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***TOP-WIN***

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**The Ultraviolet Water Sterilizer the expert**

**UV- Sterilizer user manual**

Pembelian hubungi:

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**Water Treatment Management**

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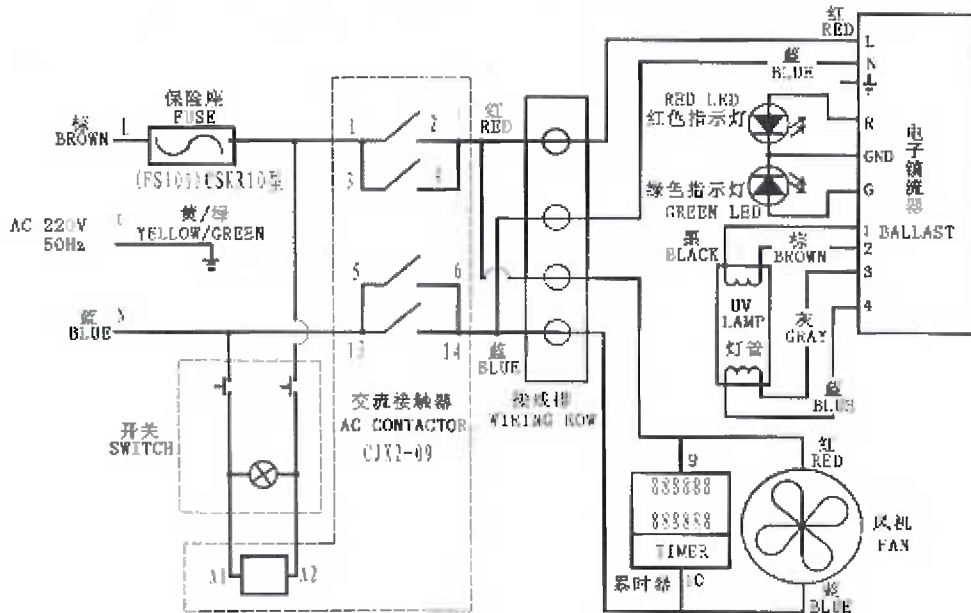
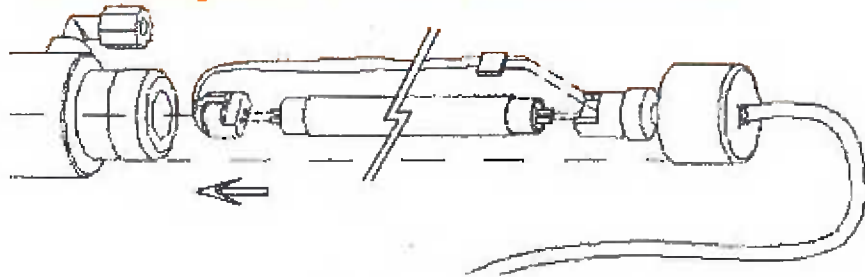
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## Ultraviolet Sterilizer ≠ Filter, It can not be used alone!

The Ultraviolet Sterilizer to aim at exclusively the living creature sexually transmitted disease poison disinfects the appropriation apparatus, it is to can't away with or the absorption has the material of the physics and chemistry.

The Ultraviolet Sterilizer equips need to import in place ahead a disinfection for adding ex- class filtering equipping toing do away with physics, chemistry material and miscellaneous quality, toing guarantee the ultraviolet ray disinfects as to it's can machine disinfect the object put out the germ effect can attain best.

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CONNECTION SKETCH MAP

### Position and steps for mounting:

- Please try to make water outlet of a sterilizer close to the position of water use to decrease secondary pollution caused due to too long extension pipeline when the sterilizer is mounted.
- Please fix UV sterilizer at a certain position using a fixation clamp or other fixing device to prevent it from dropping and damaging internal parts.
- Four core lamp holder and connector wire of lamp for electronic ballast are butted according to number and connected with both ends of UV lamp before penetrated through perforation nut and covered with dust-proof sleeve.
- Water outlet and inlet holes are connected with corresponding fittings before draining test is made for testing leakage. Visual inspection or hydraulic tester can be adopted to check if leakage exists for each connector of the sterilizer or not. Attaching plug can be inserted and power switch is closed if no leakage exists,
- Our electronic ballast can automatically detect whether ultraviolet lamp is connected well or damaged. If it is damaged or four core lamp or connector wire of lamp is not connected well, the electronic ballast will give out BB sound and red indicator lights up.
- Please plug power supply of the sterilizer in when firstly used. Take it down after UV lamp works for five minutes.
- After horizontal economic type sterilizer is switched, cumulative time device works at the same time and begins to count time. If the lamp has been used for 8000 hours, UV lamp should be replaced. Then the cumulative time device is pressed for 5 seconds and resetting is made back to zero before time is counted again.

