



**10TH
YEAR**

**Wonder UV
Since 2002**

INTERNATIONAL
IUVA
ULTRAVIOLET ASSOCIATION
国际紫外线协会会员

ULTRAVIOLET[®]
Water
Sterilizer





WONDER

Since 2002

Wonder Girl



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Ultraviolet application

Light is electromagnetic radiation or radiant energy traveling in the form of waves. UV energy is found in the electromagnetic spectrum between visible light and X-rays, and it can be described as invisible radiation. The energy employed for UV water treatment is further categorized into two primary levels measured as wavelengths– 254nm and 185nm.

Thanks to ultraviolet disinfection's outstanding advantages in water treatment application (safe, low cost, efficient and effective disinfection, no pollution to water, simple operation, etc.), ultraviolet disinfection is regarded as one of the best disinfection ways in the world. Around the world, especially in European Union and North America, UV is the first choice for POU and small water supply system and it provides high quality purified water for multiple industries.

- Residential drinking water
 - Drinking Water Machines
 - Hotels
 - Hospitals
 - Cooling Towers
 - Humidification Systems
 - Circulating water recycling
 - Mineral Water
 - Bottled Water
 - Beer Industry
 - Food Process Water
 - Swimming Pool & SPA
- Pharmaceutical Industry
 - Cosmetics
 - Chemicals
 - Laboratories
 - Electronic Industry
 - Microelectronic
 - Semiconductor
 - Aquaculture & Hydroponic
 - Fish Hatcheries
 - Artificial Fountains & Landscape Water
 - Sewage Treatments

Principle of UV disinfection

Ultraviolet disinfection technology can sterilize water in an effective and efficient way, and neither extra heating nor use of harmful chemicals is required. Water after treatment does not have peculiar smell or taste.

RNA and DNA in the microorganisms can absorb ultraviolet energy. Ultraviolet energy (254nm wavelength) can polymerize the base pair of DNA, disable microorganism's reproduction by preventing the biosynthesis of protein, and finally kill the microorganisms. Different from Chlorine, Chlorine Dioxide, Ozone, and other chemical disinfection, ultraviolet disinfection is a physical process. During the disinfection process, ultraviolet disinfection system does not produce any by-product.

The advantages of the ultraviolet disinfection

- ①Ultraviolet disinfection technology is very expeditious in destroying bacteria.

Ultraviolet energy can destroy bacteria and virus in just about 1–5 seconds. In order to reach the same disinfection effect, it costs about 30 minutes or more contact time by use other chemical methods (Chlorine, Chlorine Dioxide, Ozone).
- ②Comprehensive range of disinfection

Ultraviolet disinfection technology has been widely applied for efficiently destroying pathogenic microorganisms, bacteria, and virus.
- ③No secondary pollution

Since no chemical is added, ultraviolet disinfection system will not cause secondary pollution for water and environment.
- ④Low operational costs, simple operation and maintenance, and economical prices.
- ⑤Occupied small space

Occupied small space and easy assembly enable ultraviolet equipment to be installed at the place near water and power source. The ultraviolet equipment starts working after connecting the inlet and outlet of the ultraviolet equipment and powering up.

Water quality is extremely important for the optimum performance of UV system. The following requirements for source water are recommended for installation:

- A. Bacteria index: The total coliform bacteria value in water should be less than 1000 bacteria/L and the total bacteria count should be less than 2000 bacteria/mL

B. The chroma is less than 15 degree.

C. The total iron content: <0.3ppm (0.3 mg/L)

D. Turbidity: < 5 Degree

E. Manganese: <0.05ppm (0.05 mg/L)

F. Hardness: < 7gpg (120mg/L), if total hardness is over 7 gpg, the water should be softened.

G. UV Transmittance: >75%



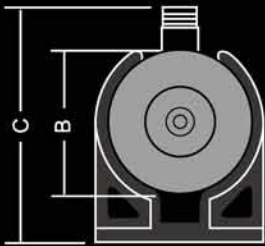
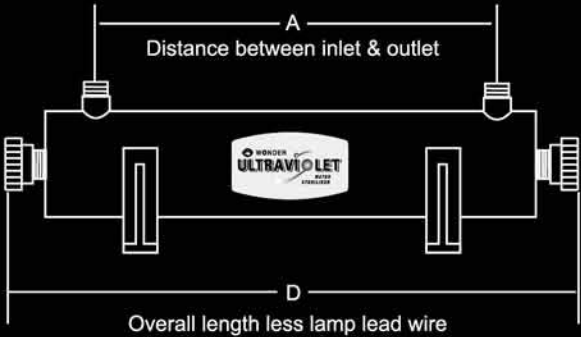
GN Series



System Tested and Certified by NSF International against NSF/ANSI Standard 55 for the reduction of Class B



- Hospitals
- Hotels
- Humidification Systems
- Laboratories
- Residential drinking water
- Schools



Plastic Clips



Flow Rate Controllers



Size unit:mm

Model	GN-2	GN-3	GN-6	GN-8	GN-12	GN-15
NSF Suggested Flow Rate 16mj/cm ²	2.5GPM (567LPH)	3.5GPM (794LPH)	5.5GPM (1247LPH)	7.8GPM (1769LPH)	12GPM (2722LPH)	12GPM (2722LPH)
NSF Standard Maximum Flow Rate 16mj/cm ²	3GPM (680LPH)	3.7GPM (839LPH)	6GPM (1361LPH)	9.1GPM (2064LPH)	12.9GPM (2926LPH)	13GPM (2948LPH)
Flow Rate @ 96% UVT 30mj/cm ²	3.45GPM (782LPH)	3.55GPM (805LPH)	6.4GPM (1452LPH)	10GPM (2268LPH)	13.9GPM (3153LPH)	21.3GPM (4831LPH)
Flow Rate @ 96% UVT 40mj/cm ²	2.55GPM (578LPH)	2.6GPM (590LPH)	4.8GPM (1089LPH)	7.5GPM (1701LPH)	10.4GPM (2359LPH)	16GPM (3629LPH)
A	235	260	440	585	800	800
B	63.5	63.5	63.5	63.5	63.5	63.5
C	110	110	110	110	113	113
D	350	370	550	700	930	930
Inlet & outlet size	1/2" NPT	1/2" NPT	1/2" NPT	3/4" NPT	1" NPT	1" NPT
Lamp Power	14W	15W	21W	29W	40W	65W
Max.current	0.4 Amp	0.4 Amp	0.4 Amp	0.4 Amp	0.5 Amp	0.9 Amp
Volts	100 - 240V / 50 - 60Hz					
Operating Pressure	10 - 100Psi (69 - 689Kpa)					
Operating Temperature	2°C - 40°C (32 - 122)°F					
Chamber Material	304SS	304SS	304SS	304SS	304SS	304SS

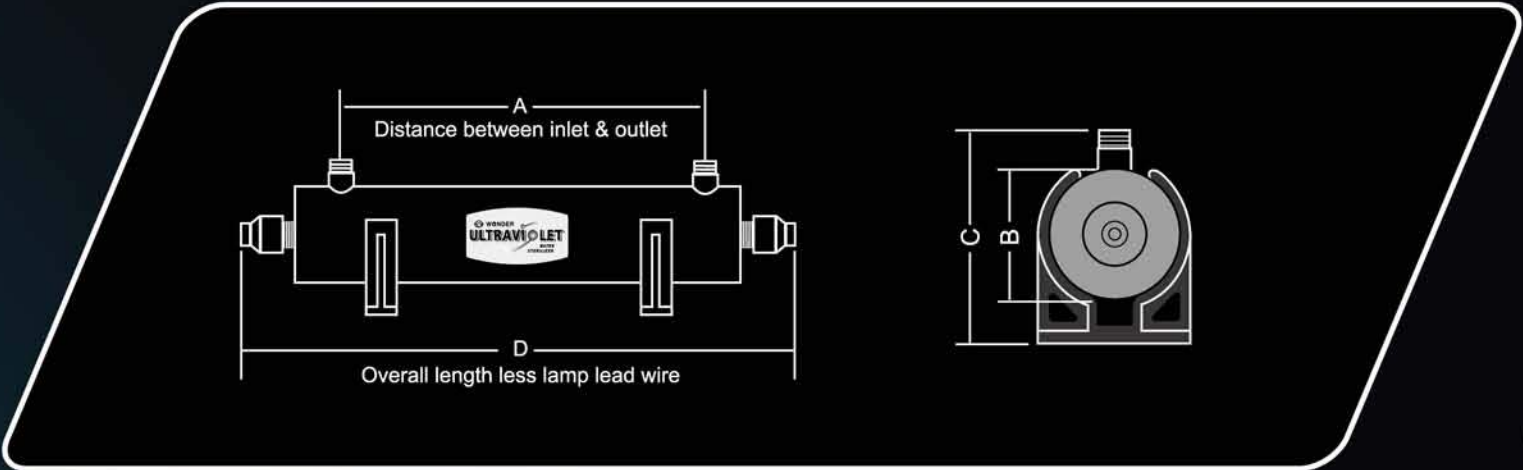
PC Series



Ferrule Clamps



Male/Female Threads



- Hospitals
- Hotels
- Humidification Systems
- Laboratories
- Residential drinking water
- Schools



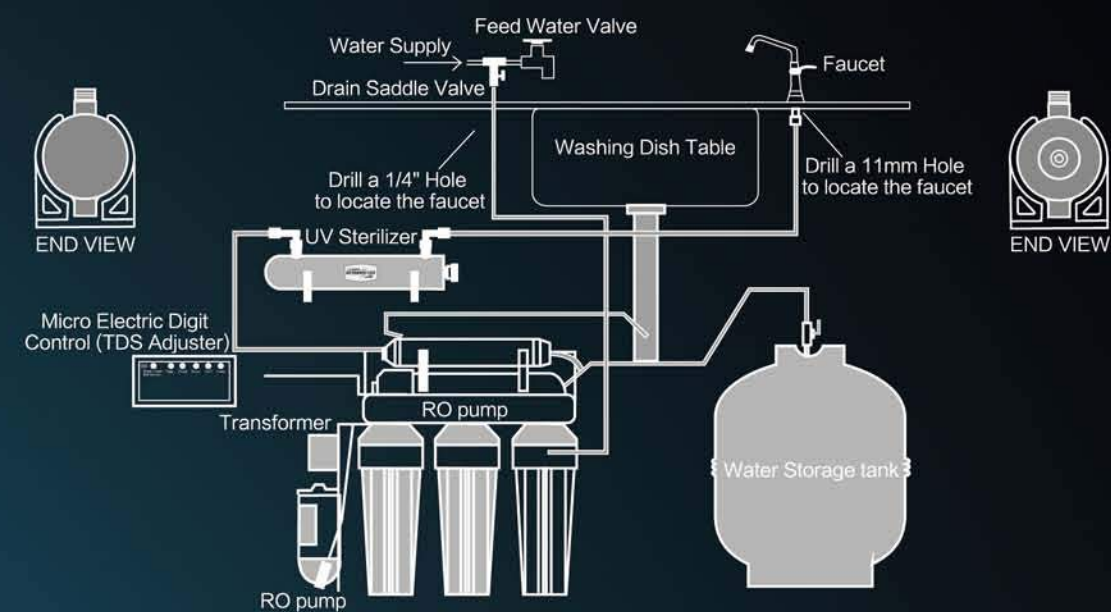
Size unit:mm

Model	A	B	C	D	Inlet&outlet size	OPTIONAL
PC-1	168	50.8	90	270	1/4" NPT or BSP	—
PC-2	235	63.5	102	350	1/4" NPT or BSP	1/2" NPT or BSP
PC-3	260	63.5	108	385	1/2" NPT or BSP	—
PC-6	440	63.5	108	560	1/2" NPT or BSP	—
PC-8	585	63.5	108	710	1/2" NPT or BSP	3/4" NPT or BSP
PC-12	800	63.5	110	940	3/4" NPT or BSP	1" NPT or BSP

