

UV Disinfection

Ultraviolet Solutions



ATEC ES-20

Effective Dose

The reactors in the ATECPPOOL UV ranges are dimensioned according to the pump flow rate, as it is the combination of the contact time in the reactor and the power of the lamp(s) that will ensure that the necessary dose (expressed in millijoules per square centimeter or mJ/cm^2) sufficient to kill 99.9% of the micro-organisms (bacteria, viruses, algae, etc.).

ATEC ES Series UV Sterilizers - Specifications

- Drastically reduces chemical use by 50%
- Sterilizes 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 & equipment life
- Environmentally friendly
- Compatible with all types of coatings and filters
- Compatible with all pool chemical treatments
- A treatment that can be automated with an existing chlorinator
- Power supply: 120/240V / 50 - 60Hz
- Housing: ES series-special 8" PVC plastic with stainless steel reflective inner liner and mirror polished stainless steel outer cladding.
- Ballast: electronic
- Pressure gauge: yes
- Indoor / outdoor installation: yes
- Plumbing options: 63mm or 2" PVC unions

ES Series Specification							
	Max Flow Rate	UV dose in millijoules per cm^2 at actual recommended flow rates	Pressure Max	UV Lamp	Diameter of Reactor	Total Height	Inlet/Outlet diameter PVC Union
Feature	(m^3/h)	(mJ/cm^2)		(W)	(mm)	(mm)	(mm)
ATEC ES-5	7	30	40 psi - 3 bars	1x30W	8"	450.8 mm	63 mm
ATEC ES-15	13	30	40 psi - 3 bars	1x45W	8"	625 mm	63 mm
ATEC ES-20	18	30	40 psi - 3 bars	1x80W	8"	987 mm	63 mm
ATEC ES-40	25	30	40 psi - 3 bars	1x90W	8"	1168 mm	63 mm



ATEC UV-40

ATEC UV & HO Series Stainless Steel Reactor - Specifications

- Specially adapted reactors made from mirror-polished 316L stainless steel, optimized with UV-C lamps using state of the art technology with high-intensity (HO) performance.
- Very long lamp service life (up to 13.000 hr)
- Dedicated electronic ballast guaranteeing maximum lamp UV efficiency and integrated control
- Single-base lamps and patented sealing system for an easy maintenance
- Lamp operating indicator light for each lamp
- Insignificant pressure loss
- Inlet / outlet connections using unions supplied
- Power supply: 120/240V / 50 - 60Hz
- Maximum operating pressure: 3 bar

UV & HO Stainless Steel Reactors Specification						
	Max Flow Rate	UV dose in millijoules per cm^2 at actual recommended flow rates	UV Lamp	Inlet / Outlet Diameter	Height of Reactor	Diameter of Reactor
Feature	(m^3/h)	(mJ/cm^2)	(W)	(mm)	(mm)	(mm)
ATEC UV-10	7	30	1 x 33	50	426	150
ATEC UV-20	12	30	1 x 55	50	696	150
ATEC UV-30	20	30	1 x 87	63	942	150
ATEC UV-40	25	30	1 x 105	75	1196	150
UV-3000 HO	33	30	3 x 87	63	1004.6	150
UV-3205 HO	45	30	3 x 87	75	1040	205
UV-4205 HO	65	30	4 x 87	75	1040	205
UV-5205 HO	85	30	5 x 87	75	1040	205
UV-6205 HO	95	30	6 x 87	75	1040	205
UV-6273 HO	130	30	6 x 87	75	1040	273

Note: The performance of these devices have been calculated at the end of the lamp's life and with a transmission of 98%.
Contact our professional team for other flow rates.