

GEMAS ULTRAVIOLE UV-C DISINFECTION SYSTEMS



Product Details: Ultraviolet disinfection systems work with the principle of lethal effects of 220-280 wave length Ultraviolet lights on living organisms. This wave-length ultraviolet lights require a specific contact time to kill microorganisms by destroying their cell walls. The UV devices are designed to assure this contact time. UV radiation is considered in 4 spectrum: UV-A, UV-B, UV-C and vacuum UV. UV-C spectrum is used for water disinfection with the wave length as specified above.

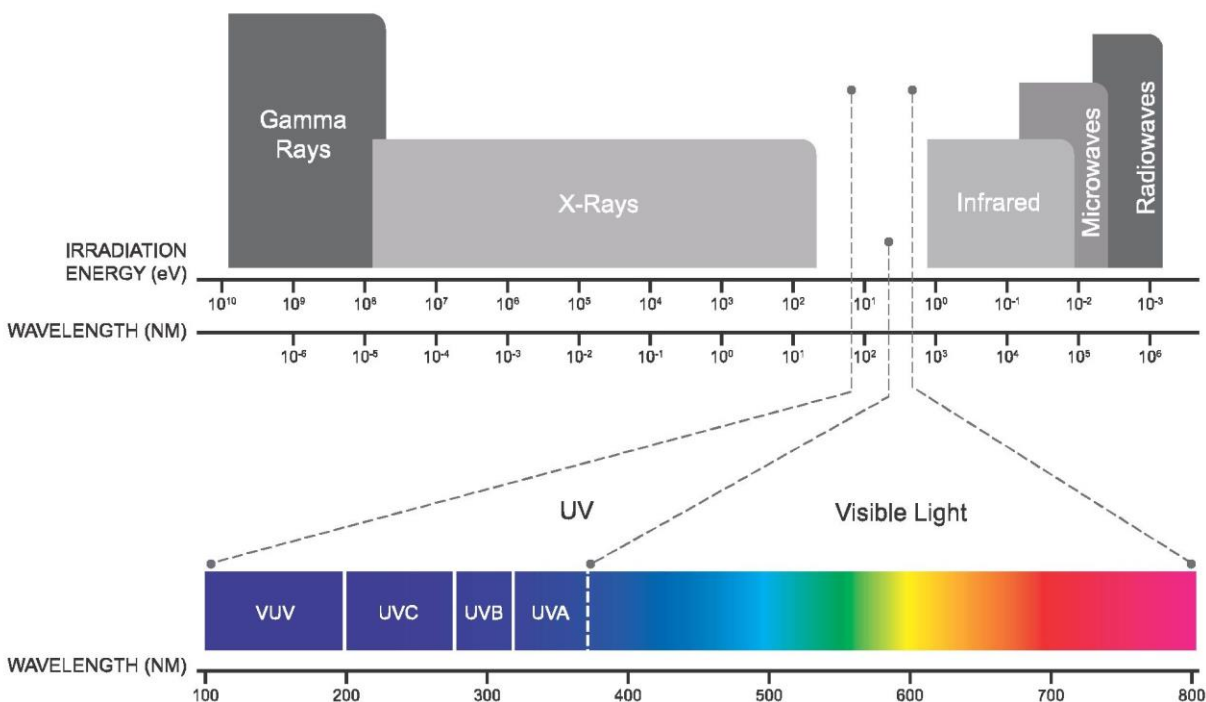
Devices left; designed for private pools. SPA models are plastic body and inner surface is made of polished aluminum that increases the radiation. Pool models are 316L quality stainless steel body, enables +35% radiation efficiency. Devices are assembled with **timers** that shows bulb operating life. Devices give warning when bulbs complete their lifespan. Also, there is **flow switch (circuit breaker)** at the outlet of 130 watt device that disables the bulb when pool circulation stops. In this model, **AMALGAM** bulb has been used which allows most effective UV-C radiation. Max. operating pressure is 2 bar.

Technical Characteristic

Advantages :

- Reduces Chlorine and Chemical consumption 50 % to 80 %.
- Effective for all microorganisms.
- Remove all the side effects caused by chlorine (skin irritation, eye burn, allergy, asthma etc.)
- Reduces all chemical usage and leaves no harmful waste.
- Destroys all bound chlorine compounds (=chloramines) and other harmful organic compounds.
- Low operating cost, and eco-friendly technology

Description	Code
POOL UV-C Device, up to 40 m3	06NTUV40T
POOL UV-C 75 Device, with Timer, up to 75 m3	06NTUV75T
POOL UV-C 130 Device, with Timer, and Flow Switch, up to 150 m3	06NTUV130TF



Technical Specifications	NT-UV40-T	NT-UV75-T	NT-UV130-TF
Pool Volume (m ³)	40	75	150
Max. Flow Rate (m ³ /h)	20	25	30
Max. Working Pressure (bar)	3	3	3
Diameter (mm)	72	72	72
Length (cm)	60	100	100
Outlet Diameter (mm)	63-50	63-50	63-50
Stainless Steel	316L	316L	316L
Electronic Ballast	120-240V AC 50/60Hz	120-240V AC 50/60Hz	120-240V AC 50/60Hz
Max. Current (Amp)	0,27	0,5	1,1
Bulb Power (W)	40	75	130
Wave Length (nm)	253,7	253,7	253,7
Setting Time	Var	Var	Var
Bulb Change Warning	Var	Var	Var
Flow Switch	-	-	Var
Chemical Usage Decrease	%80	%80	%80
Weigh (Kg)	4	5	5,5
Package Size (mm)	260 x 110 x 550	280 x 150 x 1010	280 x 150 x 1010