Model	PC-1	PC-2	PC-3	PC-6	PC-8	PC-12
Flow Rate	1GPM 226LPH	2GPM 450LPH	3GPM 680LPH	6GPM 1360LPH	8GPM 1810LPH	12GPM 2720LPH
Voltage /Frequency	110V or 230V , 50-60Hz					
Alarm	LED Alarm					
Reactor Chamber	304SS(316L Optional)					
Operating Pressure	10-100 Psi (69-689 Kpa)					
Lamp power	10W	14W	15W	21W	29W	40W
Quartz Sleeve	OD24.5mm					
Operating Temperature	2°C - 40°C (36 - 104°F)					

Optional: 100-240V/50-60Hz Ballast

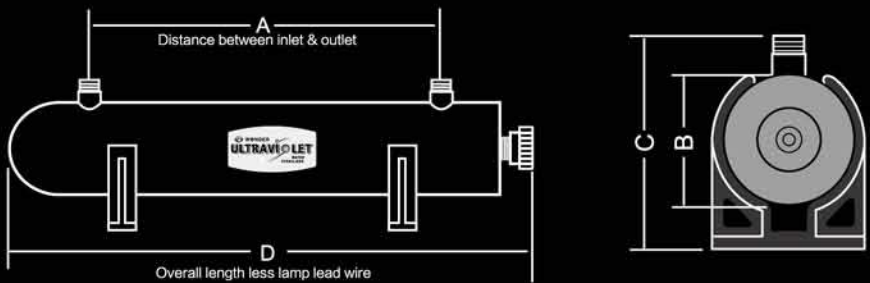
Series R



Model	A	B	C	D	Inlet&outlet size
P-50	168mm	50.8mm	90mm	265mm	1/4" NPT or BSP
CR-60	168mm	50.8mm	90mm	265mm	1/4" NPT or BSP
HR-60	168mm	50.8mm	90mm	265mm	1/4" NPT or BSP
UR-60	168mm	50.8mm	90mm	265mm	1/4" NPT or BSP



- Hospitals
- Hotels
- Humidification Systems
- Laboratories
- Residential drinking water
- Reverse Osmosis (50GPD)
- Schools



Male Threads



Inlet and Outlet Connectors



Model	P-50	CR-60	HR-60	CR-60
Flow Rate	1GPM/226LPH			
Voltage /Frequency	110V or 230V, 50-60Hz			
Alarm	LED Alarm			
Reactor Chamber	304SS			
Operating Pressure	10-100 Psi (69-689 Kpa)			
Lamp power	10W			
Quartz Sleeve	OD24.5mm			
Operating Temperature	2°C - 40°C (36 - 104°F)			

Optional: 100-240V/50-60Hz Ballast

Series C

CE Series

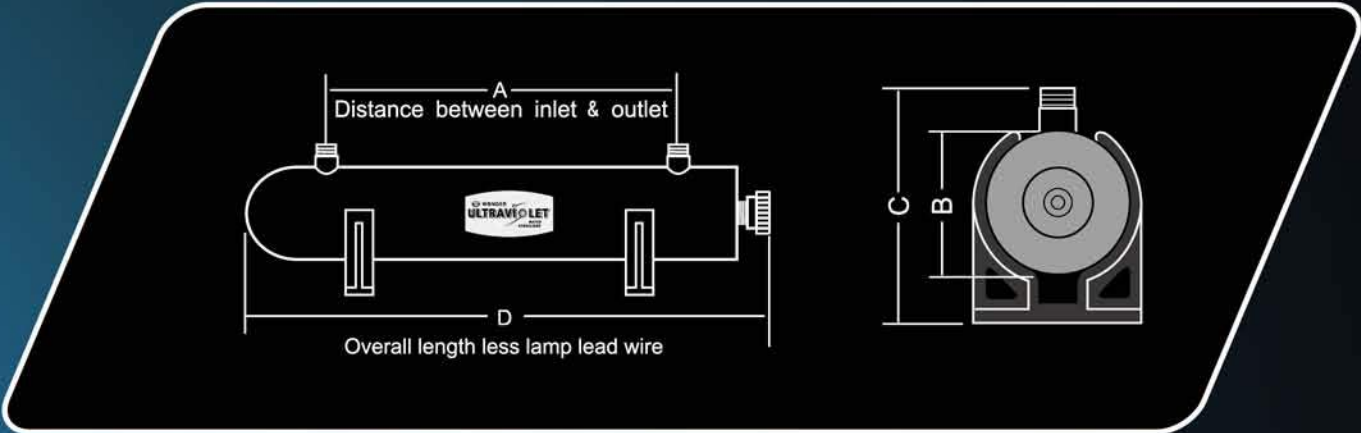
HC Series

HE Series

- Hospitals
- Hotels
- Humidification Systems
- Laboratories
- Residential drinking water
- Schools

Model		A	B	C	D	Inlet&outlet size
C-60	HC-60	225mm	63.5mm	104mm	330mm	¼" NPT or BSP
C-120	HC-120	240mm	63.5mm	104mm	345mm	¼" NPT or BSP
C-180	HC-180	255mm	63.5mm	108mm	365mm	½" NPT or BSP
C-360	HC-360	435mm	63.5mm	108mm	545mm	½" NPT or BSP
C-480	HC-480	585mm	63.5mm	108mm	695mm	½" NPT or BSP
C-720	HC-720	805mm	63.5mm	110mm	925mm	¾" NPT or BSP
C-800	HC-800	800mm	63.5mm	110mm	925mm	1" NPT or BSP

Model		A	B	C	D	Inlet&outlet size
CE-60	HE-60	225mm	63.5mm	104mm	330mm	¼" NPT or BSP
CE-120	HE-120	235mm	63.5mm	108mm	345mm	½" NPT or BSP
CE-180	HE-180	255mm	63.5mm	108mm	365mm	½" NPT or BSP
CE-360	HE-360	430mm	63.5mm	110mm	545mm	¾" NPT or BSP
CE-480	HE-480	575mm	63.5mm	110mm	695mm	¾" NPT or BSP
CE-720	HE-720	800mm	63.5mm	110mm	925mm	1" NPT or BSP
CE-800	HE-800	800mm	63.5mm	110mm	925mm	1" NPT or BSP



Male/Female Threads



Ferrule Clamps



C/HC Series

Model	C-60 HC-60	C-120 HC-120	C-180 HC-180	C-360 HC-360	C-480 HC-480	C-720 HC-720	C-800 HC-800
Flow Rate	1GPM 226LPH	2GPM 450LPH	3GPM 680LPH	6GPM 1360LPH	8GPM 1810LPH	12GPM 2720LPH	800GPH 3024LPH
Voltage /Frequency	110V or 230V , 50-60Hz						100 - 240V 50-60Hz
Alarm	LED Alarm						
Reactor Chamber	304SS(316L Optional)						
Operating Pressure	10-100 Psi (69-689 Kpa)						
Lamp power	10W	14W	15W	21W	29W	40W	65W
Quartz Sleeve	OD24.5mm						
Operating Temperature	2°C - 40°C (36 - 104°F)						

Optional: 100-240V/50-60Hz Ballast

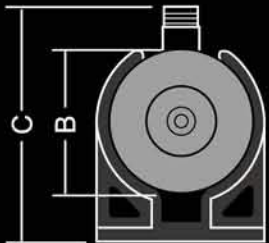
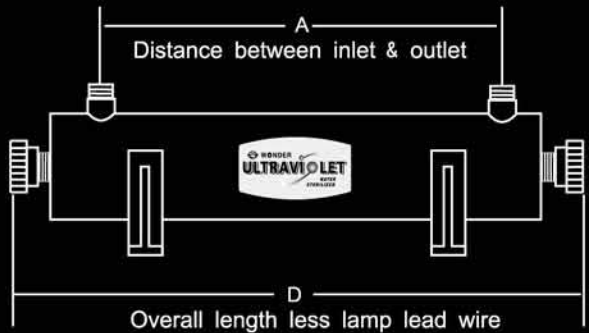
CE/HE Series

Model	CE-60 HE-60	CE-120 HE-120	CE-180 HE-180	CE-360 HE-360	CE-480 HE-480	CE-720 HE-720	CE-800 HE-800
Flow Rate	1GPM 226LPH	2GPM 450LPH	3GPM 680LPH	6GPM 1360LPH	8GPM 1810LPH	12GPM 2720LPH	800GPH 3024LPH
Voltage /Frequency	110V or 230V , 50-60Hz						100 - 240V 50-60Hz
Alarm	LED Alarm						
Reactor Chamber	304SS(316L Optional)						
Operating Pressure	10-100 Psi (69-689 Kpa)						
Lamp power	10W	14W	15W	21W	29W	40W	65W
Quartz Sleeve	OD24.5mm						
Operating Temperature	2°C - 40°C (36 - 104°F)						

Optional: 100-240V/50-60Hz Ballast

Series W

Series E



- Hospitals
- Hotels
- Humidification Systems
- Laboratories
- Residential drinking water
- Schools

Model		A	B	C	D	Inlet&outlet size	Optional
W-60	E-60	225mm	63.5mm	102mm	335mm	1/4" NPT or BSP	—
W-120	E-120	240mm	63.5mm	102mm	350mm	1/4" NPT or BSP	1/2" NPT or BSP
W-180	E-180	255mm	63.5mm	108mm	370mm	1/2" NPT or BSP	—
W-360	E-360	435mm	63.5mm	108mm	550mm	1/2" NPT or BSP	—
W-480	E-480	585mm	63.5mm	108mm	700mm	1/2" NPT or BSP	3/4" NPT or BSP
W-720	E-720	800mm	63.5mm	110mm	930mm	3/4" NPT or BSP	1" NPT or BSP
W-800	E-800	800mm	63.5mm	110mm	930mm	1" NPT or BSP	—

W / E Series

Model	W-60	W-120	W-180	W-360	W-480	W-720	W-800
	E-60	E-120	E-180	E-360	E-480	E-720	E-800
Flow Rate	1GPM 226LPH	2GPM 450LPH	3GPM 680LPH	6GPM 1360LPH	8GPM 1810LPH	12GPM 2720LPH	800GPH 3024LPH
Voltage /Frequency	110V or 230V , 50-60Hz						100 - 240V 50-60Hz
Alarm	LED Alarm						
Reactor Chamber	304SS(316L Optional)						
Operating Pressure	10-100 Psi (69-689 Kpa)						
Lamp power	10W	14W	15W	21W	29W	40W	65W
Quartz Sleeve	OD24.5mm						
Operating Temperature	2°C - 40°C (36 - 104°F)						

Optional: 100-240V/50-60Hz Ballast



Male/Female Threads



Ferrule Clamps

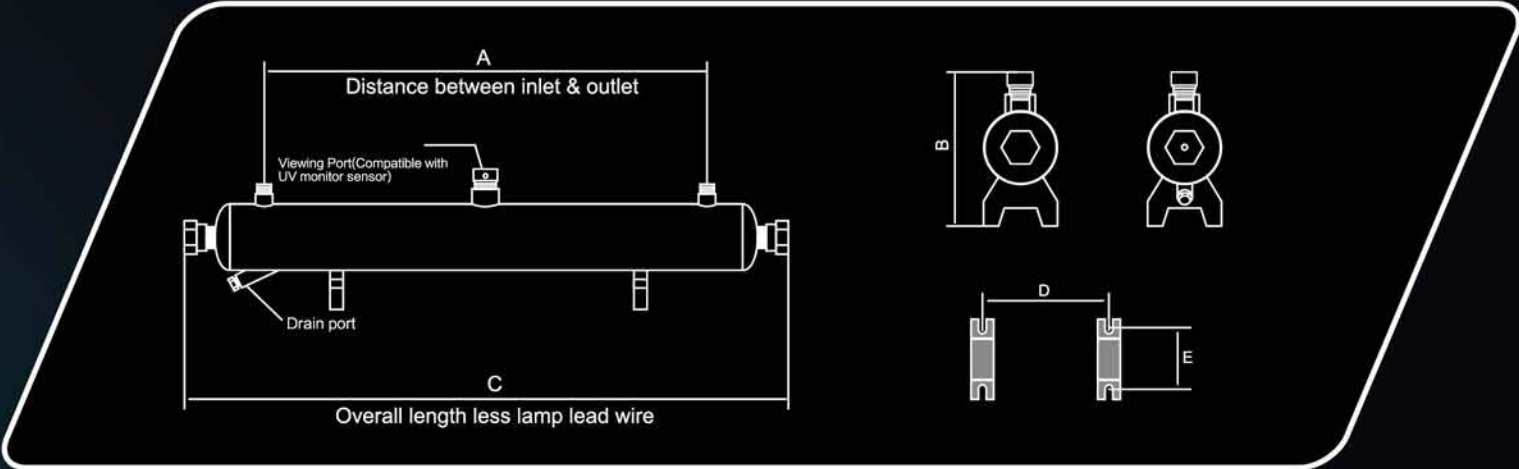
Series F



Viewing Port



Drain port



Size unit:mm

Model	A	B	C	D	E	Inlet&outlet size	UV Lamp No.
F-2	220	194	423	140	108	1/2" BSP or NPT	T514
F-3	220	194	423	140	108	1/2" BSP or NPT	T515
F-6	358	207	553	250	108	3/4" BSP or NPT	T521
F-8	500	207	703	350	108	3/4" BSP or NPT	T529
F-12	690	230	933	450	125	1" BSP or NPT	T540
F-15	690	230	933	450	125	1" BSP or NPT	T565
F-20	690	273	934	500	160	1 1/2" BSP or NPT	T565
F-24	690	273	934	500	160	1 1/2" BSP or NPT	T680
F-35	983	273	1229	600	160	2" BSP or NPT	T6100
F-45	983	273	1229	600	160	2" BSP or NPT	T5120



