

# UV Disinfection Ultraviolet Solutions



ATEC E-5

## Standard UV Disinfection - 316L stainless steel housing

Atec E-Series UV System disinfection in a very compact design, with easily replaceable lamps that are with single base. Suitable for residential pools, fish ponds, residential drinking water treatment. The UV lamp provides a UV dose of 30 mJ/cm<sup>2</sup>, which is sufficient disinfection and protection against 99.9% chlorine resistant micro-organisms.

### ATEC E-Series UV Sterilizers Specifications

- Reduces the chlorine consumption up to 50%.
- 316L Stainless Steel housing with mirror polished interior that increases the UV-C radiation reflection, thereby increasing the efficiency by up to 35%.
- Optional timer to control the running operation hours.
- Single-base lamps and patented sealing system for an easy maintenance.
- Inlet / outlet connections using unions supplied.
- Lamp service life (up to 9.000 hr)
- Power supply: 120 / 240V / 50 - 60Hz

E Series Specification						
	Max Flow Rate	UV dose in millijoules per cm <sup>2</sup> at actual recommended flow rates	Pressure Max	UV Lamp	Max. Current	Inlet/Outlet diameter PVC Union
Feature	(m <sup>3</sup> /h)	(mJ/cm <sup>2</sup> )		(W)	(A)	(inch)
ATEC E-5	7	30	40 psi – 3 bars	16W	0.29	1.5"
ATEC E-15	20	30	40 psi – 3 bars	40W	0.29	2"
ATEC E-20	25	30	40 psi – 3 bars	75W	0.29	2"



ATEC E-40

## Standard UV Disinfection - 316L stainless steel housing with flow switch

Atec E-Series UV System disinfection in a very compact design, with easily replaceable lamps that are with single base. The amalgam version includes a flow switch that will cut-off the lamp power to protect the system from over heating when the water flow is lower than required.

### ATEC E-Series UV Sterilizers Specifications

- Equipped with flow switch
- Inlet / outlet connections using unions supplied
- Lamp service life (up to 9.000 hr)
- Power supply: 120 / 240V / 50 - 60Hz

E Series Specification						
	Max Flow Rate	UV dose in millijoules per cm <sup>2</sup> at actual recommended flow rates	Pressure Max	UV Lamp	Max. Current	Inlet/Outlet diameter PVC Union
Feature	(m <sup>3</sup> /h)	(mJ/cm <sup>2</sup> )		(W)	(A)	(inch)
ATEC E-40	30	30	40 psi – 3 bars	130W	1.1	2"

## UV - C Ozone Disinfection - 316L stainless steel housing

Atec UV - C Ozone combines the ozone and UV - C state of art technology for disinfection. Water pumped into the unit through reactor and air sucked through venturi system into the unit via air injector and flows through quartz glass and ozone UV - C lamp. Air enters the lamp and loaded with ozone particles then pass through ball valve and mixed with water inside reactor, thereby giving UV - C Ozone disinfection to water bodies.



ATEC UV - C Ozone

E Series Specification						
	Max Flow Rate	Pool Volume	Pressure Max.	UV Lamp	Max. Current	Inlet/Outlet diameter PVC Union
Feature	(m <sup>3</sup> /h)	(m <sup>3</sup> )		(W)	(A)	(inch)
ATEC UV - C Ozone	25	90 - 100	40 psi – 3 bars	87W	1.1	2"