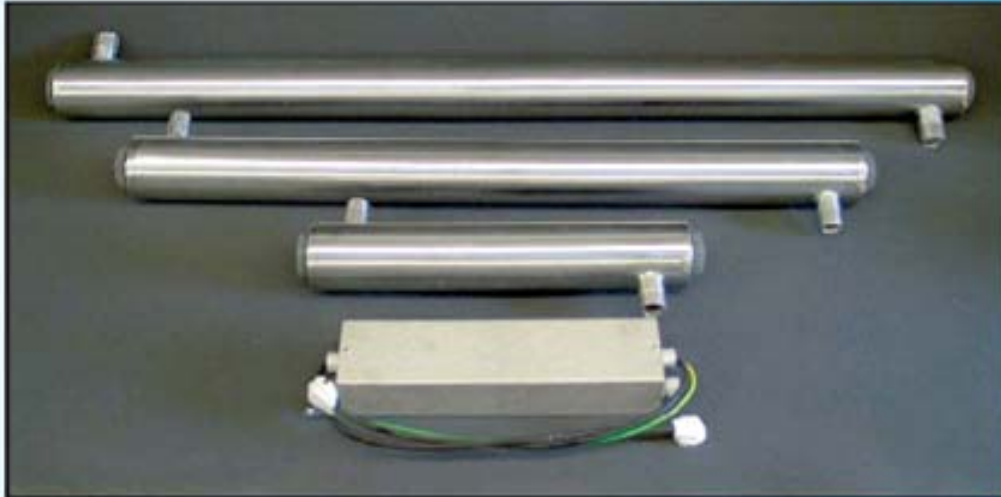


SS RANGE ULTRAVIOLET WATER DISINFECTION SYSTEMS



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, and 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.



SS1475

Product Selection

The selection tables below show the maximum flow rates using good quality water. For guidance on sizing contact your local distributor.

Single Lamp Chambers

Model	SS15	SS30	SS55	SS75	SS1475	SS1575
Lamp power (watts)	15	30	55	75	75	75
Maximum flow rate (litres/min)	8.3	23.5	39.5	58	127	166
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	4x75	6 x 55	6x75
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 driver 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.