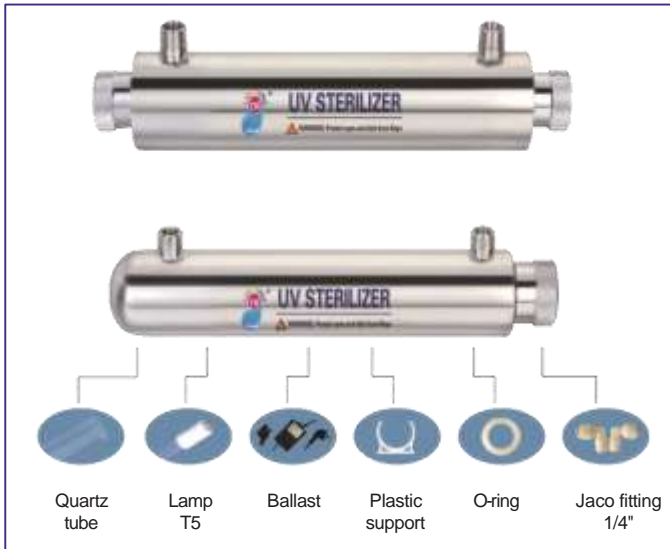



UV STERILIZERS

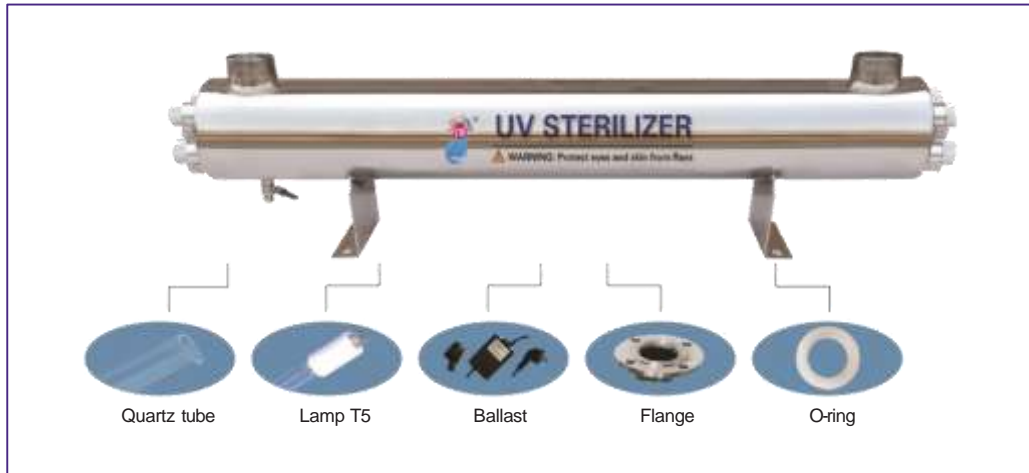
SS UV sterilizers



| Model | SS 6W | SS 12W | SS 16W | SS 25W | SS 30W | SS 35W | SS 55W | |
|---|------------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|-----------------------------------|-----------------------------------|-------------|
| Housing material | 304/316 | 304/316 | 304/316 | 304/316 | 304/316 | 304/316 | 304/316 | |
| All UV lamp (T5) power | 6 W | 12 W | 16 W | 25 W | 30 W | 35 W | 55 W | |
| Input voltage | 110V/240V 50/60Hz | 110V/240V 50/60Hz | 110V/240V 50/60Hz | 110V/240V 50/60Hz | 110V/240V 50/60Hz | 110V/240V 50/60Hz | 110V/240V 50/60Hz | |
| UV lamp quantity | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| Water treatment capability | 0.5 GPM (0.1 m ³ /h) | 1 GPM (0.2 m ³ /h) | 2 GPM (0.4 m ³ /h) | 6 GPM (1.4 m ³ /h) | 8 GPM (1.8 m ³ /h) | 10 GPM (2.3 m ³ /h) | 12 GPM (2.7 m ³ /h) | |
| Water capacity | 421 cm ³ | 502 cm ³ | 990 cm ³ | 1687 cm ³ | 2684 cm ³ | 2810 cm ³ | 2810 cm ³ | |
| Max operating pressure | 10 bar (145 psi) | 10 bar (145 psi) | 10 bar (145 psi) | 10 bar (145 psi) | 10 bar (145 psi) | 10 bar (145 psi) | 10 bar (145 psi) | |
| Test pressure | 15 bar (218 psi) | 15 bar (218 psi) | 15 bar (218 psi) | 15 bar (218 psi) | 15 bar (218 psi) | 15 bar (218 psi) | 15 bar (218 psi) | |
| Lamp failure alarm | Optional | Optional | Optional | Optional | Optional | Optional | Optional | |
| Lamp life | 8000 hours | 8000 hours | 8000 hours | 8000 hours | 8000 hours | 8000 hours | 8000 hours | |
|  | A | 270 mm | 310 mm | 375 mm | 595 mm | 910 mm | 950 mm | |
| | B | 63 mm | 63 mm | 82 mm | 82 mm | 85 mm | 85 mm | |
| | G | 1/4" female | 1/4" female | 1/2" female | 1/2" female | 3/4" female | 3/4" female | 3/4" female |
| | Ø | 50.8 mm | 50.8 mm | 63.5 mm | 63.5 mm | 63.5 mm | 63.5 mm | 63.5 mm |

