



Delta UV

Ultraviolet Solutions

Safer for you, Better for the Environment

EM SERIES: Medium Pressure UV

Commercial Pools & Spas



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

Get Cleaner, Healthier water with Clean Light Technology

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

- 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

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.

EM Series

Ultraviolet Water Sanitation and Chloramine Reduction

deltauvcommercial.com
866-889-8765

Ideal for high bather loads on Indoor Pools, Competition Pools; Commercial aquatic facilities, Municipalities, Colleges, Universities, and YMCAs.

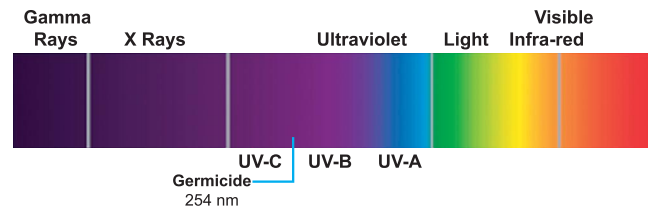
- Destroys organic matter and eliminates the formation of dangerous chlorine by-products (chloramines) that commonly lead to red, stinging eyes, skin irritations, asthma and allergies.
- The EM range delivers 60mJ at the end of the lamp's life assuring optimum dechloramination efficiencies
- Average lamp life from up to 6000 to 9000 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

EM Series Medium Pressure Lamps: High power medium pressure polychromatic UV-C technology. These multi-wavelength lamps reduce the number of UV-C lamps while providing optimum wavelengths for the removal of chloramines such as trichloramines. Also generating 254nm of UV-C germicidal light, the Medium Pressure technology effectively eradicates water borne pathogens.

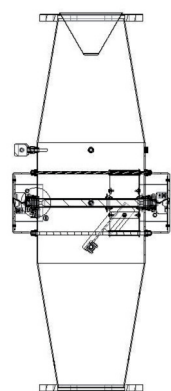
Cleaner Water: Dimensioned according to the pump flow rate which combines exposure time in the UV sanitizer and the power of the lamp(s) to ensure that the necessary dose (expressed in millijoules per square centimeter or mJ/ cm²) is sufficient to kill 99,99% of the micro-organisms (bacteria, viruses, «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 EM Series Medium Pressure Lamps						
Description	FLOW RATE at 60 mJ/cm ²		Performance in millijoules per cm ² at maximum recommended flow rates	UV lamp: Number & Power consumption at max. intensity end of lamp's life	Flange Size	Length of UV System
	GPM	m ³ /h				
EM 130 EL	100	30	60mJ/cm ²	1 x 0.6 kW	3"	18.60"
EM 130 EL	170	40	60mJ/cm ²	1 x 1 kW	3"	18.60"
EM 300 EL	300	80	60mJ/cm ²	1 x 1 kW	6"	46.46"
EM 600 EL	600	140	60mJ/cm ²	1 x 3 kW	6"	46.46"
EM 1300 EL	1300	300	60mJ/cm ²	1 x 4 kW	8"	50.39"
EM 2000 EL	2000	450	60mJ/cm ²	2 x 4 kW = 8 kW	10"	41.73"
EM 3000 EL	3000	675	60mJ/cm ²	3 x 4 kW = 12 kW	12"	30.31"
EM 4000 EL	4000	900	60mJ/cm ²	4 x 4 kW = 16 kW	12"	34.25"



These dimensions are provided as a guide; more precise details will be given with each order.

The performance of these devices has been calculated at the end of the lamp's life and with a transmittance of 98%

For additional flow rates (spas, hotels, etc...), please contact your dealer.



EPA Est #075659-CA-001

AUTHORIZED DEALER