- Aquaculture & Hydroponic
- Beer Industry
- Bottled Water
- Circulating water recycling
- Cooling Towers
- Drinking Water Machines
- Cosmetics
- Electronic Industry
- Fish Hatcheries
- Food Process Water
- High Purity Water
- Hospitals
- Humidification Systems
- Microelectronic
- Mineral Water
- Pharmaceutical Industry
- Semiconductor

Model	F-2	F-3	F-6	F-8	F-12	F-15	F-20	F-24	F-35	F-45
Flow Rate	2GPM 450LPH	3GPM 680LPH	6GPM 1360LPH	8GPM 1810LPH	12GPM 2720LPH	15GPM 3400LPH	20GPM 4536LPH	24GPM 5443LPH	35GPM 7938LPH	45GPM 10200LPH
Voltage /Frequency	100-240V / 50-60Hz									
Alarm	LED Alarm								LED Dry Contact	
Reactor Chamber	304SS(316L Optional)									
Operating Pressure	10-100 Psi (69-689 Kpa)									
Lamp power	14W	15W	21W	29W	40W	65W	65W	80W	100W	120W
Quartz Sleeve	OD24.5mm							OD30mm		
Operating Temperature	2°C - 40°C (36 - 104°F)									
UV Dosage	40mj/cm ²									

FC Series



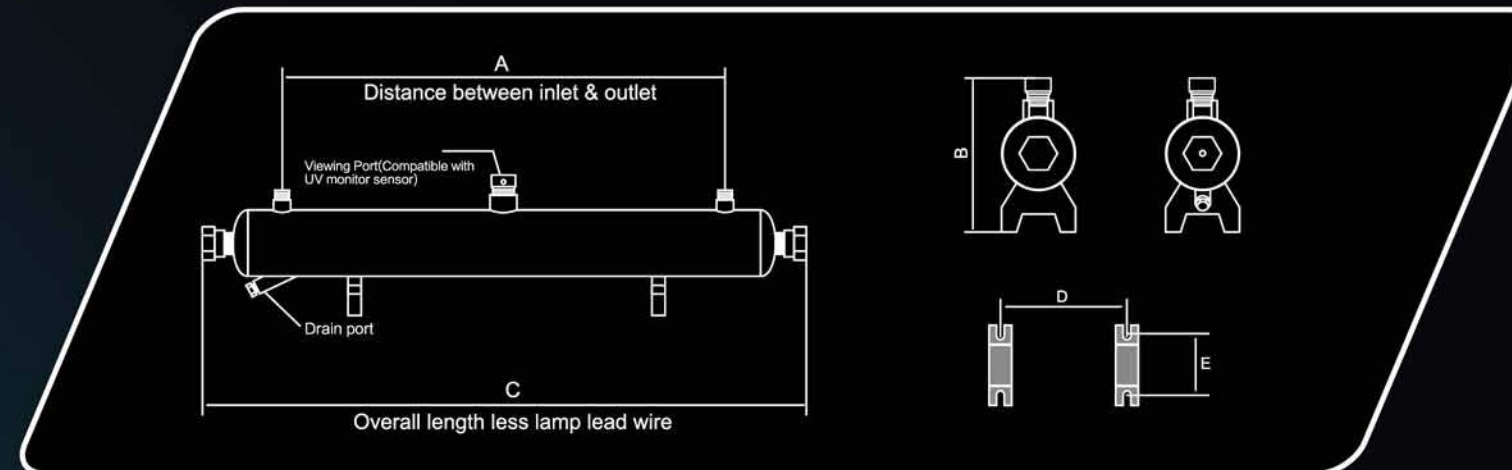
Viewing Port



Elapsed Time Meter



Drain port



Size unit:mm

Model	A	B	C	D	E	Inlet&outlet size	UV Lamp No.
FC-2	220	194	423	140	108	1/2" BSP or NPT	T514
FC-3	220	194	423	140	108	1/2" BSP or NPT	T515
FC-6	358	207	553	250	108	3/4" BSP or NPT	T521
FC-8	500	207	703	350	108	3/4" BSP or NPT	T529
FC-12	690	230	933	450	125	1" BSP or NPT	T540
FC-15	690	230	933	450	125	1" BSP or NPT	T565
FC-20	690	273	934	500	160	1 1/2" BSP or NPT	T565
FC-24	690	273	934	500	160	1 1/2" BSP or NPT	T680
FC-35	983	273	1229	600	160	2" BSP or NPT	T6100
FC-45	983	273	1229	600	160	2" BSP or NPT	T5120

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- Hospitals
- Humidification Systems
- Microelectronic
- Mineral Water
- Pharmaceutical Industry
- Semiconductor



Model	FC-2	FC-3	FC-6	FC-8	FC-12	FC-15	FC-20	FC-24	FC-35	FC-45
Flow Rate	2GPM 450LPH	3GPM 680LPH	6GPM 1360LPH	8GPM 1810LPH	12GPM 2720LPH	15GPM 3400LPH	20GPM 4536LPH	24GPM 5443LPH	35GPM 7938LPH	45GPM 10200LPH
Voltage /Frequency	100-240V / 50-60Hz									
Alarm	LED Alarm								LED Dry Contact	
Reactor Chamber	304SS(316L Optional)									
Operating Pressure	10-100 Psi (69-689 Kpa)									
Lamp power	14W	15W	21W	29W	40W	65W	65W	80W	100W	120W
Quartz Sleeve	OD24.5mm							OD30mm		
Operating Temperature	2°C - 40°C (36 - 104°F)									
UV Dosage	40mj/cm ²									

FS Series



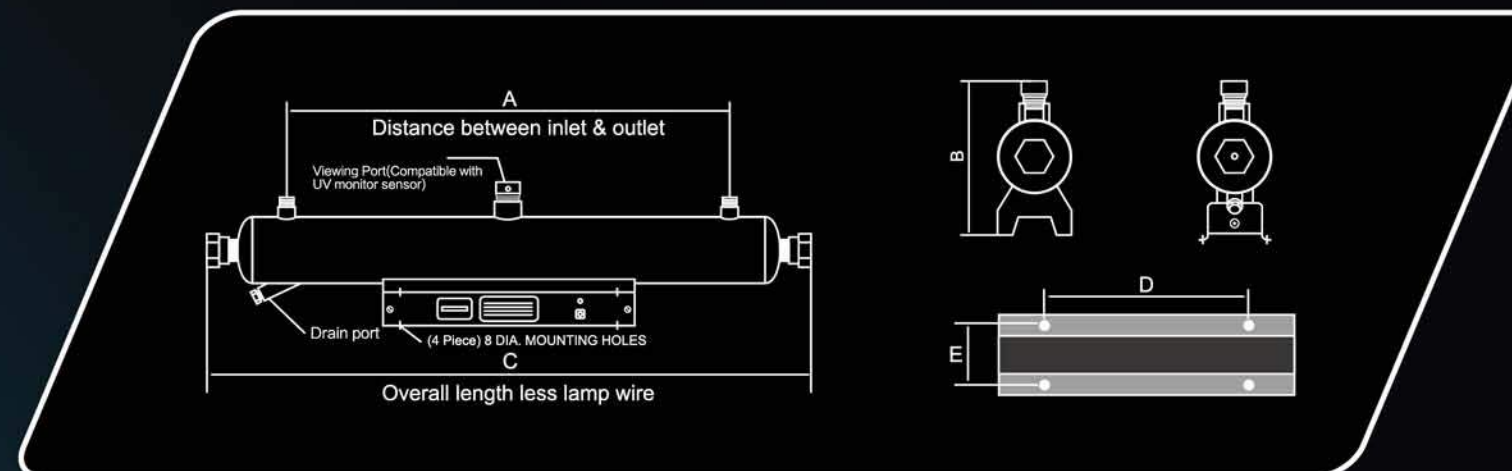
Viewing Port



Elapsed Time Meter



Drain port



Size unit:mm

Model	A	B	C	D	E	Inlet&outlet size	UV Lamp No.
FS-2	220	209	423	140	106	1/2" BSP or NPT	T514
FS-3	220	209	423	140	106	1/2" BSP or NPT	T515
FS-6	358	238	553	265	106	3/4" BSP or NPT	T521
FS-8	500	226	703	340	110	3/4" BSP or NPT	T529
FS-12	690	255	933	450	110	1" BSP or NPT	T540
FS-15	690	255	933	450	110	1" BSP or NPT	T565
FS-20	690	288	934	400	110	1 1/2" BSP or NPT	T565
FS-24	690	288	934	400	110	1 1/2" BSP or NPT	T680
FS-35	983	288	1229	470	110	2" BSP or NPT	T6100
FS-45	983	288	1229	470	110	2" BSP or NPT	T5120



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- Humidification Systems
- Microelectronic
- Mineral Water
- Pharmaceutical Industry
- Semiconductor

Model	FS-2	FS-3	FS-6	FS-8	FS-12	FS-15	FS-20	FS-24	FS-35	FS-45
Flow Rate	2GPM 450LPH	3GPM 680LPH	6GPM 1360LPH	8GPM 1810LPH	12GPM 2720LPH	15GPM 3400LPH	20GPM 4536LPH	24GPM 5443LPH	35GPM 7938LPH	45GPM 10200LPH
Voltage /Frequency	100-240V / 50-60Hz									
Alarm	LED Alarm								LED Dry Contact	
Reactor Chamber	304SS(316L Optional)									
Operating Pressure	10-100 Psi (69-689 Kpa)									
Lamp power	14W	15W	21W	29W	40W	65W	65W	80W	100W	120W
Quartz Sleeve	OD24.5mm							OD30mm		
Operating Temperature	2°C - 40°C (36 - 104°F)									
UV Dosage	40mj/cm²									

