



UV-Y Disinfection Systems

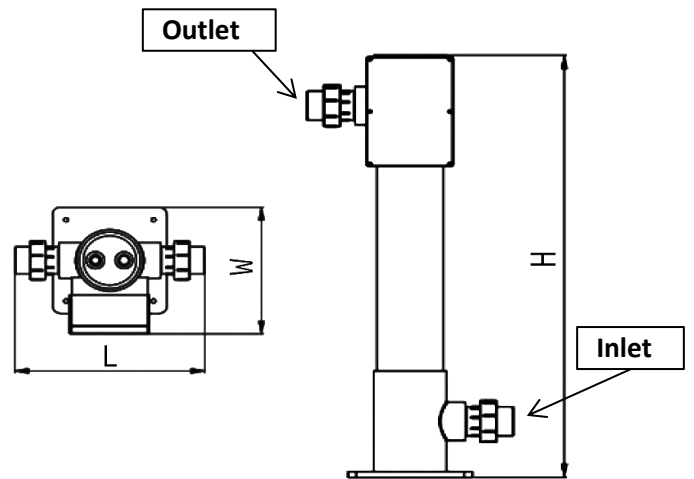
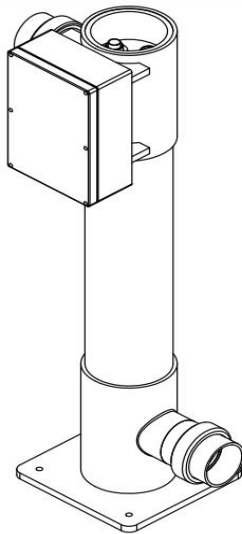
Swimming UV-Y Sterilizer



USER MANUAL

Y Series UV Sterilizer Specifications

Y Series UV Sterilizer										
No.	Model	Flow rate (30mj/cm ²)		Lamp watts	Qty. Lamps	Total Power	Inlet/Outlet	Reactor Size (mm)		
		GPM	m ³ /Hr					L	W	H
1	UV-Y80W(2U/40W)	44	10	40W	2	80W	Φ63mm(2")	300	445	1103
2	UV-Y120W(3U/40W)	66	15	40W	3	120W	Φ63mm(2")	300	445	1103
3	UV-Y160W(4U/40W)	88	20	40W	4	160W	Φ75mm(2.5")	350	458	1162
4	UV-Y200W(5U/40W)	110	25	40W	5	200W	Φ110mm(4")	400	548	1180
5	UV-Y240W(6U/40W)	132	30	40W	6	240W	Φ110mm(4")	400	548	1180
6	UV-Y160W(2U/80W)	88	20	80W	2	160W	Φ75mm(2.5")	300	445	1103
7	UV-Y240W(3U/80W)	132	30	80W	3	240W	Φ90mm(3")	300	445	1103
8	UV-Y320W(4U/80W)	176	40	80W	4	320W	Φ110mm(4")	350	491	1162
9	UV-Y400W(5U/80W)	220	50	80W	5	400W	Φ110mm(4")	400	548	1180
10	UV-Y480W(6U/80W)	264	60	80W	6	480W	Φ110mm(4")	400	548	1180



Specifications subject to change without notice, since our company reserves the change right.

1. Installation

1.1 Feature

1. Water cooling for ballasts installed inside the cover hat of chamber.
2. Water tight rate: IP56
3. Outdoor and indoor installation available
4. Start up and off according the signal from flow switch.
5. Easily installation and simple maintenance.

1.2 Installation of UV sterilizer

The UV sterilizer should be placed Vertically. Filtration should be applied before the UV Sterilizer system to provide high quality pretreated water for UV disinfection. Procedure for UV Sterilizer installation is as follow:

- (1) Unloose and take off the nut(s) on the end(s) of chamber.
- (2) Insert the quartz sleeve into the chamber carefully, then cover the O-ring on the end of the quartz sleeve.
- (3) Screw the nut on the end of chamber and tighten it. Note: Do not use force implement to avoid breaking up the quartz sleeve.
- (4) Check all the junctions and open the tap to see if leaks happen.
- (5) Please install water flow controller before UV sterilizer if the water flow is too fast.
- (6) Once it is determined that there are no leaks, connect the lamp with ballast , then insert into quartz sleeve. Screw the waterproof connector into the nut, and tighten it.
- (7) Open the water valve first, then power on the unit..
- (8) Power on and to check whether the lamp works well or not. Warning: Do never look at the UV Lamps with naked eyes when the UV lamp is power on.

1.3 Operation

1. Open the Inlet and Outlet valve.
2. Plug the power, and the unit will be powered on automatically.
When the water level can not reach the set level, the alarm will be triggered.
3. When the ballast and lamp fail, the alarm will be triggered.
4. Power off the unit, closed the Inlet and Outlet valve, then unplug the power.



2. Instructions of Operating & Maintenance

2.1 Caution: Be sure to unplug the unit before performing any work on the sterilizer

1. Regularly inspect your sterilizer unit to ensure that the UV lamp working properly. If the UV lamp fails, the audio and visual alarm will be triggered.
2. Screw out the waterproof connector , and take out the fault lamp. Re-install a new UV lamp into the quartz sleeve and connect the wire. Screw the waterproof connector into the nut . You should pay attention that no water leaks at the all junctions. Then power on the unit to see if it works.
- 3 . Replace the UV lamp after one year of continual working time (9000 hours), to ensure high disinfection effect. Do not turn on and off the UV lamp frequently, it will reduce the lamp's effective life.
4. Never touch the place where there is UV radiation.

3. Quality Warranty

1. Not responsible for any incidental or consequential damages of misuse.
2. One year guarantee for unit quality.

