

UV Systems

Series UV

Features:

- **High output “Philips” UV lamp with Useful Life up to 11000 hours**
- Easy servicing - no need to disconnect the inlet water to change the UV lamp
- Remote plug-in and desktop ballast
- 99.99% kill rate on bacteria and viruses
- Stainless steel or aluminum housing
- Includes mounting clamp and quartz sleeve
- 304 stainless steel reactor chamber
- **Built-in UV lamp intensity and lifetime display**
- Factory tested for insured quality
- 1 year warranty



UV Sterilization

Ultra-violet sterilization Virtually eliminate microbiological contaminants without using potentially hazardous chemicals. Water enters through the on port of the ultraviolet generator cell and swirls around a low pressure mercury vapor lamp, which emits powerful ultraviolet light energy at 235.7nm wave length. Bacteria, viruses and other micro-organisms absorb the light energy which disrupts their DNA, and are destroyed safely inside stainless steel cell. The treated water then exits through the another port of the cell and is ready for consumption.

Acropore UV system is a reliable, economical and chemical free way to safeguard drinking water in any residential application. The system has been designed and tested to ensure quality drinking water is at everyone's finger tips.

| Technical information | |
|--------------------------------------|-------------|
| Microorganism | Dose mJ/cm2 |
| E. Coli ² | 6.6 |
| Cryptosporidium parvum ¹ | <10 |
| Giardia lamblia ¹ | <10 |
| Hepatitis Virus ¹ | 8 |
| Influenza Virus ¹ | 6.6 |
| Shigella dysenteria ² | 4.2 |
| Legionella pnueumophila ² | 3.8 |
| Salmonella paratyphi ² | 6.1 |

1. 2-log reduction, 2. 4-log reduction



UV-11

Advantages of UV

- **Effective:** Virtually all microorganisms are susceptible to UV disinfection
- **Economical:** Hundreds of gallons of water can be purified for a few cents per day
- **Safe:** No danger or way of overdosing, no addition of hazardous chemicals
- **Fast:** Water is ready for consumption as soon as it leaves the cell
- **Easy:** Simple installation and maintenance. Minimum space requirements
- **No Chemicals:** No chlorine taste or corrosion problems



UV-16



UV-55

Operating Specifications

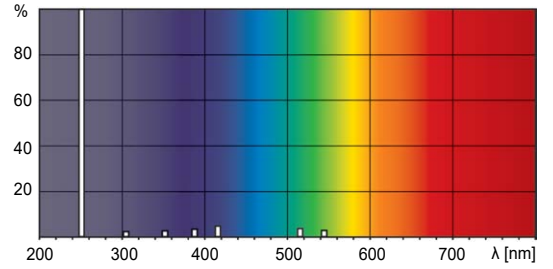
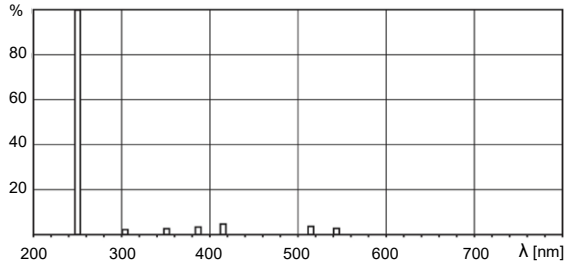
- Electrical supply: 240V/50Hz
- Max. Operating Pressure: 125psi
- Ambient Temperature: 2-40°C



UV-550



Photometric data



| Philips UV Lamps Technical information | | | | | |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Technical | 11W | 16W | 55W | 75W | 145W |
| Power (Nominal) | 11.5W | 15W | 54W | 75W | 145W |
| Current (Nominal) | 0.4A | 0.4A | 0.77A | 0.84A | 0.8A |
| Voltage (Nominal) | 34V | 43V | 86V | 110V | 175V |
| UV-C Radiation | 2.6W | 4.0W | 17.5W | 25.5W | 48W |
| Mercury content | 4.4mg | 4.4mg | 2.0mg | 2.0mg | - |
| Diameter | 16mm | 16mm | 28mm | 28mm | 19.3mm |
| Length | 226.3mm | 302.5mm | 908.8mm | 1213.6 mm | 1564.5 mm |
| Cap-Base | 2pins Double-ended | 2pins Double-ended | 2pins Double-ended | 2pins Double-ended | 4pins Single-ended |
| Useful Life (Nominal) | 11000 hrs | 11000 hrs | 9000 hrs | 9000 hrs | 9000 hrs |