### Notices for mounting and maintenance:

- Do not look steadily at lamp when it is working! Otherwise eyes will be injured!
- Please turn off electricity before replacing UV lamp to protect service safety!
- Please mount contactor or leakage protector in front of external power cord when large-size sterilizing equipment is mounted.
- Please adopt water inlet at low water level and water outlet at high water level to decrease water velocity and increase result of ultraviolet irradiation if the sterilizer is vertically mounted.
- Please mount current limiting or pressure limiting device when water current exceeds rated flow of the equipment.
- Please note that water pressure cannot exceed rated water pressure of the sterilizer if a pressure pump is mounted on water treatment equipment.
- Please mount check valve at water outlet to protect quartz sleeve inside the sterilizer if water pressure exceeds more than 3Kg.
- Please mount the electromagnetic valve at water inlet hole if normally closed electromagnetic valve is used.

- Please mount a filter to guarantee result of ultraviolet sterilization if turbidity of raw water exceeds 3 degree.
- Please take out quartz sleeve each four to six months to inspect whether scaling exists on the surface, thereby conveniently judging time of cleaning surface for quartz sleeve next time.

**Cleaning and assembling steps;**

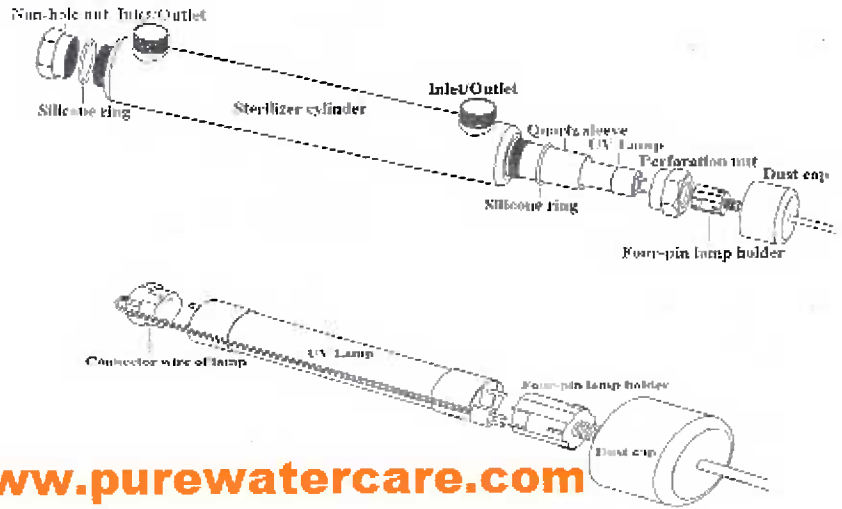
- Turn off electricity → take out lamp → release nut at both ends → take out quartz sleeve (do not lose silica gel sealing ring) → clean the sleeve.
- After cleaning → Place the sleeve at right place → firstly tighten non-hole nut (please firstly place the sleeve into the right position of steel pipe when the sleeve is mounted; secondly both ends of nut are tightened at the same time until no leakage exists for the nut) → four core holder and connector wire are placed into the quartz sleeve after connected with both ends of UV lamp → draining test for testing leakage → turn on electricity; green indicator lights up, which shows normal work. Please check whether four core holder and connector wire are mounted well if red indicator lights up.
- Clean the sleeve; neutral soap or citric acid is used for cleaning scaling on the surface of the sleeve. Please use alcohol to wipe surface of the sleeve which is then mounted into stainless steel pipe. Draining test is made for visual inspection of leakage for each connector part.