ET Series



Viewing Port



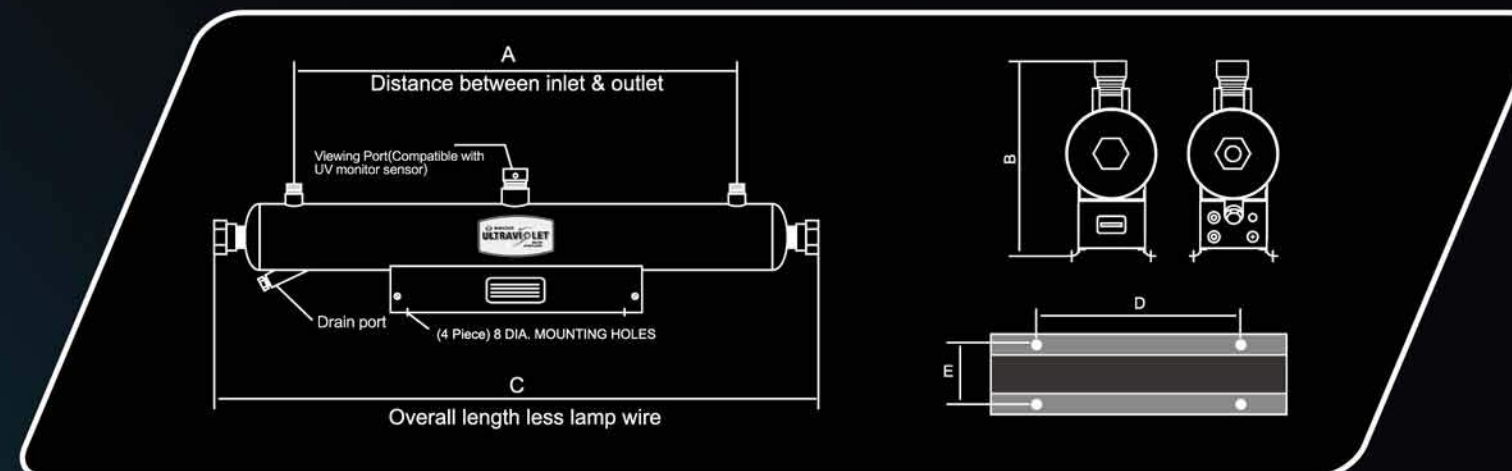
Base Box Controller



Drain port



Elapsed Time Meter



Size unit:mm

Model	A	B	C	D	E	Inlet&outlet size	UV Lamp No.
ET-2 ES-2	230	207	423	150	95	1/2" BSP or NPT	T514
ET-3 ES-3	230	207	423	150	95	1/2" BSP or NPT	T515
ET-6 ES-6	350	208	553	190	100	3/4" BSP or NPT	T521
ET-8 ES-8	490	222	703	230	102	3/4" BSP or NPT	T529
ET-12 ES-12	715	226	933	330	102	1" BSP or NPT	T540
ET-15 ES-15	715	226	933	330	102	1" BSP or NPT	T565
ET-20 ES-20	670	281	933	330	120	1 1/2" BSP or NPT	T565
ET-24 ES-24	670	281	933	330	120	1 1/2" BSP or NPT	T585
ET-35 ES-35	940	288	1228	597	120	2" BSP or NPT	T5105
ET-45 ES-45	940	288	1228	597	120	2" BSP or NPT	T5120



Model	ET-2 ES-2	ET-3 ES-3	ET-6 ES-6	ET-8 ES-8	ET-12 ES-12	ET-15 ES-15	ET-20 ES-20	ET-24 ES-24	ET-35 ES-35	ET-45 ES-45
Flow Rate	2GPM 450LPH	3GPM 680LPH	6GPM 1360LPH	8GPM 1810LPH	12GPM 2720LPH	15GPM 3400LPH	20GPM 4536LPH	24GPM 5443LPH	35GPM 7938LPH	45GPM 10200LPH
Voltage /Frequency	100-240V / 50-60Hz									
Alarm	LED Alarm								LED Dry Contact	
Reactor Chamber	304SS(316L Optional)									
Operating Pressure	10-100 Psi (69-689 Kpa)									
Lamp power	14W	15W	21W	29W	40W	65W	65W	85W	105W	120W
Quartz Sleeve	OD24.5mm									
Operating Temperature	2°C - 40°C (36 - 104°F)									
UV Dosage	30mj/cm²									

- Aquaculture & Hydroponic
- Beer Industry
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- Drinking Water Machines
- Cosmetics
- Electronic Industry

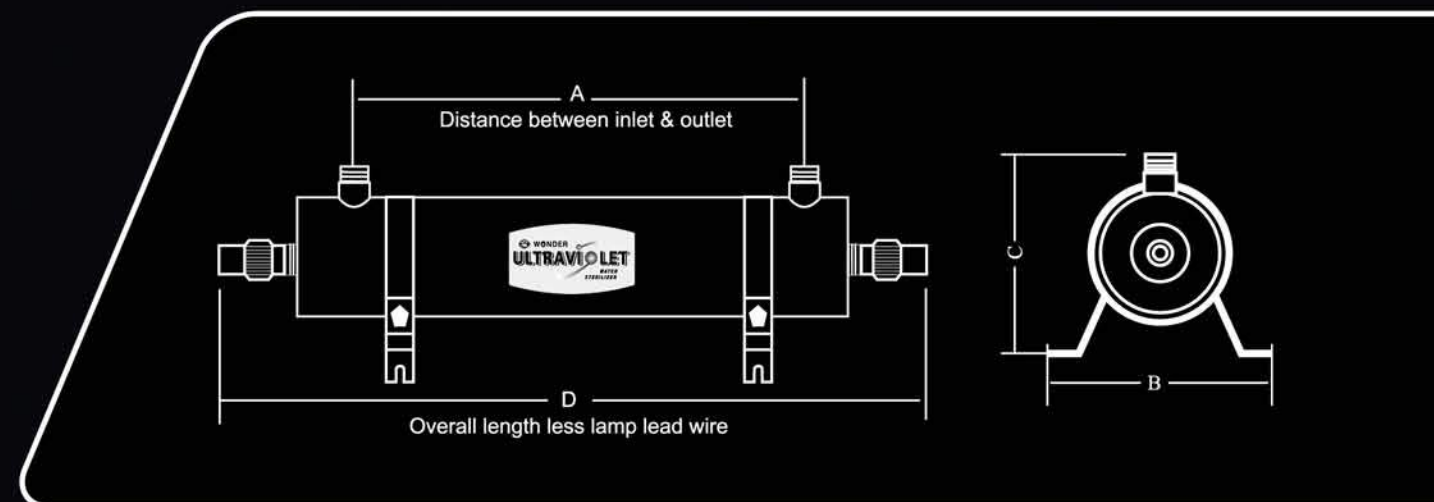
- Fish Hatcheries
- Food Process Water
- High Purity Water
- Hospitals
- Humidification Systems
- Microelectronic
- Mineral Water
- Pharmaceutical Industry
- Semiconductor

EB Series

- Aquaculture & Hydroponic
- Beer Industry
- Bottled Water
- Circulating water recycling
- Cooling Towers
- Drinking Water Machines
- Cosmetics
- Electronic Industry
- Fish Hatcheries
- Food Process Water
- High Purity Water
- Hospitals
- Humidification Systems
- Microelectronic
- Mineral Water
- Pharmaceutical Industry
- Semiconductor



Series UB



Plastic Clips

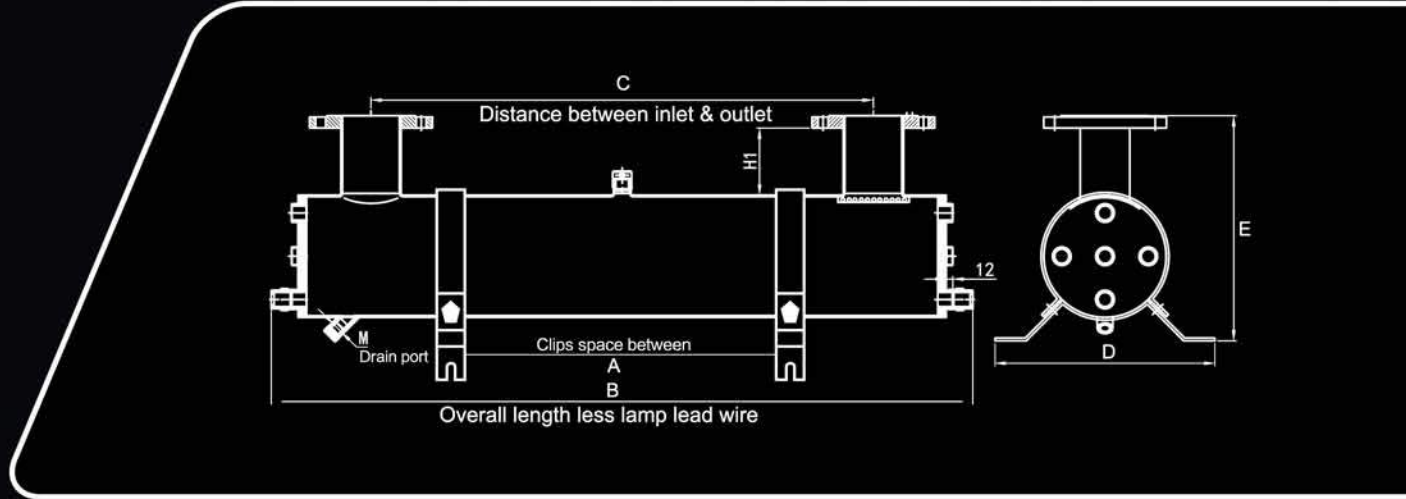


Stainless Steel Clips

Series EB



EB Series



Model		A	B	C	D	E	Inlet&outlet size
EB-12	UB-12	600mm	962mm	800mm	190mm	162mm	1" NPT or BSP
EB-15	UB-15	600mm	962mm	800mm	190mm	162mm	1" NPT or BSP
EB-20	UB-20	600mm	962mm	785mm	190mm	169mm	1.5" NPT or BSP
EB-24	UB-24	600mm	962mm	785mm	190mm	169mm	1.5" NPT or BSP
EB-35	UB-35	600mm	962mm	760mm	190mm	169mm	2" NPT or BSP
EB-45	UB-45	600mm	962mm	760mm	190mm	169mm	2" NPT or BSP
EB-120	UB-120	600mm	962mm	735mm	270mm	235mm	2" / 2.5" NPT or BSP
EB-150	UB-150	600mm	962mm	735mm	270mm	235mm	2" / 2.5" NPT or BSP
EB-200	---	750mm	1257mm	930mm	270mm	314mm	2" Flange
EB-250	---	750mm	1257mm	930mm	270mm	314mm	2.5" Flange
---	UB-300	700mm	1257mm	900mm	394mm	381mm	3" Flange
EB-350	---	700mm	1257mm	900mm	394mm	381mm	3" Flange
---	UB-450	600mm	1257mm	850mm	394mm	403mm	4" Flange
EB-500	---	600mm	1257mm	850mm	394mm	403mm	4" Flange
---	UB-600	600mm	1257mm	850mm	394mm	403mm	4" Flange

Model	EB-12	EB-15	EB-20	EB-24	EB-35	EB-45	EB-120	EB-150	EB-200	EB-250	/	EB-350	/	EB-500	/
	UB-12	UB-15	UB-20	UB-24	UB-35	UB-45	UB-120	UB-150	/	/	UB-300	/	UB-450	/	UB-600
Flow Rate	12GPM 2720LPH	15GPM 3400LPH	20GPM 4536LPH	24GPM 5443LPH	35GPM 7938LPH	45GPM 10200LPH	12000LPH	15000LPH	20000LPH	25000LPH	30000LPH	35000LPH	45000LPH	50000LPH	60000LPH
Voltage /Frequency	100-240V / 50-60Hz														
Alarm	LED Alarm								LED Dry Contact						
Reactor Chamber	304SS(316L Optional)														
Operating Pressure	10-100 Psi (69-689 Kpa)														
Lamp power	40W	65W	65W	85W	2 x 65W	2 x 85W	3 x 65W	3 x 85W	2 x 105W	3 x 105W	3 x 120W	4 x 105W	4 x 120W	5 x 105W	5 x 120W
Quartz Sleeve	OD24.5mm														
Operating Temperature	2°C - 40°C (36 - 104°F)														
UV Dosage	30mj/cm²														

Series GFD

Series GD

- Ballasts: UL, CUL, TUV-CE listed (LED alarm/Dry contact, overheating protection, instant start)
- RoHS Compliant
- Reactor Chamber Material: 304SS (Standard)
- Voltage: 100V-240V / 50 - 60Hz (International Application)
- Lamp Status Indicator
- Low Pressure Single-Ended (SE) Four Pin lamps
- Elapsed Time Meter
- Operating Temperature: 2-40°C (36-104°F)
- Maximum Operating Pressure: 150 Psi
- UV Dosage: >30,000Microwatt Seconds/cm2