UV STERILIZERS

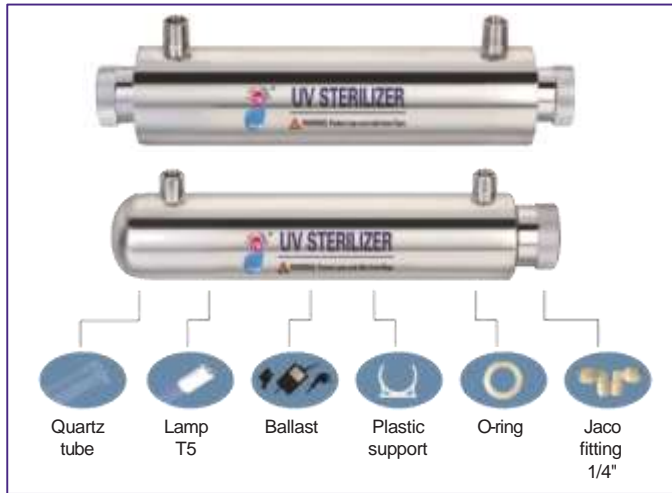
SS UV sterilizers in large power



| Model | | SS 110W | SS 165W | SS 220W | SS 330W | SS 440W | SS 550W | SS 660W |
|----------------------------|----|-----------------------------------|---------------------------------|----------------------------------|----------------------------------|----------------------------------|-----------------------------------|-----------------------------------|
| Housing material | | 304/316 | 304/316 | 304/316 | 304/316 | 304/316 | 304/316 | 304/316 |
| All UV lamp (T5) power | | 110 W | 165 W | 220 W | 330 W | 440 W | 550 W | 660 W |
| Input voltage | | 110V/240V 50/60Hz | 110V/240V 50/60Hz | 110V/240V 50/60Hz | 110V/240V 50/60Hz | 110V/240V 50/60Hz | 110V/240V 50/60Hz | 110V/240V 50/60Hz |
| UV lamp quantity | | 2 | 3 | 4 | 6 | 8 | 10 | 12 |
| Water treatment capability | | 24 GPM (5.5 m ³ /h) | 36 GPM (8 m ³ /h) | 48 GPM (11 m ³ /h) | 72 GPM (16 m ³ /h) | 96 GPM (22 m ³ /h) | 120 GPM (30 m ³ /h) | 144 GPM (35 m ³ /h) |
| Water capacity | | 8130 cm ³ | 12330 cm ³ | 12330 cm ³ | 19674 cm ³ | 33739 cm ³ | 33739 cm ³ | 33739 cm ³ |
| Max operating pressure | | 10 bar (145 psi) | 10 bar (145 psi) | 10 bar (145 psi) | 10 bar (145 psi) | 10 bar (145 psi) | 10 bar (145 psi) | 10 bar (145 psi) |
| Test pressure | | 15 bar (218 psi) | 15 bar (218 psi) | 15 bar (218 psi) | 15 bar (218 psi) | 15 bar (218 psi) | 15 bar (218 psi) | 15 bar (218 psi) |
| Lamp failure alarm | | Optional | Optional | Optional | Optional | Optional | Optionalw | Optional |
| Lamp life | | 8000 hours | 8000 hours | 8000 hours | 8000 hours | 8000 hours | 8000 hours | 8000 hours |
| Product size | A | 950 mm | 950 mm | 950 mm | 950 mm | 950 mm | 950 mm | 950 mm |
| | B1 | 250 mm | 283mm | 283mm | 380 mm | 430 mm | 430 mm | 430 mm |
| | B2 | 270 mm | 305 mm | 305 mm | 380 mm | 470 mm | 470 mm | 430 mm |
| | G | 1" (male/flange) | 1 1/2" (male/flange) | 1 1/2" (male/flange) | 2" (male/flange) | 3" (male/flange) | 3" (male/flange) | 3" (male/flange) |
| | Ø | 108 mm | 133 mm | 133 mm | 168 mm | 220 mm | 220 mm | 220 mm |
| Cartoon size | | 104x23x41 cm | 104x25x45 cm | 104x25x45 cm | 104x30x54 cm | 104x37x64 cm | 104x37x64 cm | 104x37x64 cm |
| Gross weight | | 8 kg | 11 kg | 11.5 kg | 25 kg | 27 kg | 28 kg | 29 kg |

