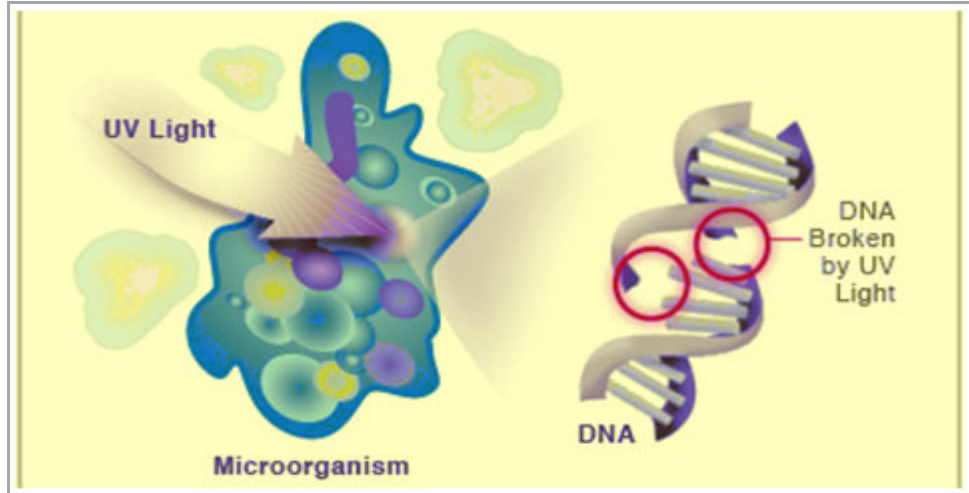


CAMIX UV STERILIZER, MATERIAL: uPVC - MODEL: UV/CAM4 -

UV STERILIZER & IT'S EFFECTION

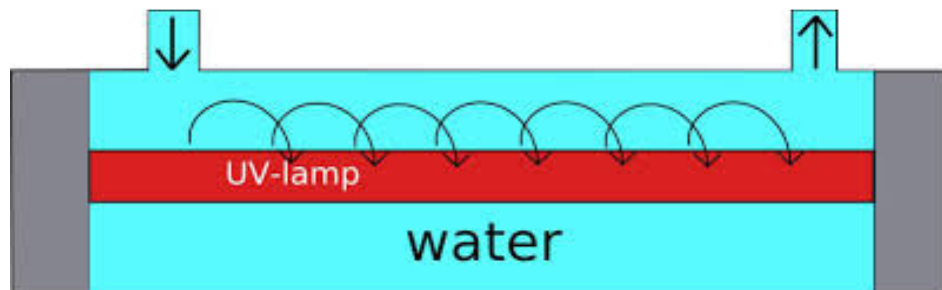
UV sterilizer emit the violet light that having an effection of disinfection, sterilization, fungus & algae removal...



UV sterilizer & it's effection of disinfection & sterilization

STRUCTURE & WORKING PRINCIPLE OF UV STERILIZER

It is designed that let water goes continuously through the specific compartment, so the UV light is absorbed into the water stream. Then the UV light is further adsorbed into cells of bacteria & virus, genetic factors (DNA/RNA) are re-arranged, breaking the usual structure and disable their reproduction ability. Therefore, they are regarded as died and the risk of infection is removed.



Structure & working principle of UV sterilizer

ADVANTAGES OF UV LIGHT IN COMPARISION WITH OTHER DISINFECTION METHODS

Disinfection by UV light is the same water distillation, cleaning water without chemicals, so that taking advantages as distillation. It don't generate new chemical compounds, don't change the taste & smell of water and also don't remove useful minerals in water.

ADVANTAGES OF UV STERILIZER, MATERIAL uPVC IN COMPARISION WITH OTHER UV STERILIZER, MATERIAL SS304

Overcoming the disadvantages of UV sterilizer made in SS304, the UV sterilizer made in uPVC having lower cost and they can sustains under a corrosion environment, such as: brackish water, saltwater, chemicals... With these advantages, the UV sterilizer that made in uPVC are specifically suitable for water disinfection for aquaculture (shrimp, fish, oyster, clam, sturgeon...).