Options

- Reactor Chamber Material: 316L Stainless Steel
- UV Monitor (Sensors)



Optional

- 45° Flange

- Aquaculture & Hydroponic
- Beer Industry
- Bottled Water
- Circulating water recycling
- Cooling Towers
- Drinking Water Machines
- Cosmetics
- Electronic Industry
- Fish Hatcheries
- Food Process Water
- High Purity Water
- Hospitals
- Humidification Systems
- Microelectronic
- Mineral Water
- Pharmaceutical Industry
- Semiconductor



Product Specifications

Series GFD											
Specification	Flow Rate		Inlet& Outlet Size	UV Lamp No.	Length of Quartz Sleeve	Reactor Chamber Size(mm)					
Model	GPM	LPH				L1	L2	L3	W1	W2	H
GFD-2362	44	10,000	2"Flange	T585	910mm	630	450	1066	170	200	369
GFD-4362	110	25,000	2.5"Flange	T585	910mm	620	450	1066	205	234	429

Specification Model	Flow Rate		Inlet & Outlet Size	UV Lamp No.	Length of Quartz Sleeve	Reactor Chamber Size(mm)					
	GPM	LPH				L1	L2	L3	W1	W2	H
GFD-2482	66	15,000	2"Flange	T5120	1205mm	930	700	1361	170	200	369
GFD-3482	88	20,000	2"Flange	T5120	1205mm	930	700	1361	170	200	369
GFD-3482i	110	25,000	2.5"Flange	T5120	1205mm	900	700	1361	205	234	429
GFD-4482	154	35,000	3"Flange	T5120	1205mm	900	700	1361	205	234	449
GFD-5482	198	45,000	4"Flange	T5120	1205mm	800	700	1361	205	234	451
GFD-6482	265	60,000	4"Flange	T5120	1205mm	800	700	1355	260	290	540
GFD-7482	309	70,000	5"Flange	T5120	1205mm	800	700	1355	260	290	570
GFD-8482	353	80,000	5"Flange	T5120	1205mm	800	700	1355	260	290	570

Specification Model	Flow Rate		Inlet & Outlet Size	UV Lamp No.	Length of Quartz Sleeve	Reactor Chamber Size(mm)					
	GPM	LPH				L1	L2	L3	W1	W2	H
GFD-2642	88	20,000	2"Flange	T5155	1625mm	1320	1000	1776	170	200	369
GFD-3642	132	30,000	2"Flange	T5155	1625mm	1340	1000	1776	205	234	429
GFD-4642	220	50,000	4"Flange	T5155	1625mm	1160	1000	1770	260	290	540
GFD-5642	287	65,000	4"Flange	T5155	1625mm	1160	1000	1770	260	290	540
GFD-6642	353	80,000	5"Flange	T5155	1625mm	1160	1000	1770	260	290	570
GFD-7642	397	90,000	5"Flange	T5155	1625mm	1160	1000	1770	260	290	570
GFD-8642	441	100,000	5"Flange	T5155	1625mm	1160	1000	1770	260	290	570
GFD-6642i	375	85,000	5"Flange	T5155	1625mm	1160	1100	1832	280	320	620
GFD-7642i	419	95,000	5"Flange	T5155	1625mm	1160	1100	1832	280	320	620
GFD-8642i	463	105,000	5"Flange	T5155	1625mm	1160	1100	1832	280	320	620
GFD-9642	529	120,000	6"Flange	T5155	1625mm	1160	1100	1832	280	320	622
GFD-10642	573	130,000	6"Flange	T5155	1625mm	1160	1100	1832	280	320	622
GFD-11642	617	140,000	6"Flange	T5155	1625mm	1160	1100	1832	280	320	622
GFD-12642	683	155,000	8"Flange	T5155	1625mm	1160	1100	1832	280	320	652
GFD-11642i	728	165,000	8"Flange	T5155	1625mm	1160	1100	1832	370	400	764
GFD-12642i	794	180,000	8"Flange	T5155	1625mm	1160	1100	1832	370	400	764

Specification Model	Flow Rate		Inlet & Outlet Size	UV Lamp No.	Length of Quartz Sleeve	Reactor Chamber Size(mm)					
	GPM	LPH				L1	L2	L3	W1	W2	H
GFD-2642A	220	50,000	4"Flange	T6240	1625mm	1160	1000	1770	260	290	540
GFD-3642A	331	75,000	5"Flange	T6240	1625mm	1160	1000	1770	260	290	570
GFD-4642A	441	100,000	5"Flange	T6240	1625mm	1160	1100	1832	280	320	620
GFD-5642A	573	130,000	6"Flange	T6240	1625mm	1160	1100	1832	280	320	622
GFD-6642A	705	160,000	6"-8"Flange	T6240	1625mm	1160	1100	1832	280	320	652
GFD-7642A	816	185,000	8"Flange	T6240	1625mm	1160	1100	1832	280	320	652
GFD-7642Ai	882	200,000	8"Flange	T6240	1625mm	1160	1100	1832	370	400	764
GFD-8642A	1014	230,000	8"Flange	T6240	1625mm	1160	1100	1832	370	400	764
GFD-9642A	1146	260,000	8"Flange	T6240	1625mm	1160	1100	1832	370	400	764
GFD-10642A	1367	310,000	8"-10"Flange	T6240	1625mm	1160	1100	1842	434	460	854
GFD-11642A	1477	335,000	8"-10"Flange	T6240	1625mm	1160	1100	1842	434	460	854
GFD-12642A	1609	365,000	8"-10"Flange	T6240	1625mm	1160	1100	1842	434	460	854
GFD-13642A	1764	400,000	8"-10"Flange	T6240	1625mm	1160	1100	1842	434	460	854

Series GD											
Specification	Flow Rate		Inlet& Outlet Size	UV Lamp No.	Length of Quartz Sleeve	Reactor Chamber Size(mm)					
Model	GPM	LPH				L1	L2	L3	W1	W2	H
GD-2362	44	10,000	2"Flange	T585	910mm	630	450	1088	170	200	369
GD-4362	110	25,000	2.5"Flange	T585	910mm	620	450	1088	205	234	429

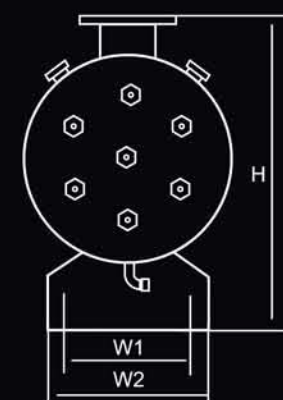
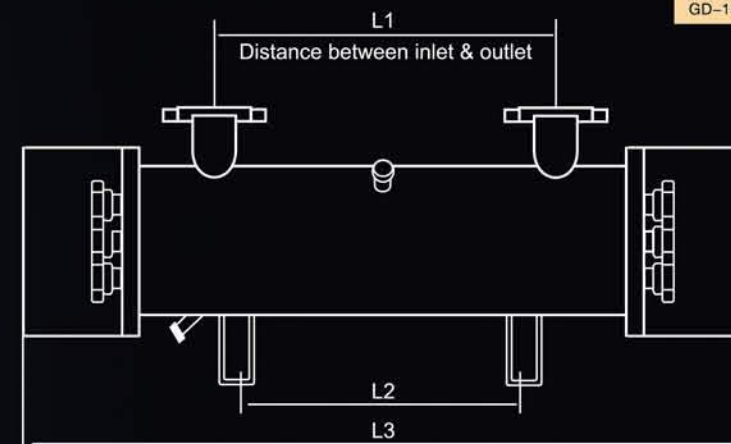
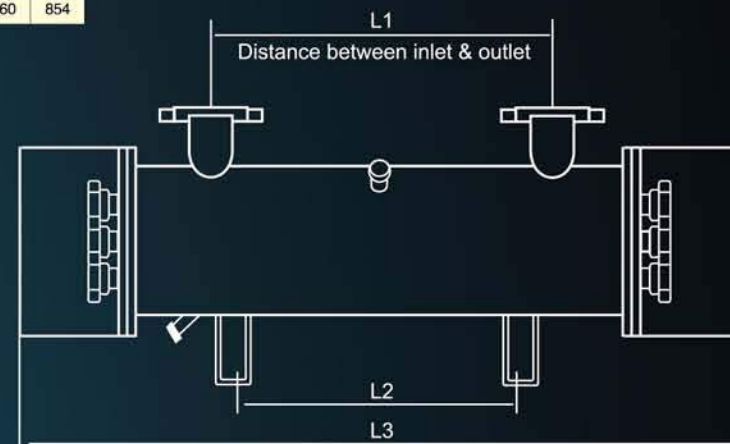
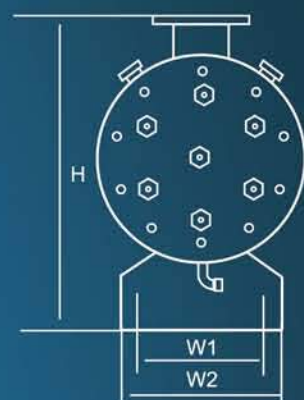
Specification Model	Flow Rate		Inlet & Outlet Size	UV Lamp No.	Length of Quartz Sleeve	Reactor Chamber Size(mm)					
	GPM	LPH				L1	L2	L3	W1	W2	H
GD-2482	66	15,000	2"Flange	T5120	1205mm	930	700	1383	170	200	369
GD-3482	88	20,000	2"Flange	T5120	1205mm	930	700	1383	170	200	369
GD-3482i	110	25,000	2.5"Flange	T5120	1205mm	900	700	1383	205	234	429
GD-4482	154	35,000	3"Flange	T5120	1205mm	900	700	1383	205	234	449
GD-5482	198	45,000	4"Flange	T5120	1205mm	900	700	1383	205	234	451
GD-6482	265	60,000	4"Flange	T5120	1205mm	880	700	1383	260	290	540
GD-7482	309	70,000	5"Flange	T5120	1205mm	850	700	1383	260	290	570
GD-8482	353	80,000	5"Flange	T5120	1205mm	850	700	1383	260	290	570

Specification Model	Flow Rate		Inlet & Outlet Size	UV Lamp No.	Length of Quartz Sleeve	Reactor Chamber Size(mm)					
	GPM	LPH				L1	L2	L3	W1	W2	H
GD-2642	88	20,000	2"Flange	T5155	1625mm	1320	1000	1798	170	200	369
GD-3642	132	30,000	2"Flange	T5155	1625mm	1340	1000	1798	205	234	429
GD-4642	220	50,000	4"Flange	T5155	1625mm	1160	1000	1798	260	290	540
GD-5642	287	65,000	4"Flange	T5155	1625mm	1160	1000	1798	260	290	540
GD-6642	353	80,000	5"Flange	T5155	1625mm	1160	1000	1798	260	290	570
GD-7642	397	90,000	5"Flange	T5155	1625mm	1160	1000	1798	260	290	570
GD-8642	441	100,000	5"Flange	T5155	1625mm	1160	1000	1798	260	290	570
GD-6642i	375	85,000	5"Flange	T5155	1625mm	1160	1100	1864	280	320	620
GD-7642i	419	95,000	5"Flange	T5155	1625mm	1160	1100	1864	280	320	620
GD-8642i	463	105,000	5"Flange	T5155	1625mm	1160	1100	1864	280	320	620
GD-9642	529	120,000	6"Flange	T5155	1625mm	1160	1100	1864	280	320	622
GD-10642	573	130,000	6"Flange	T5155	1625mm	1160	1100	1864	280	320	622
GD-11642	617	140,000	6"Flange	T5155	1625mm	1160	1100	1864	280	320	622
GD-12642	683	155,000	8"Flange	T5155	1625mm	1160	1100	1864	280	320	652
GD-11642i	728	165,000	8"Flange	T5155	1625mm	1160	1100	1864	370	400	764
GD-12642i	794	180,000	8"Flange	T5155	1625mm	1160	1100	1864	370	400	764