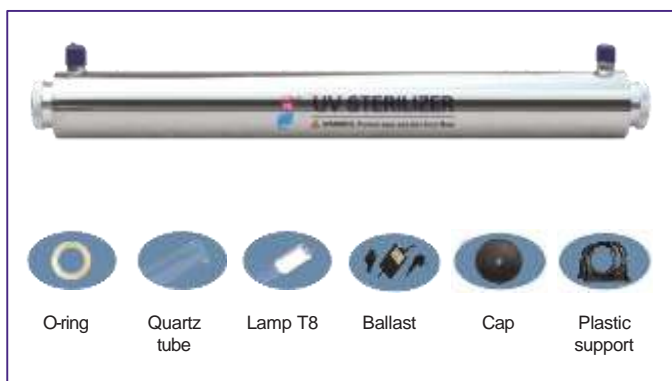
UV STERILIZERS

SS UV sterilizers with Phillips T5 lamps



| Model | SST5-6W | SST5-11W | SST5-16W |
|----------------------------|-----------------------|----------------------|----------------------|
| Housing material | 304/316 | 304/316 | 304/316 |
| All UV lamp (T5) power | 6 W | 11 W | 16 W |
| Input voltage | 110V/240V 50/60Hz | 110V/240V 50/60Hz | 110V/240V 50/60Hz |
| UV lamp quantity | 1 | 1 | 1 |
| Water treatment capability | 0.5 GPM (0.1 m³/h) | 1 GPM (0.2 m³/h) | 2 GPM (0.4 m³/h) |
| Water capacity | 502 cm³ | 502 cm³ | 990 cm³ |
| Max operating pressure | 10 bar (145 psi) | 10 bar (145 psi) | 10 bar (145 psi) |
| v | 15 bar (218 psi) | 15 bar (218 psi) | 15 bar (218 psi) |
| Lamp failure alarm | Optional | Optional | Optional |
| Lamp life | 8000 hours | 8000 hours | 8000 hours |
| Product size | A | 310 mm | 310 mm |
| | B | 63 mm | 63 mm |
| | Ø | 50.8 mm | 50.8 mm |
| | | | 63.5 mm |