APPLICATION

UV sterilizer is widely applied in factories & facilities, hotels & resort, hospitals & schools, office building, trading centres & supermarkets, farms... of industrial, agriculture, aquaculture & civil.

Some typical uses for actual purpose, examples:

- *Water disinfection for processing lines of drinking water & other beverages:*



- *Water disinfection for processing lines of food, foodstuff & vegetable:*



- *Water disinfection for human activities (hotel, resort, office building, high rise building, high apartment, resident centre...):*



- *Water disinfection for pearl clam farming:*



- *Water disinfection for sturgeon farming (harvesting caviar & fish):*



- *Water disinfection for shrimp farming:*



- *Water disinfection for fish farming:*



- *Water disinfection for oyster farming:*



- *Water disinfection for fish show tank in supermarket:*



TECHNICAL SPECIFICATION

TABLE 1:

| MODEL | UV/CAM4.1 | UV/CAM4.2 | UV/CAM4.3 | UV/CAM4.4 | UV/CAM4.5 |
|-------------------------|-------------------|-------------------|-------------------|--------------------|--------------------|
| Flow-Rate | 9.1 (m3/hr) | 18.2 (m3/hr) | 27.3 (m3/hr) | 36.4 (m3/hr) | 45.5 (m3/hr) |
| Electrical power | 80 (W) | 160 (W) | 240 (W) | 320 (W) | 400 (W) |
| Voltage | 220 (V) | 220 (V) | 220 (V) | 220 (V) | 220 (V) |
| Lamp Number | 1 | 2 | 3 | 4 | 5 |
| Visual Power: ON/OFF | Yes | Yes | Yes | Yes | Yes |
| Temperature | 2-40 (°C) | 2-40 (°C) | 2-40 (°C) | 2-40 (°C) | 2-40 (°C) |
| Pressure Max | 8.62 (bar) | 8.62 (bar) | 8.62 (bar) | 8.62 (bar) | 8.62 (bar) |
| In/Out Port Size | Ø49 (mm) | Ø73 (mm) | Ø90 (mm) | Ø90 (mm) | Ø90 (mm) |
| Material | uPVC | uPVC | uPVC | uPVC | uPVC |
| Overall Dimension | 25x30x120 (cm) | 50x30x120 (cm) | 75x30x120 (cm) | 100x30x120 (cm) | 125x30x120 (cm) |
| Weight | 6 (kgs) | 12 (kgs) | 18 (kgs) | 24 (kgs) | 30 (kgs) |

TABLE 2:

| MODEL | UV/CAM4.6 | UV/CAM4.7 | UV/CAM4.8 | UV/CAM4.9 | UV/CAM4.10 |
|-------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Flow-Rate | 54.6 (m3/hr) | 63.7 (m3/hr) | 72.8 (m3/hr) | 81.9 (m3/hr) | 91 (m3/hr) |
| Electrical power | 480 (W) | 560 (W) | 640 (W) | 720 (W) | 800 (W) |
| Voltage | 220 (V) | 220 (V) | 220 (V) | 220 (V) | 220 (V) |
| Lamp Number | 6 | 7 | 8 | 9 | 10 |
| Visual Power: ON/OFF | Yes | Yes | Yes | Yes | Yes |
| Temperature | 2-40 (°C) | 2-40 (°C) | 2-40 (°C) | 2-40 (°C) | 2-40 (°C) |
| Pressure Max | 8.62 (bar) | 8.62 (bar) | 8.62 (bar) | 8.62 (bar) | 8.62 (bar) |
| In/Out Port Size | Ø90 (mm) | Ø114 (mm) | Ø114 (mm) | Ø114 (mm) | Ø114 (mm) |
| Material | uPVC | uPVC | uPVC | uPVC | uPVC |
| Overall Dimension | 150x30x120 (cm) | 175x30x120 (cm) | 200x30x120 (cm) | 225x30x120 (cm) | 250x30x120 (cm) |
| Weight | 36 (kgs) | 42 (kgs) | 48 (kgs) | 54 (kgs) | 60 (kgs) |

REFERENCE PICTURES

