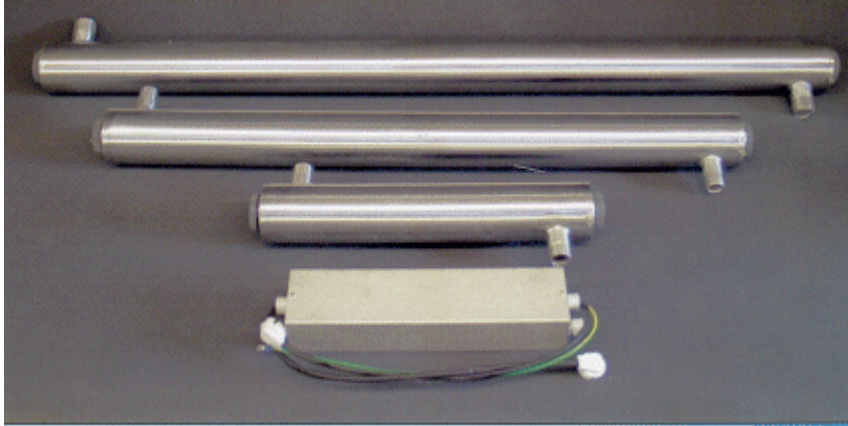


PROSEP FILTER SYSTEMS LTD

SS RANGE ULTRA VIOLET WATER DISINFECTION SYSTEMS



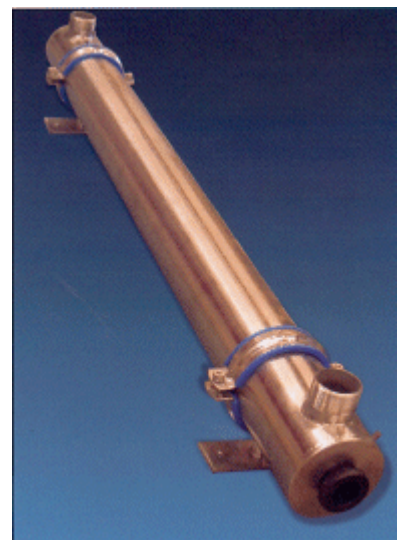
UV disinfection technology is widely used around the world to ensure safe water free from bacteria without the use of chlorine or other unpleasant chemicals, eliminating the risk of overdosing or imparting bad taste.

The SS range of ultra violet systems all utilise low pressure mercury vapour discharge lamps to produce ultra violet light at the 254 nm wavelength (UVC) which is lethal to micro-organisms. The stainless steel chamber incorporates a high purity quartz sleeve around the lamp. As water passes through the chamber, UVC light penetrates and destroys the cell structure of micro-organisms in the water.

Installation is simple, once fitted, the system requires no attention and only periodic maintenance. Due to efficient design and the use of high quality components, running costs are extremely low, and the lamp requires only annual replacement. The chamber is manufactured from hygienic 316L grade stainless steel ensuring strength, reliability and efficient hydraulic operation.

Typical Applications

- * Providing safe drinking water from wells, springs and other untreated supplies.
- * Incorporated into water filtration and treatment plants.
- * Fish farms, for the control of micro-organisms
- * Algae control in ponds and general aquatic use.



UNIT G19, RIVER BANK WAY, LOWFIELDS BUSINESS PARK,
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Product Selection

The selection tables below show the maximum flow rates using good quality water. For guidance on sizing, please contact us.

SINGLE LAMP CHAMBERS

| MODEL | SS15 | SS30 | SS55 | SS75 | SS1475 | SS1575 |
|--------------------------------|----------|----------|----------|----------|------------|------------|
| Lamp Power (Watts) | 15 | 30 | 55 | 75 | 75 | 75 |
| Maximum Flow Rate (Litres/min) | 9 | 23 | 37 | 56 | 117 | 152 |
| Lamp Life (Days) | 365 | 365 | 365 | 365 | 365 | 365 |
| Control Panel Options | Type A/B | Type A/B | Type A/B | Type A/B | Type A/B/C | Type A/B/C |
| Standard Connection (MBSP)* | 3/4" | 3/4" | 3/4" | 1" | 1 1/2" | 1 1/2" |
| Overall Length (mm) | 455 | 915 | 915 | 1220 | 1220 | 1220 |
| Maximum Pressure (bar) | 10 | 10 | 10 | 10 | 10 | 10 |

MULTI LAMP CHAMBERS

| MODEL | SS4855 | SS4875 | SS61055 | SS61075 |
|--------------------------------|--------|--------|---------|---------|
| Lamp Power (Watts) | 220 | 300 | 330 | 450 |
| Maximum Flow Rate (cu mtrs/hr) | 12.3 | 18.6 | 21.3 | 34.8 |
| Number of Lamps | 4 x 55 | 4 x 75 | 6 x 55 | 6 x 75 |
| Lamp Life (Days) | 365 | 365 | 365 | 365 |
| Standard Control Panel | Type C | Type C | Type C | Type C |
| Standard Connection (MBSP)* | 2" | 2" | 3" | 3" |
| Overall Length (mm) | 915 | 1220 | 915 | 1220 |
| Maximum Pressure (bar) | 10 | 10 | 10 | 10 |

Control Panels

Type A Stainless steel control box with lamp drive circuits. IP 40.
Type B Polycarbonate enclosure incorporating lamp driver circuit and LFM-T system panel for user configurable safety features. (lamp run/fail indicator pre-wired) IP 54.

Type C Epoxy coated steel enclosure with fully wired LFM-T system. IP 54.
 Designed for commercial applications.

LFM-T Lamp failure module. System monitor providing valuable safety features:- power indicator, lamp run/fail indicator, volt free contacts, auxiliary 230V AC alarm contacts.

Connections for optional:

* Hours run meter to monitor lamp life

* Solenoid valve (with manual override) to shut off water supply in the event of a lamp or power failure.

* Other connections and port sizes on request.

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