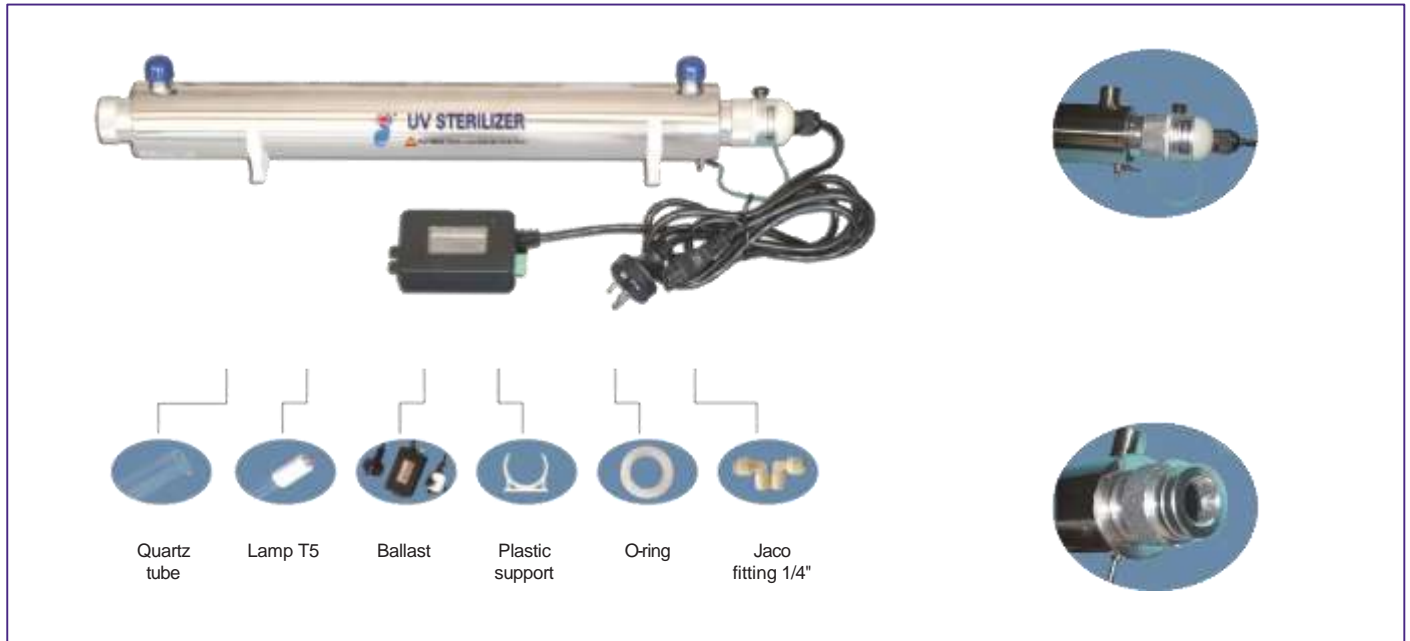
SS UV sterilizers with Phillips T8 lamps



| Model | SST8-25W | SST8-30W | SST8-55W |
|----------------------------|----------------------|----------------------|----------------------|
| Housing material | 304/316 | 304/316 | 304/316 |
| All UV lamp (T5) power | 25 W | 30 W | 55 W |
| Input voltage | 110V/240V 50/60Hz | 110V/240V 50/60Hz | 110V/240V 50/60Hz |
| UV lamp quantity | 1 | 1 | 1 |
| Water treatment capability | 8 GPM (1.8 m³/h) | 10 GPM (2.3 m³/h) | 12 GPM (2.7 m³/h) |
| Water capacity | 2684 cm³ | 2810 cm³ | 2810 cm³ |
| Max operating pressure | 10 bar (145 psi) | 10 bar (145 psi) | 10 bar (145 psi) |
| v | 15 bar (218 psi) | 15 bar (218 psi) | 15 bar (218 psi) |
| Lamp failure alarm | Optional | Optional | Optional |
| Lamp life | 8000 hours | 8000 hours | 8000 hours |
| Product size | A | 550 mm | 950 mm |
| | B | 475 mm | 920 mm |
| | Ø | 65 mm | 65 mm |
| | | | 65 mm |

