



DeltaUV

Ultraviolet Solutions
Safer for you, Better for the Environment

ELP Series Low Pressure (HO)

Commercial Pools & Spas



Engineered and Designed
Specifically for Sanitation
and Dechloramination of
Commercial Pools & Spas

Get Cleaner, Healthier water with Clean Light Technology

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

- Improve Water & Air quality by reducing chloramines
 - 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

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.

deltauvcommercial.com

Toll Free: 1-866-889-8765
Canada: 1-310-323-6400

ELP Series HO

Ultraviolet Water Sanitation and Chloramine Reduction

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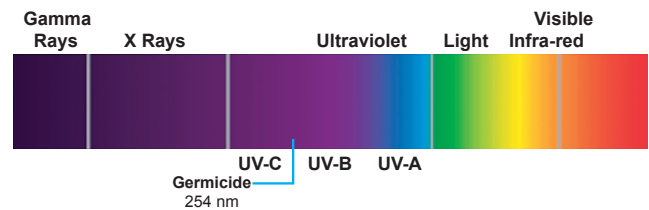
Ideal for low flow rates including Splash Parks, Aquatic facilities, Fountains, Fitness and YMCA Clubs.

- 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 HDPE providing high resistance to corrosion

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/ cm²) 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 nanometers, 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 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
ELP28 HO	50	79	2 x 87 W	0.191	2	37 5/8"	Flanges 3"
ELP38 HO	50	116	3 x 87 W	0.287	3	37 5/8"	Flanges 3"
ELP48 HO	50	158	4 x 87 W	0.383	4	37 5/8"	Flanges 3"
ELP58 HO	50	254	5 x 87 W	0.478	5	37 5/8"	Flanges 4"
ELP68 HO	50	295	6 x 87 W	0.574	6	37 5/8"	Flanges 4"
ELP78 HO	50	329	7 x 87 W	0.670	7	37 5/8"	Flanges 4"
ELP610 HO	50	396	6 x 87 W	0.574	6	37 5/8"	Flanges 6"

Performance in millijoules per cm² at actual recommended flow rates: 60 mJ/cm² - Inlet/outlet configuration: U



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