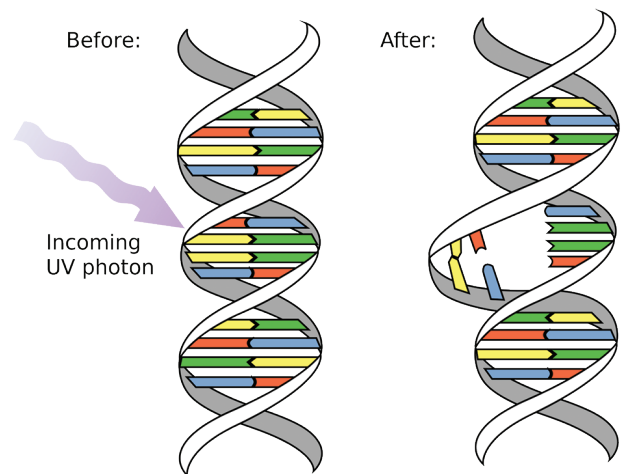
WHAT IS ULTRAVIOLET LIGHT?

Ultraviolet (UV) light is energy within the electromagnetic spectrum that has shorter wavelengths than that which are visible to the human eye. UV light is a range of electromagnetic waves from 100 to 400 nanometers (between x-ray and visible light). The division of UV light is classified as Vacuum UV (100-200 nm), UV-C (200-280 nm), UV-B (280-315 nm) and UV-A (315-400 nm). The energy waves provided in the UV-C spectrum demonstrate germicidal efficiencies that provide highly effective disinfection.



HOW UV DISINFECTION WORKS

UV light works by causing permanent damage to the DNA or RNA found in all living species. Once DNA becomes damaged, or dimerized, the organism is unable to carry out the routine cell functions of the respiration, the assimilation of food and replication; the organism is rendered non-viable. UV is the only disinfection alternative that is chemical free, therefore will not create chemical by-products. UV is also used for removal of organic and inorganic contaminants and breaks down chlorine (disinfection) by-products or DBP, called chloramines. Chloramine exposure commonly leads to stinging (red) eyes, skin irritations, asthma and allergies.





WATER TREATMENT SOLUTION THAT IS SAFE, HEALTHY AND ENVIRONMENTALLY FRIENDLY

WHY DELTA UV?

Delta-UV® disinfection systems are engineered for residential pool, spa, ponds and water features. The Delta-UV system offers owners a way to reduce chemicals while protecting health, families and the environment by adding nothing but light. UV light helps to inactivate microorganisms and destroy viruses and algae without adding chemicals, which can cause residuals that may be harmful to humans, animals, plants and the environment. Installing a UV system breaks down chlorine by-products called chloramines. Chloramine exposure commonly leads to stinging (red) eyes, skin irritations, asthma and allergies. Delta UV systems an environmentally friendly choice for water treatment.

ADVANTAGES OF DELTA-UV DISINFECTION


- Easy to install, easy to maintain
- Reduce chemical usage
- No risk of overdosing
- Improves the color or odor of the water
- Improve air and water quality
- Reduce red eye and skin irritation
- Safer for you, better for the environment



MEET THE DELTA-UV® SYSTEMS FOR RESIDENTIAL POOLS

INTRODUCING THE D AND DS SERIES

Sizing your UV system is important and based on flowrate. Models in this series range from 31 to 110 gallons per minute. The D and DS series are similar to the E and ES series, however this series offers inline hardwired integration to perform automated treatment. The E and ES series is a plug & play operation that runs independently from other treatment equipment.


D & DS Series	Models	Max. Flow Rate GPM	Dose mJ per cm ² at Recommended Flow Rate	UV Lamp Power	Diameter of Chamber	Total Height	Inlet/Outlet Diameter
	D&DS 31	31	30mJ/cm ²	30W	8"	18"	2"
	D&DS 46	46	30mJ/cm ²	45W	8"	25"	2"
	D&DS 57	57	30mJ/cm ²	55W	8"	28"	2"
	D&DS 80	80	30mJ/cm ²	80W	8"	39"	2"
	D&DS 110	110	30mJ/cm ²	110W	8"	46"	2"
Product Line Specifications							
Power Input		120/240v 50/60hz		Pressure Switch		No	
Housing		(D) PVC or (DS) PVC with stainless wrapper		Indoor/Outdoor Installation		Yes	
Ballast		Electronic, hardwired		Limited Warranty		2 years (1 year lamp pro-rated)	
Lamp		High output - low pressure (approx. 16,000 hrs)		Plumbing Options		2" PVC unions	