UV STERILIZERS

SSD UV sterilizers with grounding wires



| Model | SSD 6W | SSD 12W | SSD 16W | SSD 25W | SSD 30W | SSD 35W | SSD 55W | |
|----------------------------|------------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|-----------------------------------|-----------------------------------|-------------|
| Housing material | 304/316 | 304/316 | 304/316 | 304/316 | 304/316 | 304/316 | 304/316 | |
| All UV lamp (T5) power | 6 W | 12 W | 16 W | 25 W | 30 W | 35 W | 55 W | |
| Input voltage | 110V/240V 50/60Hz | 110V/240V 50/60Hz | 110V/240V 50/60Hz | 110V/240V 50/60Hz | 110V/240V 50/60Hz | 110V/240V 50/60Hz | 110V/240V 50/60Hz | |
| UV lamp quantity | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| Water treatment capability | 0.5 GPM (0.1 m ³ /h) | 1 GPM (0.2 m ³ /h) | 2 GPM (0.4 m ³ /h) | 6 GPM (1.4 m ³ /h) | 8 GPM (1.8 m ³ /h) | 10 GPM (2.3 m ³ /h) | 12 GPM (2.7 m ³ /h) | |
| Water capacity | 421 cm ³ | 502 cm ³ | 990 cm ³ | 1687 cm ³ | 2684 cm ³ | 2810 cm ³ | 2810 cm ³ | |
| Max operating pressure | 10 bar (145 psi) | 10 bar (145 psi) | 10 bar (145 psi) | 10 bar (145 psi) | 10 bar (145 psi) | 10 bar (145 psi) | 10 bar (145 psi) | |
| Test pressure | 15 bar (218 psi) | 15 bar (218 psi) | 15 bar (218 psi) | 15 bar (218 psi) | 15 bar (218 psi) | 15 bar (218 psi) | 15 bar (218 psi) | |
| Lamp failure alarm | Optional | Optional | Optional | Optional | Optional | Optional | Optional | |
| Lamp life | 8000 hours | 8000 hours | 8000 hours | 8000 hours | 8000 hours | 8000 hours | 8000 hours | |
| | A | 270 mm | 310 mm | 375 mm | 595 mm | 910 mm | 950 mm | |
| | B | 63 mm | 63 mm | 82 mm | 82 mm | 85 mm | 85 mm | 85 mm |
| | G | 1/4" female | 1/4" female | 1/2" female | 1/2" female | 3/4" female | 3/4" female | 3/4" female |
| | Ø | 50.8 mm | 50.8 mm | 63.5 mm | 63.5 mm | 63.5 mm | 63.5 mm | |

YTG01T electronic ballasts for Phillips UV lamps T5 & T8

Specification

- For Phillips UV lamp T5 series and T8 series.
- High power factor 0.97.
- Light and sound alarm (when UV lamp is abnormal).
- EMC, CE certificate.
- year warranty.



| Model | YT-G01T5-6W | YT-G01T5-11W | YT-G01T8-25W | YT-G01T8-30W | YT-G01T8-55W |
|------------------------|---------------|---------------|---------------|---------------|---------------|
| Phillips lamps T5 & T8 | T5 6W | T5 11W | T8 25W | T8 30W | T8 55W |
| Input voltage | 220 V | 220 V | 220 V | 220 V | 220 V |
| Input current | 0.029 A | 0.053 A | 0.120 A | 0.144 A | 0.263 A |
| Power factor | ≥0.95 | ≥0.95 | ≥0.95 | ≥0.95 | ≥0.95 |
| Min start temperature | 0°F/ -18°C | 0°F/ -18°C | 0°F/ -18°C | 0°F/ -18°C | 0°F/ -18°C |

YTG01 electronic ballasts for UV lamps

Specification

- For UV lamp 4...150W, 120/230 V 50/60 Hz.
- High power factor, low THD.
- CE, UL Certificate.
- 1 year warranty.
- With grounding wire (optionally).
- Light and sound alarm (optionally).



| Model | YTG01-4W | YTG01-6W | YTG01-12W | YTG01-16W | YTG01-25W | YTG01-30W | YTG01-35W | YTG01-55W |
|-----------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Lamps type T5 4 pin | 4W UVC | 6W UVC | 12W UVC | 16W UVC | 25W UVC | 30W UVC | 35W UVC | 55W UVC |
| Input voltage | 220 V/ 120 V | 220 V/ 120 V | 220 V/ 120 V | 220 V/ 120 V | 220 V/ 120 V | 220 V/ 120 V | 220 V/ 120 V | 220 V/ 120 V |
| Input current | 0.030 | 0.045 | 0.091 | 0.121 | 0.189 | 0.227 | 0.265 | 0.417 |
| Power factor | ≥0.95 | ≥0.95 | ≥0.95 | ≥0.95 | ≥0.95 | ≥0.95 | ≥0.95 | ≥0.95 |
| Min start temperature | 0°F/ -18°C | 0°F/ -18°C | 0°F/ -18°C | 0°F/ -18°C | 0°F/ -18°C | 0°F/ -18°C | 0°F/ -18°C | 0°F/ -18°C |