Specification Model	Flow Rate		Inlet & Outlet Size	UV Lamp No.	Length of Quartz Sleeve	Reactor Chamber Size(mm)					
	GPM	LPH				L1	L2	L3	W1	W2	H
GD-2642A	220	50000	4"Flange	T6240	1625mm	1160	1000	1798	260	290	540
GD-3642A	331	75000	5"Flange	T6240	1625mm	1160	1000	1798	260	290	570
GD-4642A	441	100000	5"Flange	T6240	1625mm	1160	1100	1864	280	320	620
GD-5642A	573	130000	6"Flange	T6240	1625mm	1160	1100	1864	280	320	622
GD-6642A	705	160000	6"-8"Flange	T6240	1625mm	1160	1100	1864	280	320	652
GD-7642A	816	185000	8"Flange	T6240	1625mm	1160	1100	1864	280	320	652
GD-7642Ai	882	200000	8"Flange	T6240	1625mm	1160	1100	1864	370	400	764
GD-8642A	1014	230000	8"Flange	T6240	1625mm	1160	1100	1864	370	400	764
GD-9642A	1146	260000	8"Flange	T6240	1625mm	1160	1100	1864	370	400	764
GD-10642A	1367	310000	8"-10"Flange	T6240	1625mm	1160	1100	1874	434	460	854
GD-11642A	1477	335000	8"-10"Flange	T6240	1625mm	1160	1100	1874	434	460	854
GD-12642A	1609	365000	8"-10"Flange	T6240	1625mm	1160	1100	1874	434	460	854
GD-13642A	1764	400000	8"-10"Flange	T6240	1625mm	1160	1100	1874	434	460	854

Series GFD

Series GD



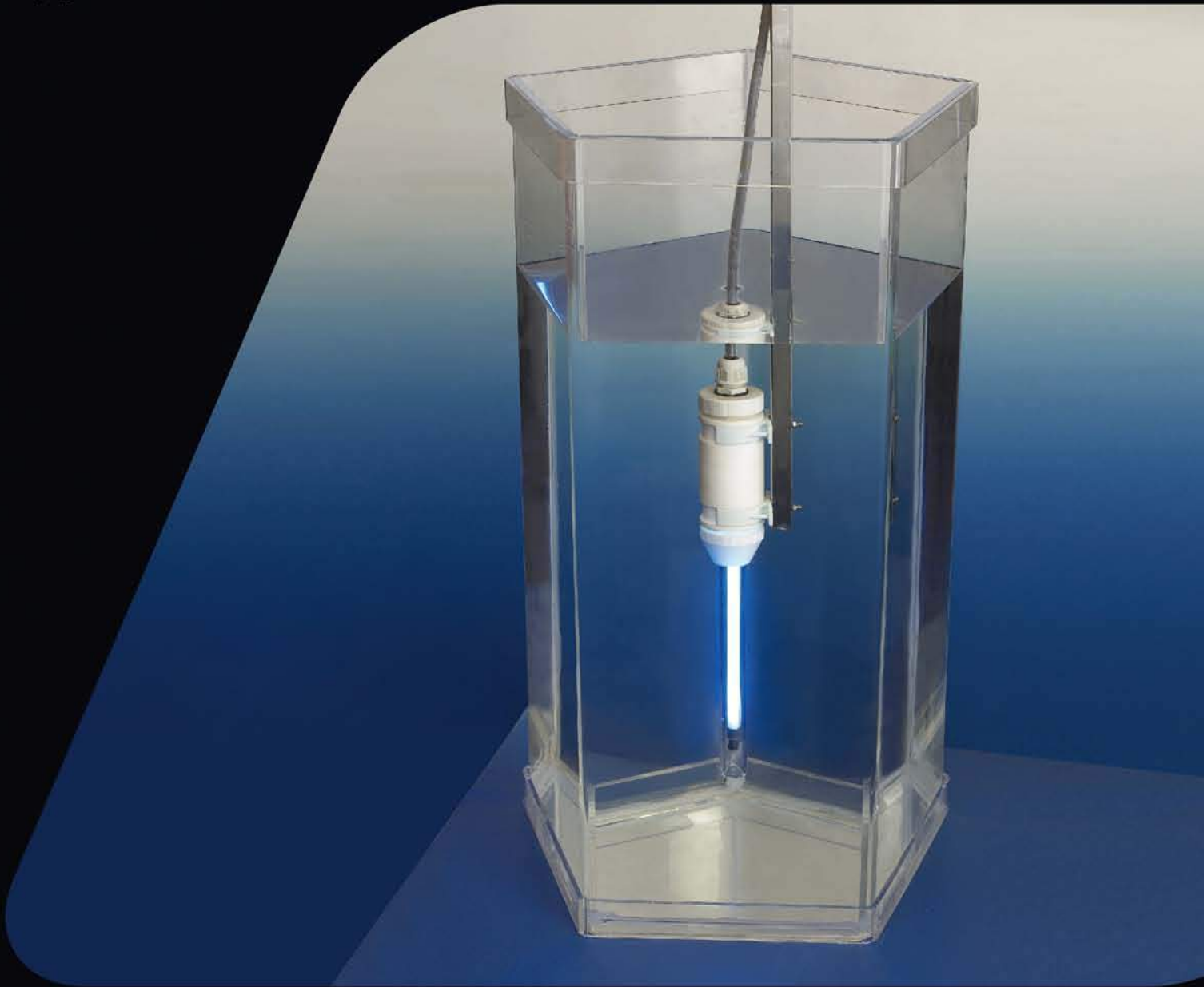
Series GWT

Water-Tank UV sterilizer



Series GWT is a submersible UV water sterilizer designed by Wonder-Light. It employs 254nm UV disinfection mechanism. Compact structure is specially designed for water tank disinfection. It can be easily installed on the inner side of water tank or floats on water. Number of lamps applied depends on the volume of water tank.

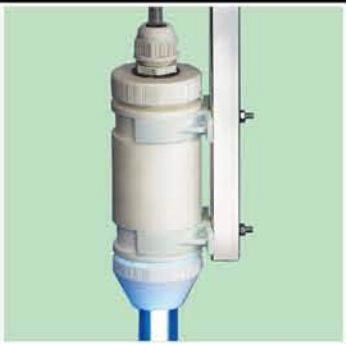
Typical Installation



Series GWT

Model	Length of Quartz Sleeve	Voltage/Frequency	Power line length and material
GWT-10	400mm	110V or 230V/ 50-60Hz	1.8M / Teflon
GWT-15	530mm		1.8M / Teflon
GWT-21	680mm	100-240V 50-60Hz	2.5M / Teflon
GWT-29	750mm		2.5M / Teflon
GWT-40	1000mm		2.5M / Teflon
GWT-65	1000mm		5M / Teflon
GWT-85	1000mm		5M / Teflon
GWT-105	1300mm		5M / Teflon
GWT-120	1300mm		5M / Teflon
GWT-150	1650mm		5M / Teflon

Recommend using stainless mounting bar



Series T

TOC (Total Oxidizable Carbon)
TOC Reduction



Model	T-60	T-120	T-180	T-360	T-480	T-720	T-800
Flow Rate	1GPM 226LPH	2GPM 450LPH	3GPM 680LPH	6GPM 1360LPH	8GPM 1810LPH	12GPM 2720LPH	800GPH 3024LPH
Voltage /Frequency	110V or 230V , 50-60Hz						100 - 240V 50-60Hz
Alarm	LED Alarm						
Reactor Chamber	304SS(316L Optional)						
Operating Pressure	10-100 Psi (69-689 Kpa)						
Lamp power	10W	14W	15W	21W	29W	40W	65W
Length of Quartz Sleeve	OD24.5mm						
Operating Temperature	2°C - 40°C (32 - 122)°F						

Optional: 100-240V/50-60Hz Ballast



In ultrapure water systems and some laboratory application, UV systems are used for the effective reduction of organics, commonly referred to as TOC (Total Oxidizable Carbon) reduction. The 185 nm wavelength for TOC reduction is shorter and consequently with more power than the 254nm wavelength. The working mechanism of low pressure 185nm UV lamp system is the direct photolysis to water. This process creates powerful hydroxyl radicals (OH-) which break various chemical bonds of organics, following by a chain reaction that most of organics is oxidized into CO₂ and H₂O.



SD
Series



Syrup Disinfection

Syrup is widely used in beverage and food process industry, but it is very easy for bacteria to breed in syrup. Since syrup is opaque, it is very difficult to be disinfected perfectly. The 254nm wavelength UV is a very good way for sterilizing liquid syrup. Normally, the reactor chamber of UV disinfection system is vertically installed.



UV Sterilizer Spare Parts



365days Countdown Timer



- O-Rings
- Viton FKM75 (FDA)
 - Silicone SIL-70 (NSF)



UV Monitor Control Box

The Ultraviolet Monitor visually indicates the level of germicidal ultraviolet energy that penetrates the quartz sleeve and water within the purifier. The monitor can detect reduction of ultraviolet levels due to following reasons:

- Fouling or deposits on the quartz sleeve(s).
- Poor ultraviolet transmission through water, colors, turbidity, and organics or other impurities in the water can reduce or interfere with the transmission of ultraviolet rays.
- End life of lamps, components or power failure.
- Depreciation of lamps output due to usage or other cause (lamp output gradually depreciates with use).

Our monitors are available with either an analog or digital intensity meter. The digital UV Monitor provides outputs to users for remotely monitoring the operation of water purifiers.

- 4-20mA Output: Provides current for remote display of ultraviolet intensity.
- Dry Contacts: Provides contact signal for ultraviolet transmission level.
- 12V DC Output: Provides power for a low supply alarm.



Electronic Ballast

- Voltage: 110V/230V/100-240V
- Frequency: 50-60Hz
- LED Alarm/Dry Contact
- Overheating Protection
- Instant Start



Low Pressure UV-Lamps (254nm / 185nm)

- Standard Lamps
Designed operation life: 9,000-10,000h
- HO UV-Lamps (High output)
Designed operation life: 10,000h
- Amalgam UV Lamps
Designed operation life: 13,000h

Quartz Sleeves(OD24.5mm/OD30mm)

