



# DeltaUV

## Ultraviolet Solutions

*Safer for you, Better for the Environment*

### ELP AM: Low Pressure Amalgam UV

### Commercial Pools & Spas

**NSF  
50**

**Certified**



- Improve Water & Air quality by reducing chloramines — ideal for indoor pools
- Prevent red eyes, dry skin and damaged hair
- Reduce Chemical usage
- > Continuous treatment for immediate disinfection and dechloramination
- > Renders 99.99% of bacteria harmless
- > Bacteriological control results that exceed standard requirements

**Engineered and Designed  
Specifically for Sanitation  
and Dechloramination of Large  
Commercial Aquatic Facilities**

### **Get Cleaner, Healthier water with Clean Light Technology**

The ELP AM Series eradicates Cryptosporidium, Giardia and other harmful pool and spa water contaminants and chlorine by-products.

Commercial pools are regulated under strict testing protocols. Local and National news frequently report on pool closures associated with outbreaks of «Crypto» and Giardia contamination. Delta UV provides the most advanced technology available for the eradication of these bacteria with the added benefit of Chloramine removal for improved air quality. As the World leader in ultraviolet sanitation solutions, Delta UV offers a full product line of NSF-50 certified products for your aquatic facility.

# ELP AM Series

Ultraviolet Water Sanitation and Chloramine Reduction

deltauvcommercial.com  
866-889-8765

*Ideal for higher flow rate pools including Municipal pools, Commercial Aquatic facilities and pools with high bather loads.  
Ideal for retrofit applications.*

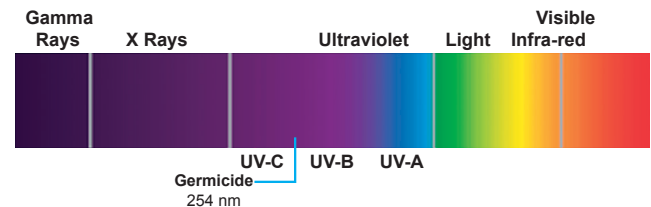
- Destroys organic matter and eliminates the formation of dangerous chlorine by-products (chloramines) that commonly lead to red, stinging eyes, skin irritations, asthma and allergies.
- The ELP range delivers 60mJ at the end of the lamp's life assuring optimum dechloramination efficiencies
- Average lamp life up to 16,000 operating hours (depending on on/off cycles)
- Electronic ballasts providing maximum UV lamp efficiency and integrated control
- Optimized performance levels with UV-C high intensity lamps
- Single base lamps and patented water-proofing system to facilitate maintenance
- Sanitizers made from micro-bitted and passivated 316L stainless steel providing high resistance to corrosion

**The Amalgam UV Technology:** EPL AM Series employ Amalgam lamps exclusively. This technology allows a higher power in the lamp and a bigger performance in terms of flow treatment

**Cleaner Water:** Dimensioned according to the pump flow rate which combines exposure time in the UV sanitizer and the power of the lamp(s) to ensure that the necessary dose (expressed in millijoules per square centimeter or mJ/ cm<sup>2</sup>) is sufficient to kill 99,99% of the micro-organisms (bacteria, viruses, «Crypto», etc.)

**Cleaner Air:** In the particular case of dechloramination, a dose of 60mJ is essential in order to be able to significantly reduce the level of chloramines, which are responsible for respiratory irritation and illness.

**The UV Concept:** UV-C light naturally sanitizes water. Delta UV reproduces this phenomenon in these sanitizers' powerful UV-C ray lamps which transmit at 254 nano-meters, the optimum wavelength for destroying micro-organisms (viruses, bacteria, algae, yeast, mold etc). Installed in-line just after the pool's existing filtration system, the Delta UV-C product rays penetrate and disrupt the micro-organisms' DNA, permanently deactivating germ cell metabolism so they cannot reproduce.



Ultraviolet disinfection & dechloramination/ NSF-50 Certified  
ELP AM RANGE SPECIFICATIONS

Model	Rated Pressure (PSI)	Max. flow rate (GPM)	UV lamp: Number & Power consumption	Rated Power (kW)	Number of Ballasts	Length and Diameter of reactor (inches)	Inlet/outlet size
ELP 210/3AM	50	440	2 x 297 W	594	2	46" 1/6"	Flanges 6"
ELP 310/3AM	50	650	3 x 297 W	891	3	46" 1/6"	Flanges 6"
ELP 314/3AM	50	695	3 x 297 W	891	3	46" 1/6"	Flanges 8"
ELP 414/3AM	50	920	4 x 297 W	1188	4	46" 1/6"	Flanges 8"
ELP 514/3AM	50	1140	5 x 297 W	1485	5	46" 1/6"	Flanges 8"
ELP 516/3AM	50	1260	5 x 297 W	1485	5	46" 1/6"	Flanges 8"
ELP 616/3AM	50	1510	6 x 297 W	1782	6	46" 1/6"	Flanges 10"
ELP 716/3AM	50	1760	7 x 297 W	2079	7	46" 1/6"	Flanges 10"
ELP 816/3AM	50	2010	8 x 297 W	2376	8	46" 1/6"	Flanges 10"
ELP 1016/3AM	50	2520	10 x 297 W	2970	10	46" 1/6"	Flanges 10"

Performance in millijoules per cm<sup>2</sup> at actual recommended flow rates: 60 mJ/cm<sup>2</sup> - Inlet/outlet configuration: U



EPA Est #075659-CA-001