■ UV STERILIZERS

YWD24-8W electronic balast for germecidal UV lamps



| | |
|----------------|---------------|
| Model | YWD24-8W |
| Power per lamp | 4...8 W |
| Input voltage | 21.4...26.4 V |
| Input current | 0.48 A@24 V |
| Lamp current | 0.16...0.18 |
| Power factor | ≥0.95 |

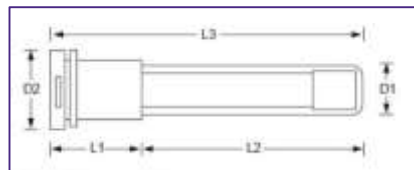
UV water disinfection integrated lamps

Product characteristic

Usage the quartz glass tube with UV transmissivity over 90% matched with UV lamp tube, connecting external ballast, composing integrated immersion lamp. Easy to operate, small volume, good disinfection effect.

Application area

Applied in water treatment, such as fishpond and aquarium disinfection.



| Lamp type | | UV-6W | UV-10W |
|--------------|----|------------|------------|
| Lamp wattage | | 6 W | 10 W |
| Product size | L1 | 56 | 56 |
| | L2 | 109 | 186 |
| | L3 | 165 | 242 |
| | D1 | 23 | 23 |
| | D2 | 40 | 40 |
| Useful life | | 9000 hours | 9000 hours |

TUV T5/T6 UVC 4 pins lamps in single ends

Features

- Electrodes and quartz tube are processed by special technique, the UV lamp have a long life and keep UV output.

- Different lamp holder, plastic and ceramic.
- High ozone lamps can produce hydroxyl in water, decomposition of organic matter, reducing TOC.

Applications

- Disinfection for purified water, domestic water, deionized water, medical water, and other water sources.

- Used in waste water treatment, photocatalyst, photocatalytic degradation of organic compounds in water.

- Water treatment equipment.



| Lamp type | Diameter mm | Base length mm | Wattage W | Lamp voltage V | Lamp current mA | UV intensity (distance 1 m) $\mu\text{W}/\text{cm}^2$ |
|-----------------|-------------|----------------|-----------|----------------|-----------------|---|
| TUV10D15Y-Z212 | 15 | 221 | 10 | 32 | 425 | 21...24 |
| TUV14D15Y-Z287 | 15 | 287 | 14 | 42 | 425 | 31...35 |
| TUV15D15Y-Z303 | 15 | 303 | 15 | 44 | 425 | 33...37 |
| TUV18D15Y-Z356 | 15 | 356 | 18 | 52 | 425 | 48...54 |
| TUV23D15Y-Z436 | 15 | 436 | 23 | 66 | 425 | 62...69 |
| TUV28D15Y-Z550 | 15 | 550 | 28 | 80 | 425 | 85 |
| TUV37D15Y-Z793 | 15 | 793 | 37 | 100 | 425 | 110 |
| TUV40D15Y-Z851 | 15 | 851 | 40 | 110 | 400 | 120...130 |
| TUV55D15Y-Z1149 | 15 | 1149 | 55 | 180 | 400 | 150...180 |
| TUV75D15Y-Z1554 | 15 | 1554 | 75 | 200 | 630 | 180...210 |

For example: TUV75D15Y-Z1554 means Ultraviolet lamp, 75W, single end (D), pipe diameter 15 mm, with ozone (Y), without ozone (W), straight pipe (Z), length 1554 mm.