**Trouble shooting;**

- Please replace water stop silica gel ring on the sleeve when leakage exists at nut of steel pipe for UV sterilizer.
- Please firstly check whether crack exists in quartz sleeve and replace quartz sleeve if crack exists for water flowing out from the sleeve.
- Please firstly turn off water inlet if any leakage exists in water inlet and outlet and wind nylon connector or metal connector around water stop belt. Then nylon connector or metal connector is mounted onto water inlet and outlet. Or washer is replaced.
- Please check whether power indicator of ballast lights up or not. Please replace the indicator which does not light up due to blow fuse.
- If power indicator and red indicator light up and have sound, it shows that the lamp is damaged and should be replaced. Please firstly power off for two minutes before replacing lamp to prevent circuit board and lamp from being damaged.
- Lamp works normally but red indicator flickers, which shows that red indicator is damaged and should be replaced.
- Lamp works normally but red or green indicator flickers or both do not light up, which shows that the indicator is damaged and should be replaced.

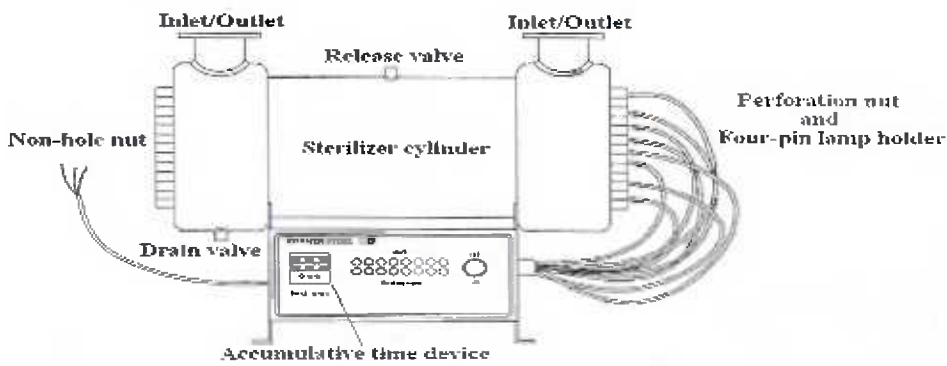
**Description of each part for UV sterilizer for water;**

**Vertical simple type UV-C sterilizer for water:**



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**Horizontal economic UV-C sterilizer for water:**



**Guarantee of quality**

Delivery test is made for all above products which are tested qualified. Shelf life of product is listed respectively as below: one year for electronic part; 8000 hours for UV lamp; three years for stainless steel body part. Product damage within warranty length (not including artificial damage) can be guaranteed to be maintained and replaced without payment (freight and premium extra). PS: Quality guarantee cannot be made upon product use exceeding regulated data range specified in the manual!

The Accumulative time device Operation method: UV lamp that use 8000 HRS, therefore, tired when the figures for 8,000 hours, please replace the UV lamp. After please drasn button  for 5 seconds, tired when it.

**The Sterilizing device product specification form of ultraviolet water quality data:**

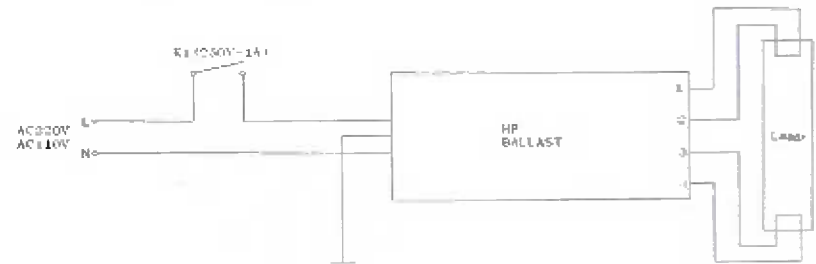
| Model     | watts  | Electricity unit volts | Electricity unit Hz | Output power | chamber Material | Dosage uW/cm <sup>2</sup> |
|-----------|--------|------------------------|---------------------|--------------|------------------|---------------------------|
| XH-UV4W   | 4W     | 180~230                | 50~60               | 0.17A        | 304 #            | >30000                    |
| XH-UV6W   | 6W     | 180~230                | 50~60               | 0.16A        | 304 #            | >30000                    |
| XH-UV11W  | 11W    | 180~230                | 50~60               | 0.41A        | 304 #            | >30000                    |
| XH-UV16W  | 16W    | 180~230                | 50~60               | 0.39A        | 304 #            | >30000                    |
| XH-UV25W  | 25W    | 180~230                | 50~60               | 0.61A        | 304 #            | >30000                    |
| XH-UV30W  | 30W    | 180~230                | 50~60               | 0.37A        | 304 #            | >30000                    |
| XH-UV55W  | 55W    | 180~230                | 50~60               | 0.77A        | 304 #            | >30000                    |
| XH-UV110W | 55W×2  | 180~230                | 50~60               | 1.54A        | 304 #            | >30000                    |
| XH-UV165W | 55W×3  | 180~230                | 50~60               | 2.31A        | 304 #            | >30000                    |
| XH-UV220W | 55W×4  | 180~230                | 50~60               | 3.08A        | 304 #            | >30000                    |
| XH-UV275W | 55W×5  | 180~230                | 50~60               | 3.85A        | 304 #            | >30000                    |
| XH-UV330W | 55W×6  | 180~230                | 50~60               | 4.62A        | 304 #            | >30000                    |
| XH-UV440W | 55W×8  | 180~230                | 50~60               | 6.16A        | 304 #            | >30000                    |
| XH-UV550W | 55W×10 | 180~230                | 50~60               | 7.7A         | 304 #            | >30000                    |
| XH-UV660W | 55W×12 | 180~230                | 50~60               | 9.24A        | 304 #            | >30000                    |
| XH-UV825W | 55W×15 | 180~230                | 50~60               | 11.55A       | 304 #            | >30000                    |
| XH-UV880W | 55W×16 | 180~230                | 50~60               | 12.32A       | 304 #            | >30000                    |