- Quartz Sleeves
- Quartz Thimbles



UV Monitor and Sensor





Series A

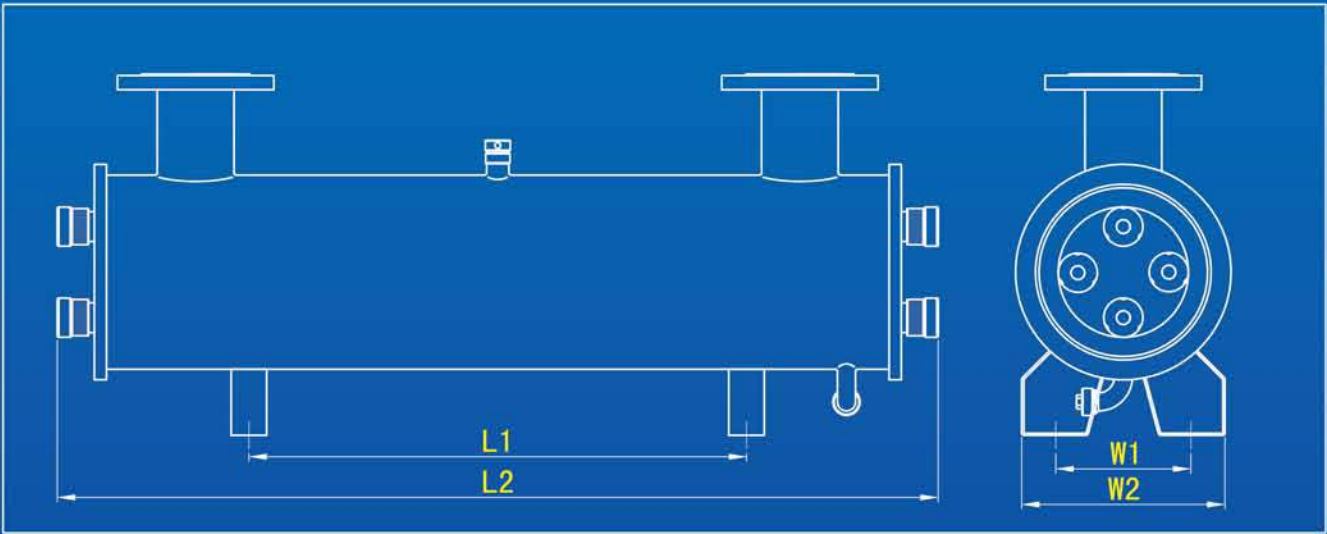
WONDER UV
Low Pressure Amalgam UV Lamp

Series A specifications												
Model Specifications	Flow Rate		Flow Rate		Flow Rate		Lamp No.	Length of Quartz (mm)	Chamber size(mm)			
	UVT 90% (30mj/cm ²)		UVT 96% (30mj/cm ²)		UVT 80% (40mj/cm ²)							
	LPH	Inlet/Outlet Size	LPH	Inlet/Outlet Size	LPH	Inlet/Outlet Size			L1	L2	W1	W2
A-14200	25,500	2.5 " Flange	31,000	2.5 " Flange	13,700	1.5 " Flange	420065	1205	700	1239	140	200
A-24200	44,000	3 " Flange	54,500	4 " Flange	23,700	2 " Flange	420065	1205	700	1239	140	200
A-24200i	51,800	4 " Flange	70,500	4 " Flange	25,550	2.5 " Flange	420065	1205	700	1239	155	230
A-34200	82,000	5 " Flange	111,000	5 " Flange	40,000	3 " Flange	420065	1205	700	1239	155	230
A-44200	126,000	6 " Flange	179,000	8 " Flange	59,000	4 " Flange	420065	1205	700	1239	190	286
A-54200	183,000	8 " Flange	275,000	8 " Flange	80,000	5 " Flange	420065	1205	700	1239	230	340
A-64200	210,000	8 " Flange	315,000	8 " Flange	92,000	5 " Flange	420065	1205	700	1239	230	340
A-64200i	230,000	8 " Flange	365,000	10 " Flange	97,000	5 " Flange	420065	1205	700	1239	298	450
A-74200	265,000	8 " Flange	425,000	10 " Flange	113,000	5 " Flange	420065	1205	700	1239	298	450
A-84200	297,000	8 " Flange	495,000	10 " Flange	125,000	6 " Flange	420065	1205	700	1239	320	460

A-12225	28,000	2.5 " Flange	34,000	2.5 " Flange	15,000	1.5 " Flange	222564	1205	700	1239	140	200
A-22225	48,000	3 " Flange	60,000	4 " Flange	25,500	2.5 " Flange	222564	1205	700	1239	140	200
A-22225i	57,000	4 " Flange	77,500	5 " Flange	27,800	2.5 " Flange	222564	1205	700	1239	155	230
A-32225	89,000	5 " Flange	119,000	6 " Flange	44,000	3 " Flange	222564	1205	700	1239	155	230
A-42225	138,000	6 " Flange	195,000	8 " Flange	64,000	4 " Flange	222564	1205	700	1239	190	286
A-52225	200,000	8 " Flange	300,000	8 " Flange	88,000	5 " Flange	222564	1205	700	1239	230	340
A-62225	230,000	8 " Flange	345,000	10 " Flange	100,000	5 " Flange	222564	1205	700	1239	230	340
A-62225i	250,000	8 " Flange	400,000	10 " Flange	106,000	5 " Flange	222564	1205	700	1239	298	450
A-72225	290,000	8 " Flange	465,000	10 " Flange	123,000	6 " Flange	222564	1205	700	1239	298	450
A-82225	330,000	10 " Flange	545,000	12 " Flange	135,000	6 " Flange	222564	1205	700	1239	320	460

A-14240	34,000	2.5 " Flange	41,000	3 " Flange	20,000	2.5 " Flange	424064	1625	1000	1654	140	200
A-24240	69,000	4 " Flange	93,000	5 " Flange	33,800	3 " Flange	424064	1625	1000	1654	155	230
A-34240	107,000	5 " Flange	145,000	6 " Flange	53,000	4 " Flange	424064	1625	1000	1654	155	230
A-44240	167,000	8 " Flange	238,000	8 " Flange	78,000	5 " Flange	424064	1625	1000	1654	190	286
A-54240	207,000	8 " Flange	295,000	8 " Flange	97,000	6 " Flange	424064	1625	1100	1654	230	340
A-64240	275,000	8 " Flange	415,000	10 " Flange	123,000	8 " Flange	424064	1625	1100	1654	230	340
A-74240	320,000	10 " Flange	475,000	10 " Flange	142,000	8 " Flange	424064	1625	1100	1654	230	340
A-84240	405,000	10 " Flange	650,000	12 " Flange	172,000	8 " Flange	424064	1625	1100	1654	298	450
A-94240	455,000	10 " Flange	725,000	14 " Flange	193,000	8 " Flange	424064	1625	1100	1654	298	450
A-104240	535,000	12 " Flange	885,000	14 " Flange	220,000	10 " Flange	424064	1625	1100	1654	320	460

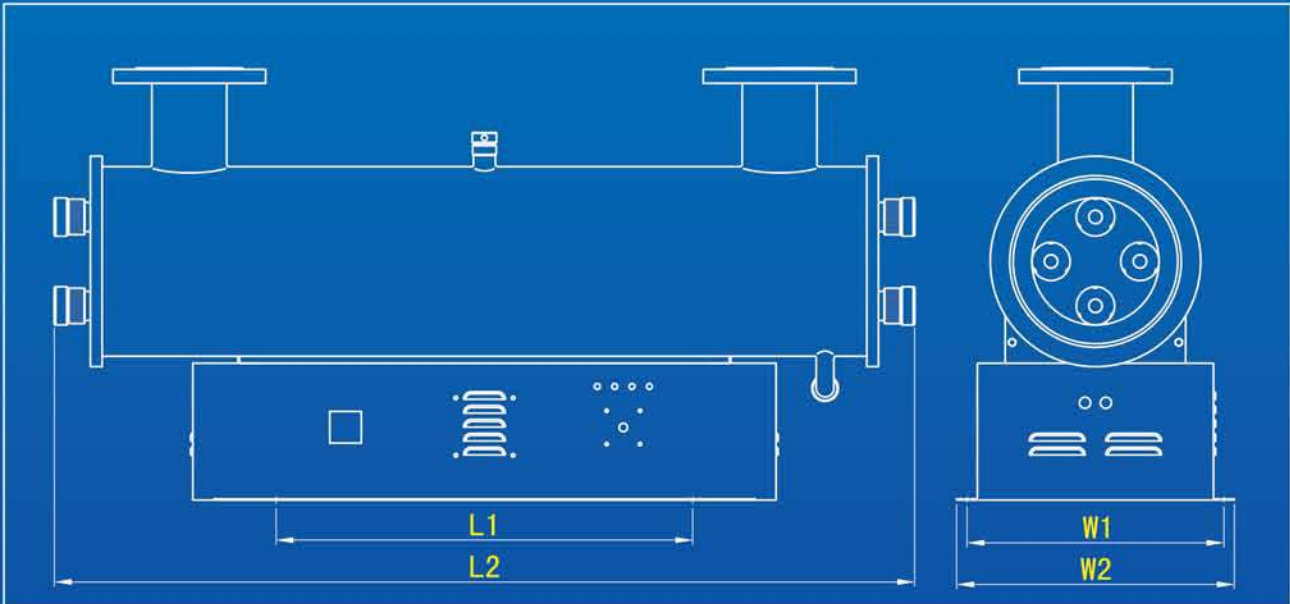
A-12320	41,500	3 " Flange	51,000	4 " Flange	22,500	2 " Flange	232064	1625	1000	1654	140	200
A-22320	85,000	5 " Flange	115,000	5 " Flange	42,000	3 " Flange	232064	1625	1000	1654	155	230
A-32320	158,000	6 " Flange	223,000	8 " Flange	73,000	4 " Flange	232064	1625	1000	1654	190	286
A-42320	207,000	8 " Flange	293,000	8 " Flange	96,000	5 " Flange	232064	1625	1000	1654	190	286
A-52320	278,000	8 " Flange	415,000	10 " Flange	125,000	6 " Flange	232064	1625	1100	1654	230	340
A-62320	340,000	10 " Flange	—	—	152,000	6 " Flange	232064	1625	1100	1654	230	340
A-72320	445,000	10 " Flange	710,000	14 " Flange	187,000	8 " Flange	232064	1625	1100	1654	298	450
A-82320	500,000	12 " Flange	810,000	14 " Flange	212,000	8 " Flange	232064	1625	1100	1654	298	450
A-92320	560,000	12 " Flange	910,000	14 " Flange	238,000	8 " Flange	232064	1625	1100	1654	298	450
A-102320	610,000	12 " Flange	—	—	258,000	8 " Flange	232064	1625	1100	1654	298	450
A-112320	660,000	12 " Flange	1100,000	16 " Flange	280,000	8 " Flange	232064	1625	1100	1654	320	460
A-122320	725,000	14 " Flange	1200,000	16 " Flange	308,000	8 " Flange	232064	1625	1100	1654	320	460
A-132320	790,000	14 " Flange	—	—	335,000	10 " Flange	232064	1625	1100	1654	320	460
A-142320	895,000	14 " Flange	1530,000	18 " Flange	368,000	10 " Flange	232064	1625	1100	1654	340	500
A-152320	950,000	16 " Flange	—	—	400,000	10 " Flange	232064	1625	1100	1654	340	500



Series A specifications												
Model Specifications	Flow Rate		Flow Rate		Flow Rate		Lamp No.	Length of Quartz (mm)	Chamber size(mm)			
	UVT 90% (30mj/cm ²)		UVT 96% (30mj/cm ²)		UVT 80% (40mj/cm ²)							
	LPH	Inlet/Outlet Size	LPH	Inlet/Outlet Size	LPH	Inlet/Outlet Size			L1	L2	W1	W2
A-14200B	25,500	2.5 " Flange	31,000	2.5 " Flange	13,700	1.5 " Flange	420065	1205	600	1239	210	240
A-24200B	44,000	3 " Flange	54,500	4 " Flange	23,700	2 " Flange	420065	1205	600	1239	210	240
A-24200iB	51,800	4 " Flange	70,500	4 " Flange	25,550	2.5 " Flange	420065	1205	600	1239	210	240
A-34200B	82,000	5 " Flange	111,000	5 " Flange	40,000	3 " Flange	420065	1205	600	1239	210	240
A-44200B	126,000	6 " Flange	179,000	8 " Flange	59,000	4 " Flange	420065	1205	600	1239	370	400
A-12225B	28,000	2.5 " Flange	34,000	2.5 " Flange	15,000	1.5 " Flange	222564	1205	600	1239	210	240
A-22225B	48,000	3 " Flange	60,000	4 " Flange	25,500	2.5 " Flange	222564	1205	600	1239	210	240
A-22225iB	57,000	4 " Flange	77,500	5 " Flange	27,800	2.5 " Flange	222564	1205	600	1239	210	240
A-32225B	89,000	5 " Flange	119,000	6 " Flange	44,000	3 " Flange	222564	1205	600	1239	210	240
A-42225B	138,000	6 " Flange	195,000	8 " Flange	64,000	4 " Flange	222564	1205	600	1239	370	400

A-14240B	34,000	2.5 " Flange	41,000	3 " Flange	20,000	2.5 " Flange	424064	1625	600	1654	210	240
A-24240B	69,000	4 " Flange	93,000	5 " Flange	33,800	3 " Flange	424064	1625	600	1654	210	240
A-34240B	107,000	5 " Flange	145,000	6 " Flange	53,000	4 " Flange	424064	1625	600	1654	210	240
A-44240B	167,000	8 " Flange	238,000	8 " Flange	78,000	5 " Flange	424064	1625	600	1654	370	400

A-12320B	41,500	3 " Flange	51,000	4 " Flange	22,500	2 " Flange	232064	1625	600	1654	210	240
A-22320B	85,000	5 " Flange	115,000	5 " Flange	42,000	3 " Flange	232064	1625	600	1654	210	240
A-32320B	158,000	6 " Flange	223,000	8 " Flange	73,000	4 " Flange	232064	1625	600	1654	370	400
A-42320B	207,000	8 " Flange	293,000	8 " Flange	96,000	5 " Flange	232064	1625	600	1654	370	400