Special UV lamps for water treatment

| Lamp type | Diameter mm | Base length mm | Wattage W | Lamp voltage V | Lamp current mA | UV intensity (distance 1 m) $\mu\text{W}/\text{cm}^2$ |
|-----------|-------------|----------------|-----------|----------------|-----------------|---|
| TUVT5-4W | 15 | 153 | 4 | 28 | 120 | 18 |
| TUVT5-6W | 15 | 212 | 6 | 32 | 180 | 20 |
| TUVT5-12W | 15 | 287 | 12 | 42 | 380 | 31 |
| TUVT5-16W | 15 | 345 | 16 | 47 | 410 | 33 |
| TUVT5-25W | 15 | 565 | 25 | 74 | 425 | 77 |
| TUVT5-30W | 15 | 885 | 30 | 82 | 425 | 85 |
| TUVT5-35W | 15 | 925 | 35 | 98 | 490 | 102 |
| TUVT5-55W | 15 | 925 | 55 | 120 | 512 | 145 |
| TUVT5-75W | 15 | 1554 | 75 | 190 | 200 | 200 |

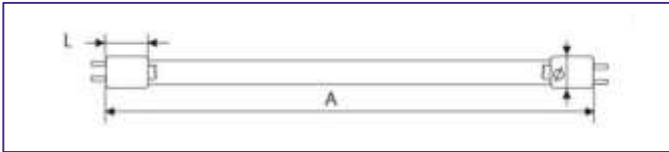
ZW T5/T6 UVC 4 pins lamps in double ends

Features

- Hot cathode electrodes, pre-heated start, the average life more than 8000 hours.
- Match with the same specification of fluorescent brackets and holders, or make different tube diameters and lamp holder, according to customer requirements.
- Ceramic lamp holder: anti-oxidation, anti-radiation.

Applications

- Disinfection cabinet, microwave ovens, air conditioners, water treatment equipment, air purifiers and various small appliances.
- The disinfection for hospitals, schools, hotels, restaurants, house, air and surface of the house.

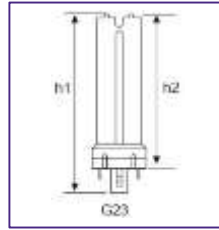


| Model | Diameter, mm | Base length, mm | Wattage, W | Lamp voltage, V | Lamp current, mA | UV intensity (distance 1 m) $\mu\text{W}/\text{cm}^2$ | Type code | Material |
|----------------|--------------|-----------------|------------|-----------------|------------------|---|-----------|----------|
| ZW4S12Y-Z135 | 12 (T4) | 135 | 4 | 18...24 | 160 | 12 | G5 | Plastic |
| ZW4S15Y-Z135 | 15 (T5) | 135 | 4 | 18...24 | 160 | 12 | G5 | Ceramic |
| ZW6S12Y-Z212 | 12 (T4) | 212 | 6 | 36...48 | 160 | 18 | G5 | Plastic |
| ZW6S15Y-Z212 | 15 (T5) | 212 | 6 | 36...48 | 160 | 18 | G5 | Ceramic |
| ZW8S12Y-Z288 | 12 (T4) | 288 | 8 | 48...64 | 145 | 28 | G5 | Plastic |
| ZW8S15Y-Z288 | 15 (T5) | 288 | 8 | 48...64 | 145 | 28 | G5 | Ceramic |
| ZW10S15Y-Z331 | 15 (T5) | 331 | 10 | 55...70 | 220 | 30 | G13 | Ceramic |
| ZW15S15Y-Z437 | 15 (T5) | 437 | 15 | 59...71 | 300 | 44 | G13 | Ceramic |
| ZW15S19Y-Z437 | 19 (T6) | 437 | 15 | 59...71 | 300 | 44 | G13 | Ceramic |
| ZW20S15Y-Z589 | 15 (T5) | 589 | 20 | 68...84 | 320 | 75 | G13 | Ceramic |
| ZW20S19Y-Z589 | 19 (T6) | 589 | 20 | 71...91 | 320 | 75 | G13 | Ceramic |
| ZW30S15Y-Z894 | 15 (T5) | 894 | 30 | 105...125 | 300 | 90 | G13 | Ceramic |
| ZW30S19Y-Z894 | 19 (T6) | 894 | 30 | 105...125 | 300 | 90 | G13 | Ceramic |
| ZW30S25Y-Z894 | 25 (T8) | 894 | 30 | 105...125 | 300 | 90 | G13 | Ceramic |
| ZW40S15Y-Z1199 | 15 (T5) | 1199 | 40 | 110...130 | 330 | 110 | G13 | Ceramic |
| ZW40S19Y-Z1199 | 19 (T6) | 1199 | 40 | 110...130 | 330 | 110 | G13 | Ceramic |
| ZW40S25Y-Z1199 | 25 (T8) | 1199 | 40 | 110...130 | 330 | 110 | G13 | Ceramic |

