

# E&ES Pool Series

Ultraviolet Water Sanitation and Chloramine Reduction

DeltaUV  
Ultraviolet Solutions

*Safer for you. Better for the environment*



## FOR A CLEANER, HEALTHIER POOL ENVIRONMENT

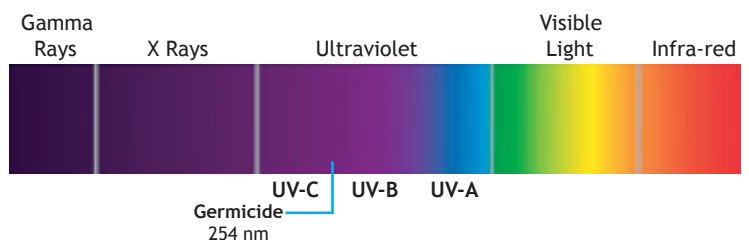
- Drastically reduce chemical use
- Destroy the micro-organisms that chlorine and salt systems can't
- No nasty chlorine smell
- No more red eyes, dry skin or damaged hair
- Easier pool maintenance, simple, reliable
- Prolongs pool life - won't erode pool surface or equipment
- Environmentally friendly
- 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 Pool Series

## Ultraviolet Water Sanitation and Chloramine Reduction

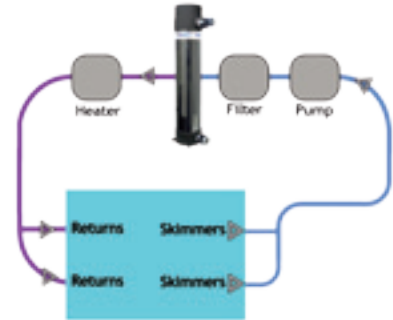
	DELTA UV	Chlorine and Derivatives	Salt Systems	Ozone	CuAg Ionizer
<b>Health &amp; Safety:</b>					
99.9% Crypto and Giardia inactivation	YES	NO	NO	NO	NO
Generates DBP's, THM's, and HAA's	NO	YES	YES	YES	YES
<b>Water Quality:</b>					
Performance influenced by weather or climate	NO	YES	YES	YES	YES
Water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

### 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

### 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.



### Ultraviolet disinfection E&ES RANGE SPECIFICATIONS

E&ES UV model	Max. Flow Rate GPM	Max. Flow Rate m <sup>3</sup> /h	Performance in millijoules per cm <sup>2</sup> at actual recommended flow rates	Pressure max.	UV lamp Power	Diameter of reactor	Total height	Inlet/Outlet diameter PVC union
E&ES 5	31	7	30mJ/cm <sup>2</sup>	40 psi - 3 bars	1 x 35W	8" - 203 mm	17.75" - 450,8 mm	2" - 63 mm
E&ES 15	57	13	30mJ/cm <sup>2</sup>	40 psi - 3 bars	1 x 45W	8" - 203 mm	27.5" - 698,5 mm	2" - 63 mm
E&ES 20	80	18	30mJ/cm <sup>2</sup>	40 psi - 3 bars	1 x 90W	8" - 203 mm	38.87" - 987 mm	2" - 63 mm
E&ES 40	110	25	30mJ/cm <sup>2</sup>	40 psi - 3 bars	1 x 110W	8" - 203 mm	46" - 1168 mm	2" - 63 mm

Note: Model upsizing can be utilized for maximum sanitation.

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 1-310-323-64-00 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 reflective Inner Wrapper

& Mirror Polished Stainless Steel Outer Wrapper

- Ballast: Electronic

- Lamp: High Output - Low Pressure (13,000 hrs.)

- Dry Fire Protection: Yes

- Pressure Gauge: Yes

- Indoor/Outdoor Installation: Yes

- Limited Warranty: 3 Years ES-Series / 2 Years E-Series (1 year bulb)

- Plumbing options : 2" PVC Unions

**YOUR DEALER**



[www.deltauv.com](http://www.deltauv.com)