

## Afg Su Arıtma Teknolojileri Ltd. Şti.

Ayanoglu Quarter. Suleyman Demirel Avenue.  
No:70 Kepez / Antalya - Turkey, PK 07020  
Tel : (+90) 242 327 00 17  
Pbx: (+90) 242 327 00 20

# Ultraviolet Systems

## EUVC Serial



## Ultraviolet Systems

UV systems is the disinfection process of in effecting microorganisms without adding any chemical or oxidant to water. By means of Ultraviolet lamp placed inside glass cover similar to tube, dosage adjusted UV LIGHT is given to inlet water of the equipment. This ultraviolet lights breaks DNA structure of microorganisms, makes them ineffective. By this way, % 99.9 average ratio of disinfection productivity is achieved.

## EUVC Serial Ultraviolet System

To be able to kill microorganisms with this system, ultraviolet light must directly hit over them. For this reason, before water enters in ultraviolet system, parameters such as sediment, cloudiness must be removed from water. Sand filter or cartridge filters are recommended to be used before ultraviolet systems.

Another subject that must be paid attention at ultraviolet systems, system must be used as much close as to final use area. Beside this, outlet water from system must especially not enter into separate unit open to atmosphere and must be used without delay. To obtain good productivity from ultraviolet units, periodical maintenance is important. UV lamp change once a year and periodical Quartz glass cleaning depending on raw water Quality must be made. Incase, this cleaning is not made, UV light affect will decrease and output of equipment will decrease.

## Specifications of EUVC Serial Ultraviolet Systems

MODEL	INLET OUTLET	FLOW (m3/hour)	ENERGY (watt)	LAMP QTY	DIMENSIONS (mm)		
					W	L	H
EUVC 5	1/2" threaded	0,4	14	1	80	60	382
EUVC 15	1" threaded	1,5	21	1	95	60	531
EUVC 30	1" threaded	3	65	1	95	60	941
EUVC 50	1" threaded	5	78	1	95	60	941
EUVC 110	1 1/2" threaded	10	130	2	200	945	215
EUVC 115	1 1/2" threaded	15	195	3	250	950	250
EUVC 120	2" threaded	20	260	4	300	950	310
EUVC 125	2" threaded	25	325	5	300	950	310
EUVC 130	2 1/2" threaded	30	390	6	415	430	1180
EUVC 140	3" threaded	40	520	8	465	475	1180
EUVC 150	4" flanged	50	650	10	465	475	1180
EUVC 160	4" flanged	60	780	12	525	520	1180
EUVC 180	4" flanged	80	1040	16	600	585	1180
EUVC 200	5" flanged	100	1300	20	600	585	1180



## Specifications of EUVC Serial Amalgam Ultraviolet Systems

MODEL	INLET OUTLET	FLOW (m3/hour) (300 J/m3)	FLOW (m3/hour) (400 J/m3)	POWER (Watt)	LAMP QUANTITY
<b>EUVC 300</b>	2" threaded	25	19	320	1
<b>EUVC 600</b>	3" flanged	50	38	640	2
<b>EUVC 900</b>	4" flanged	75	57	960	3
<b>EUVC 1200</b>	5" flanged	100	75	1280	4
<b>EUVC 1900</b>	6" flanged	150	115	1920	6
<b>EUVC 2400</b>	8" flanged	200	150	2560	8
<b>EUVC 3600</b>	8" flanged	300	225	3840	12
<b>EUVC 7200</b>	12" flanged	600	450	7200	24

- Body AISI 304 Stainless Steel ( Optional AISI 316 L Stainless Steel)
- Power Supply 220V / 50 hz
- Operation Pressure 8 bar
- Lamp Life 9000 hour
- LIGHTTECH Lamp Brand

