



DeltaUV

Ultraviolet Solutions
Safer for you, Better for the Environment

E&ES Series Ultraviolet Water Sanitation and Chloramine Reduction



FOR A CLEANER, HEALTHIER ENVIRONMENT

- Drastically reduces chemical use
- Destroys micro-organisms that chlorine and salt systems can't
- No nasty chlorine smell
- No more red eyes, dry skin or damaged hair
- Easier pool maintenance, simple, reliable
- Prolongs pool life & won't erode pool surface or equipment
- Environmentally friendly
- Compatible with all types of coatings and filters
- A treatment that can be automated with an existing chlorinator

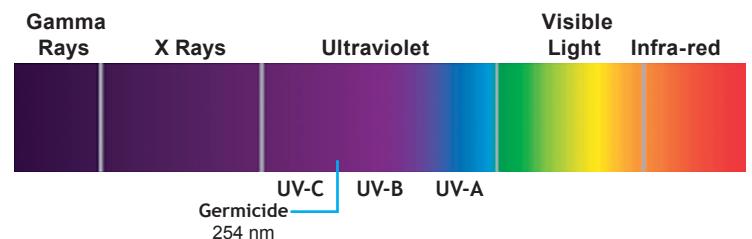
The UV Concept

The sun emits invisible light - ultraviolet light. Through leading edge technology, this natural phenomenon is reproduced inside the sanitizers of the Delta UV product range using powerful UV-C ray lamps. At 254 nanometers, the optimum wavelength for destroying micro-organisms (viruses, bacteria, algae, yeast, mold, etc.), Delta UV-C rays penetrate and disrupt their DNA, permanently deactivating germ cell metabolism so they cannot reproduce.



Engineered and Designed Specifically for Residential Pool Water Maintenance

Offer an incomparable and safer pool experience for your family and friends - silky smooth, odorless and salt-free.



E&ES Series

Ultraviolet Water Sanitation and Chloramine Reduction

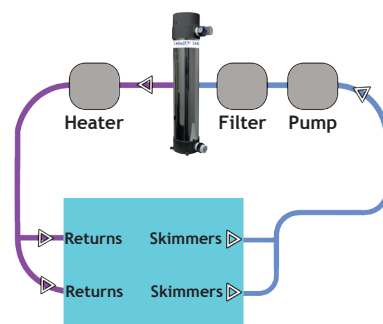
	DELTA UV	Chlorine and Derivatives	Salt Systems	Ozone	CuAg Ionizer
Health & Safety:					
99.9% Crypto and Giardia inactivation	YES	NO	NO	NO	NO
Generates DBP's, THM's, and HAA's	NO	YES	YES	YES	YES
Water Quality:					
Performance influenced by weather or climate	NO	YES	YES	YES	YES
Water clarity	YES	YES	YES	YES	YES
Operation and Maintenance:					
Monitoring, settings, adjustments required	NO	YES	YES	YES	YES
Risk of overtreatment	NO	YES	YES	YES	YES
Corrodes / stains pond surface and equipment	NO	YES	YES	YES	YES

SIMPLICITY AND HEALTH

The effectiveness of type C ultraviolet rays as a means of sanitization has been known for more than a century. It has been used in various applications such as for drinking water purification, aquaculture, fish farming, and in hospitals and the pharmaceutical industry. After filtration, water circulates through the Delta UV Sanitizer for complete disinfection - bacteria, viruses and algae are completely deactivated without side effects or dangerous by-products. This process results in the cleanest and purest water possible for your pool, and drastically reduces your need for chemical products. As it is not possible to build a pool where 100% of the water passes through a filter, you will still need to maintain a small residual of chemicals in your pool in order to destroy any micro-organisms that do not find their way into the UV sanitizer.

SAVINGS TO YOU

- Drastically reduce the costs associated with chemical use
- Minimal ongoing expenditure (lamp replacement expected every 3 years for seasonal pools)
- Easy and quick installation and maintenance



Ultraviolet Disinfection E&ES RANGE SPECIFICATIONS

E&ES UV model	Max. Flow Rate GPM	Max. Flow Rate m ³ /h	Performance in millijoules per cm ² at actual recommended flow rates	Pressure max.	UV lamp Power	Diameter of reactor	Total height	Inlet/Outlet diameter PVC union
E&ES 31	31	7	30mJ/cm ²	40 psi - 3 bars	1 x 30W	8" - 203 mm	17¾" - 450,8 mm	2" - 63 mm
E&ES 46	46	13	30mJ/cm ²	40 psi - 3 bars	1 x 45W	8" - 203 mm	24" - 625 mm	2" - 63 mm
E&ES 57	57	15	30mJ/cm ²	40 psi - 3 bars	1 x 55W	8" - 203 mm	27½" - 698,5 mm	2" - 63 mm
E&ES 80	80	18	30mJ/cm ²	40 psi - 3 bars	1 x 80W	8" - 203 mm	38¾" - 987 mm	2" - 63 mm
E&ES 110	110	25	30mJ/cm ²	40 psi - 3 bars	1 x 90W	8" - 203 mm	46" - 1168 mm	2" - 63 mm

For more information about DELTA UV sanitizing units and for the name of your nearest dealer, contact DELTA toll free at 1-866-889-8765 or 1-310-323-6400 or online at info@deltauv.com.

E&ES PRODUCT LINE SPECIFICATIONS

- Power Input: 120/240V/50/60hz
- Housing: E Series-special 8" PVC Plastic
ES Series-special 8" PVC Plastic with Stainless Steel Wrapper
- Ballast: Electronic
- Lamp: High Output – Low Pressure (16,000 hrs.)
- Dry Fire Protection: Yes
- Pressure Gauge: Yes
- Indoor/Outdoor Installation: Yes
- Limited Warranty: 2 Years (1 year bulb)
- Plumbing options : 2" PVC Unions



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