| Ordering information | | | | | | | |
|----------------------|-----------|------|--------------------|--------------|-------|--------------|------------------|
| Model | Flow Rate | | | Philips Lamp | | Inlet/Outlet | Dimension (mm) |
| | GPM | LPM | m ³ /Hr | Numbers | Watts | | |
| UV-11 | 1 | 3.78 | 0.22 | 1 | 11W | 1/4" MNPT | 51 x 260 |
| UV-16 | 2 | 7.6 | 0.45 | 1 | 16W | 1/4" MNPT | 64 x 350 |
| UV-55 | 12 | 45 | 2.7 | 1 | 55W | 3/4" MNPT | 64 x 970 x 250 |
| UV-110 | 24 | 90 | 5.4 | 2 | 55W | 1" MNPT | 140 x 970 x 342 |
| UV-165 | 36 | 135 | 8.1 | 3 | 55W | 1.5" MNPT | 140 x 970 x 342 |
| UV-220 | 48 | 180 | 10.8 | 4 | 55W | 1.5" MNPT | 180 x 970 x 382 |
| UV-330 | 60 | 270 | 16.2 | 6 | 55W | 2" MNPT | 220 x 970 x 422 |
| UV-440 | 96 | 360 | 21.6 | 8 | 55W | DN50 | 260 x 970 x 540 |
| UV-550 | 120 | 450 | 27 | 10 | 55W | DN80 | 260 x 970 x 540 |
| UV-660 | 144 | 545 | 33 | 12 | 55W | DN100 | 310 x 970 x 540 |
| UV-675 | 158 | 600 | 36 | 9 | 75W | DN100 | 260 x 920 x 540 |
| UV-900 | 210 | 800 | 48 | 12 | 75W | DN100 | 310 x 920 x 540 |
| UV-1125 | 270 | 1020 | 61 | 15 | 75W | DN100 | 400 x 920 x 540 |
| UV-1350 | 324 | 1225 | 73 | 18 | 75W | DN150 | 430 x 920 x 540 |
| UV-1575 | 375 | 1420 | 85 | 21 | 75W | DN150 | 480 x 920 x 720 |
| UV-1800 | 430 | 1625 | 98 | 24 | 75W | DN150 | 510 x 920 x 720 |
| UV-2175 | 518 | 1960 | 117 | 15 | 145W | DN150 | 400 x 1630 x 540 |
| UV-2610 | 622 | 2350 | 141 | 18 | 145W | DN150 | 430 x 1630 x 540 |
| UV-3045 | 725 | 2740 | 164 | 21 | 145W | DN200 | 480 x 1630 x 720 |
| UV-3480 | 829 | 3130 | 188 | 24 | 145W | DN200 | 510 x 1630 x 720 |
| UV-3915 | 932 | 3525 | 211 | 27 | 145W | DN200 | 540 x 1630 x 720 |
| UV-4350 | 1035 | 3910 | 235 | 30 | 145W | DN200 | 560 x 1630 x 720 |

Design, specification and materials subject to change without notice.

Options



Media Filters and Softeners

- Anthracite : for Sediment Removal
- Manganese Sand : For Stain Removal
- Multi-Media : for Sediment and Stain Removal
- Activated Carbon : for Organics, Chlorine, Off-Taste/Odor Removal
- Resin : for Hardness Removal



RO Systems

- Series PRO48, capacity of 1.5 - 3.0 m³/hr
- Series PRO88, capacity of 6-18 m³/hr



Booster Pumps

For boosting the constant pressure to the filter tanks and offering smooth filtration and high efficiency. Consists of single or double pumps , diaphragm pressure tank, pump controller with pressure switch or float switch.



Microfiltration Systems

Multi-Cartridge Filter and Housings provide a high quality solution for high-volume microfiltration up to 825 m³/hr. Ideal for use in post-filtration and more. SS304 or FRP housings fit standard 40" filter cartridges. Filters cartridges are nominal micron rating 1-50 micron.



Ultrafiltration (UF) Systems

- Capacity of up to 100 m³/hr
- Low fouling Hydrophilic Polyvinylidene fluoride (H-PVDF) membrane
- Excellent filtration performance with high flux
- Can be periodically back washed and air scoured to improve performance and extend operating life by removing the fouling layer

Please request more information.

Acropore Technology Co., Ltd.

Thailand

Nonthaburi Head Office: 8, Thaiyanon 12, Nonthaburi 46 Rd., Muang, Nonthaburi 11000, TEL: 02 950 2121-2, FAX: 02 950 2120
Khonkan Factory/Sevices: 257/149, Mitraphab Rd., Muang, Khonkan 40000, TEL: 043-235441, 043-235221, FAX: 043-235183
Rayong Sales/Services: 1/47 Sukhumvit Rd., NoenPhra, Mueng, Rayong 21000, TEL: 02 950 2121-2, FAX: 02 950 2120
Email: sales.th@acropore.com

Vietnam

HCMC Sales/Services: 245 Tan Son Nhi Street, Tan Son Nhi Ward, Tan Phu District, HCMC, TEL: +848 3816 5758, FAX: +848 3816 5759
Email: sales.vn@acropore.com

Myanmar

Yangon Sales/Services: 3/46, Thanthumar Rd., Thinganyub Township, Yangon, TEL: +959 450280752, FAX: +959 785445645
Email: sales.mm@acropore.com