Series A specifications												
Model	Flow Rate		Flow Rate		Flow Rate		Lamp No.	Length of Quartz (mm)	Chamber size(mm)			
	UVT 90% (30mj/cm ²)		UVT 96% (30mj/cm ²)		UVT 80% (40mj/cm ²)				L1	L2	W1	W2
Specifications	LPH	Inlet/Outlet Size	LPH	Inlet/Outlet Size	LPH	Inlet/Outlet Size						
A-14200C	25,500	2.5"Flange	31,000	2.5"Flange	13,700	1.5"Flange	420065	1205	700	1427	140	200
A-24200C	44,000	3"Flange	54,500	4"Flange	23,700	2"Flange	420065	1205	700	1427	140	200
A-24200iC	51,800	4"Flange	70,500	4"Flange	25,550	2.5"Flange	420065	1205	700	1427	155	230
A-34200C	82,000	5"Flange	111,000	5"Flange	40,000	3"Flange	420065	1205	700	1427	155	230
A-44200C	126,000	6"Flange	179,000	8"Flange	59,000	4"Flange	420065	1205	700	1427	190	286
A-54200C	183,000	8"Flange	275,000	8"Flange	80,000	5"Flange	420065	1205	700	1487	230	340
A-64200C	210,000	8"Flange	315,000	8"Flange	92,000	5"Flange	420065	1205	700	1487	230	340
A-64200iC	230,000	8"Flange	365,000	10"Flange	97,000	5"Flange	420065	1205	700	1487	298	450
A-74200C	265,000	8"Flange	425,000	10"Flange	113,000	5"Flange	420065	1205	700	1487	298	450
A-84200C	297,000	8"Flange	495,000	10"Flange	125,000	6"Flange	420065	1205	700	1487	320	460

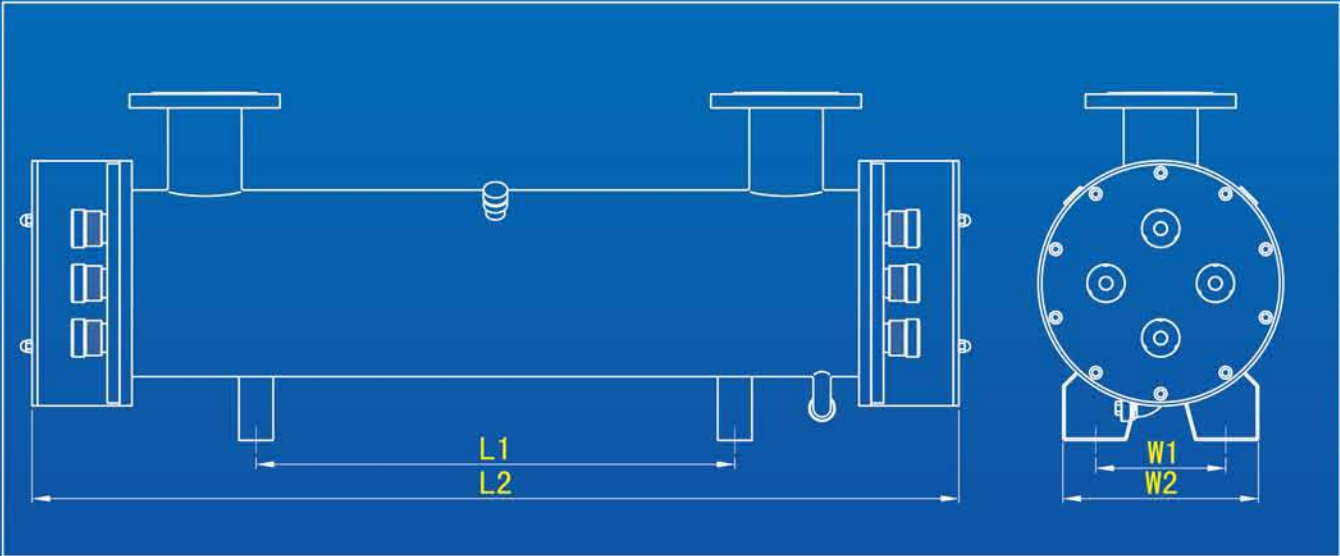
A-12225C	28,000	2.5"Flange	34,000	2.5"Flange	15,000	1.5"Flange	222564	1205	700	1427	140	200
A-22225C	48,000	3"Flange	60,000	4"Flange	25,500	2.5"Flange	222564	1205	700	1427	140	200
A-22225iC	57,000	4"Flange	77,500	5"Flange	27,800	2.5"Flange	222564	1205	700	1427	155	230
A-32225C	89,000	5"Flange	119,000	6"Flange	44,000	3"Flange	222564	1205	700	1427	155	230
A-42225C	138,000	6"Flange	195,000	8"Flange	64,000	4"Flange	222564	1205	700	1427	190	286
A-52225C	200,000	8"Flange	300,000	8"Flange	88,000	5"Flange	222564	1205	700	1487	230	340
A-62225C	230,000	8"Flange	345,000	10"Flange	100,000	5"Flange	222564	1205	700	1487	230	340
A-62225iC	250,000	8"Flange	400,000	10"Flange	106,000	5"Flange	222564	1205	700	1487	298	450
A-72225C	290,000	8"Flange	465,000	10"Flange	123,000	6"Flange	222564	1205	700	1487	298	450
A-82225C	330,000	10"Flange	545,000	12"Flange	135,000	6"Flange	222564	1205	700	1487	320	460

Series A specifications												
Model Specifications	Flow Rate		Flow Rate		Flow Rate		Lamp No.	Length of Quartz (mm)	Chamber size(mm)			
	UVT 90% (30mj/cm ²)		UVT 96% (30mj/cm ²)		UVT 80% (40mj/cm ²)				L1	L2	W1	W2
	LPH	Inlet/Outlet Size	LPH	Inlet/Outlet Size	LPH	Inlet/Outlet Size						
AD-14200C	25,500	2.5 " Flange	31,000	2.5 " Flange	13,700	1.5 " Flange	420065	1205	700	1361	140	200
AD-24200C	44,000	3 " Flange	54,500	4 " Flange	23,700	2 " Flange	420065	1205	700	1361	140	200
AD-24200iC	51,800	4 " Flange	70,500	4 " Flange	25,550	2.5 " Flange	420065	1205	700	1361	155	230
AD-34200C	82,000	5 " Flange	111,000	5 " Flange	40,000	3 " Flange	420065	1205	700	1361	155	230
AD-44200C	126,000	6 " Flange	179,000	8 " Flange	59,000	4 " Flange	420065	1205	700	1355	190	286
AD-54200C	183,000	8 " Flange	275,000	8 " Flange	80,000	5 " Flange	420065	1205	700	1417	230	340
AD-64200C	210,000	8 " Flange	315,000	8 " Flange	92,000	5 " Flange	420065	1205	700	1417	230	340
AD-64200iC	230,000	8 " Flange	365,000	10 " Flange	97,000	5 " Flange	420065	1205	700	1417	298	450
AD-74200C	265,000	8 " Flange	425,000	10 " Flange	113,000	5 " Flange	420065	1205	700	1417	298	450
AD-84200C	297,000	8 " Flange	495,000	10 " Flange	125,000	6 " Flange	420065	1205	700	1842	320	460

AD-12225C	28,000	2.5 " Flange	34,000	2.5 " Flange	15,000	1.5 " Flange	222564	1205	700	1361	140	200
AD-22225C	48,000	3 " Flange	60,000	4 " Flange	25,500	2.5 " Flange	222564	1205	700	1361	140	200
AD-22225iC	57,000	4 " Flange	77,500	5 " Flange	27,800	2.5 " Flange	222564	1205	700	1361	155	230
AD-32225C	89,000	5 " Flange	119,000	6 " Flange	44,000	3 " Flange	222564	1205	700	1361	155	230
AD-42225C	138,000	6 " Flange	195,000	8 " Flange	64,000	4 " Flange	222564	1205	700	1355	190	286
AD-52225C	200,000	8 " Flange	300,000	8 " Flange	88,000	5 " Flange	222564	1205	700	1417	230	340
AD-62225C	230,000	8 " Flange	345,000	10 " Flange	100,000	5 " Flange	222564	1205	700	1417	230	340
AD-62225iC	250,000	8 " Flange	400,000	10 " Flange	106,000	5 " Flange	222564	1205	700	1417	298	450
AD-72225C	290,000	8 " Flange	465,000	10 " Flange	123,000	6 " Flange	222564	1205	700	1417	298	450
AD-82225C	330,000	10 " Flange	545,000	12 " Flange	135,000	6 " Flange	222564	1205	700	1842	320	460

AD-14240C	34,000	2.5 " Flange	41,000	3 " Flange	20,000	2.5 " Flange	424064	1625	1000	1776	140	200
AD-24240C	69,000	4 " Flange	93,000	5 " Flange	33,800	3 " Flange	424064	1625	1000	1776	155	230
AD-34240C	107,000	5 " Flange	145,000	6 " Flange	53,000	4 " Flange	424064	1625	1000	1770	155	230
AD-44240C	167,000	8 " Flange	238,000	8 " Flange	78,000	5 " Flange	424064	1625	1000	1770	190	286
AD-54240C	207,000	8 " Flange	295,000	8 " Flange	97,000	6 " Flange	424064	1625	1100	1832	230	340
AD-64240C	275,000	8 " Flange	415,000	10 " Flange	123,000	8 " Flange	424064	1625	1100	1832	230	340
AD-74240C	320,000	10 " Flange	475,000	10 " Flange	142,000	8 " Flange	424064	1625	1100	1832	230	340
AD-84240C	405,000	10 " Flange	650,000	12 " Flange	172,000	8 " Flange	424064	1625	1100	1832	298	450
AD-94240C	455,000	10 " Flange	725,000	14 " Flange	193,000	8 " Flange	424064	1625	1100	1832	298	450
AD-104240C	535,000	12 " Flange	885,000	14 " Flange	220,000	10 " Flange	424064	1625	1100	1842	320	460

AD-12320C	41,500	3 " Flange	51,000	4 " Flange	22,500	2 " Flange	232064	1625	1000	1776	140	200
AD-22320C	85,000	5 " Flange	115,000	5 " Flange	42,000	3 " Flange	232064	1625	1000	1776	155	230
AD-32320C	158,000	6 " Flange	223,000	8 " Flange	73,000	4 " Flange	232064	1625	1000	1770	190	286
AD-42320C	207,000	8 " Flange	293,000	8 " Flange	96,000	5 " Flange	232064	1625	1000	1770	190	286
AD-52320C	278,000	8 " Flange	415,000	10 " Flange	125,000	6 " Flange	232064	1625	1100	1832	230	340
AD-62320C	340,000	10 " Flange	—	—	152,000	6 " Flange	232064	1625	1100	1832	230	340
AD-72320C	445,000	10 " Flange	710,000	14 " Flange	187,000	8 " Flange	232064	1625	1100	1832	298	450
AD-82320C	500,000	12 " Flange	810,000	14 " Flange	212,000	8 " Flange	232064	1625	1100	1832	298	450
AD-92320C	560,000	12 " Flange	910,000	14 " Flange	238,000	8 " Flange	232064	1625	1100	1832	298	450
AD-102320C	610,000	12 " Flange	—	—	258,000	8 " Flange	232064	1625	1100	1832	298	450
AD-112320C	660,000	12 " Flange	1,100,000	16 " Flange	280,000	8 " Flange	232064	1625	1100	1842	320	460
AD-122320C	725,000	14 " Flange	1,200,000	16 " Flange	308,000	8 " Flange	232064	1625	1100	1842	320	460
AD-132320C	790,000	14 " Flange	—	—	335,000	10 " Flange	232064	1625	1100	1842	320	460
AD-142320C	895,000	14 " Flange	1,530,000	18 " Flange	368,000	10 " Flange	232064	1625	1100	1842	340	500
AD-152320C	950,000	16 " Flange	—	—	400,000	10 " Flange	232064	1625	1100	1842	340	500



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