MEET THE DELTA-UV® SYSTEMS FOR RESIDENTIAL POOLS

INTRODUCING THE E AND ES SERIES

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E & ES Series	Models	Max. Flow Rate GPM	Dose mJ per cm ² at Recommended Flow Rate	UV Lamp Power	Diameter of Chamber	Total Height	Inlet/Outlet Diameter
	E&ES 31	31	30mJ/cm ²	30W	8"	18"	2"
	E&ES 46	46	30mJ/cm ²	45W	8"	25"	2"
	E&ES 57	57	30mJ/cm ²	55W	8"	28"	2"
	E&ES 80	80	30mJ/cm ²	80W	8"	39"	2"
	E&ES 110	110	30mJ/cm ²	110W	8"	46"	2"
Product Line Specifications							
Power Input		120/240v 50/60hz		Pressure Switch		Yes	
Housing		(E) PVC or (ES) PVC with stainless wrapper		Indoor/Outdoor Installation		Yes	
Ballast		Electronic, plug & play		Limited Warranty		2 years (1 year lamp pro-rated)	
Lamp		High output - low pressure (approx. 16,000 hrs)		Plumbing Options		2" PVC unions	



MEET THE DELTA-UV® SYSTEM FOR RESIDENTIAL SPAS

INTRODUCING THE EA SERIES

Sizing your UV system is important and based on the flowrate. Models in this series range from 16 - 47 gallons per minute. The EA series can be adapted to most existing spas.

EA Series	Models	Max. Flow Rate GPM	Dose mJ per cm ² at Recommended Flow Rate	UV Lamp Power	Diameter of Chamber	Total Height	Inlet/Outlet Diameter
	EA4H 5	16	30mJ/cm ²	30W	4"	18"	2"
	EA 4H 10	20	30mJ/cm ²	45W	4"	25"	2"
	EA 4H 15	33	30mJ/cm ²	55W	4"	27"	2"
	EA 4H 20	42	30mJ/cm ²	80W	4"	39"	2"
	EA 4H 40	47	30mJ/cm ²	90W	4"	46"	2"
Product Line Specifications							
Power Input		120/240v 50/60hz		Pressure Switch		No	
Housing		3"-4" PVC or stainless wrap		Indoor/Outdoor Installation		Yes	
Ballast		Electronic, hardwired		Limited Warranty		1 Year UV unit and lamp	
Lamp		High output - low pressure (approx. 16,000 hrs.)		Plumbing Options		3/4" barbed tailed piece (circ systems)	




DELTA-UV® SYSTEMS FOR POND & WATER FEATURES

Delta-UV® disinfection systems effectively treat wide range of water features. Water features range from fountains, pools, ponds, cascades, waterfalls, and streams. These may include indoor or outdoor features varying size from a desk top water fountain to a large indoor waterfall covering an entire commercial wall. The varying features are constructed from a wide selection of materials that include stone, granite, stainless steel, resin, and glass. Delta UV clean light technology promotes crystal clear water that extends the life of water feature materials and provides the aesthetic beauty of the water feature to shine through.

Ponds intend to reproduce the effect of a natural process. So, when thinking about the water treatment of the pond, green alternatives and natural solutions are priority. UV water treatment is an appropriate solution because it eradicates harmful bacteria, and destroys algae without adding chemicals, only light.

Sizing your UV system is important and based on the flow rate. Models in this series range from 26-80 gallons per minute.

INTRODUCING THE EP SERIES

EP Series	Models	Max. Flow Rate GPM	Dose mJ per cm ² at Recommended Flow Rate	UV Lamp Power	Diameter of Chamber	Total Height	Inlet/Outlet Diameter
	EP 5	26	30mJ/cm ²	30W	6"	17.5"	2"
	EP 10	35	30mJ/cm ²	45W	6"	24.5"	2"
	EP 15	53	30mJ/cm ²	55W	6"	27.5"	2"
	EP 20	70	30mJ/cm ²	80W	6"	38.75"	2"
	EP 40	80	30mJ/cm ²	90W	6"	46"	2"
Product Line Specifications							
Power Input		120/240v 50/60hz		Pressure Switch		Yes	
Housing		Mirror-polished high quality stainless steel		Indoor/Outdoor Installation		Yes	
Ballast		Electronic, standard plug		Limited Warranty		2 years (1 yr bulb pro-rated)	
Lamp		High output - low pressure (approx. 16,000 hrs.)		Plumbing Options		2" union and 3/4 barbed	



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