For example: ZW40S25Y-Z1199 means Ultraviolet lamp, 40W, double end (S), pipe diameter 25 mm, with ozone (Y), without ozone (W), straight pipe (Z), length 1199 mm.

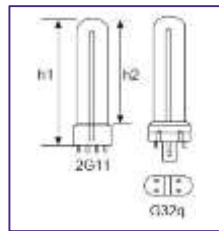
UV STERILIZERS

H/U/PLL UV lamps



| Model | Diameter, mm | Base length | | Wattage, V | Lamp voltage, mA | Lamp current, mA | UV intensity (distance 1 m), $\mu\text{W}/\text{cm}^2$ |
|----------------|--------------|-------------|---------|------------|------------------|------------------|--|
| | | h1 (mm) | h2 (mm) | | | | |
| TUV5D12Y-H85 | 12 | 107 | 85 | 5 | 30...40 | 180 | 14 |
| TUV7D12Y-H115 | 12 | 137 | 115 | 7 | 42...52 | 175 | 16 |
| TUV9D12Y-H145 | 12 | 167 | 145 | 9 | 54...64 | 170 | 23 |
| TUV11D12Y-H215 | 12 | 237 | 215 | 11 | 81...99 | 155 | 38 |
| TUV13D12Y-H164 | 12 | 186 | 164 | 13 | 48...62 | 300 | 40 |

For example: TUV13D12Y-H164 means Ultraviolet lamp, 13W, single end (D), pipe diameter 12 mm, with ozone (Y), without ozone (W), H pipe (H), length 164 mm.



| Model | Diameter, mm | Base length | | Wattage, V | Lamp voltage, mA | Lamp current, mA | UV intensity (distance 1 m), $\mu\text{W}/\text{cm}^2$ |
|----------------|--------------|-------------|---------|------------|------------------|------------------|--|
| | | h1 (mm) | h2 (mm) | | | | |
| TUV18D17Y-H217 | 17 | 217 | 195 | 18 | 52...64 | 375 | 57 |
| TUV24D17Y-H317 | 17 | 317 | 295 | 24 | 77...97 | 345 | 94 |
| TUV36D17Y-H411 | 17 | 411 | 379 | 36 | 98...118 | 435 | 147 |
| TUV40D17Y-H533 | 17 | 533 | 501 | 40* | 130...150 | 385 | 155 |
| TUV55D17Y-H533 | 17 | 533 | 501 | 55* | 110...130 | 550 | 170 |

For example: TUV55D17Y-H533 means Ultraviolet lamp, 55W, single end (D), pipe diameter 17 mm, with ozone (Y), without ozone (W), H pipe (H), length 533mm.

* Remark: 40W and 50W must use with electronic ballast.

QT5 quartz tubes

Specifications

- High temperature resistant
- Good corrosion resistant
- Low thermal expansion coefficient
- Good electric insulation performance
- Long time to use
- High purity, silicon dioxide >99.99%
- Transmittance of light >90%



| Model | Length, mm | Inner diameter, mm | Outer diameter, mm | Wall thickness, mm |
|----------|------------|--------------------|--------------------|--------------------|
| QT5-D04 | 180 | 20 | 23 | 1.5 |
| QT5-D06 | 240 | 20 | 23 | 1.5 |
| QT5-D012 | 296 | 20 | 23 | 1.5 |
| QT5-D016 | 360 | 20 | 23 | 1.5 |
| QT5-D025 | 580 | 20 | 23 | 1.5 |
| QT5-D030 | 900 | 20 | 23 | 1.5 |
| QT5-D035 | 940 | 20 | 23 | 1.5 |
| QT5-D055 | 940 | 20 | 23 | 1.5 |