| Model     | Flow Rate, clean water | Flow Rate, Di, or RO water | In/Out Connect size (Inch) | Max pressure (kg) | Useful life (hrs) | Warning system |
|-----------|------------------------|----------------------------|----------------------------|-------------------|-------------------|----------------|
| XH-UV4W   | 0.2GPM                 | 0.25GPM                    | 1/4"                       | 5kg               | >6000             | yes            |
| XH-UV6W   | 0.4GPM                 | 0.5GPM                     |                            | 5kg               | >8000             | yes            |
| XH-UV11W  | 0.8GPM                 | 1GPM                       |                            | 5kg               | >8000             | yes            |
| XH-UV16W  | 1.6GPM                 | 2GPM                       |                            | 5kg               | >8000             | yes            |
| XH-UV25W  | 4.8GPM                 | 6GPM                       | 1/2"                       | 7kg               | >8000             | yes            |
| XH-UV30W  | 6.4GPM                 | 8GPM                       | 1/2"~3/4"                  | 7kg               | >8000             | yes            |
| XH-UV55W  | 9.6GPM                 | 12GPM                      | 3/4"~1"                    | 7kg               | >8000             | yes            |
| XH-UV110W | 19.2GPM                | 24GPM                      | 1"~1.5"                    | 8kg               | >8000             | yes            |
| XH-UV165W | 28.8GPM                | 36GPM                      |                            | 8kg               | >8000             | yes            |
| XH-UV220W | 38.4GPM                | 48GPM                      | 2"~2.5"                    | 8kg               | >8000             | yes            |
| XH-UV275W | 48GPM                  | 60GPM                      |                            | 8kg               | >8000             | yes            |
| XH-UV330W | 57.6GPM                | 72GPM                      | 3"~4"                      | 8kg               | >8000             | yes            |
| XH-UV440W | 76.8GPM                | 96GPM                      |                            | 8kg               | >8000             | yes            |
| XH-UV550W | 96GPM                  | 120GPM                     |                            | 8kg               | >8000             | yes            |
| XH-UV660W | 115.2GPM               | 144GPM                     | 4"~5"                      | 8kg               | >8000             | yes            |
| XH-UV825W | 144GPM                 | 180GPM                     |                            | 8kg               | >8000             | yes            |
| XH-UV880W | 153.6GPM               | 192GPM                     |                            | 8kg               | >8000             | yes            |

**UV-C BALLAST (WITH WIRE FOR PRESSURE SWITCH)**

1. If using ,this electronic ballast must connect to pressure switch,if there is no pressure switch,the two ends (in the pic.NO.1)of the wire must connect together, and insulate them.
2. The wire outside(in the pic.NO.1) is connected into the inner of the plug,so its voltage is the same as the plug. (AC 220V or AC 110V)
3. If the wire outside(in the pic.NO.1) has no connection with pressure switch or no insulation protection, **DO NOT TOUCH IT BY HAND.IT IS DANGEROUS!!!**

**PS:** Pressure switch is called high pressure switch, which is used with goose type faucet, when the water comes out from the faucet, the electronic ballast begins working, and the UV sterilizer also begins working.



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NO.1: when the two wires have no connection with pressure switch, pls use the insulation protection

