

## UV STERILISATION: SAPHIRPLUS UV WATER DISINFECTION



The Saphir+ system is a compact, economical UV system that is designed with the consumer in mind with additional telemetry features. The Saphir+ system utilises commonplace single ended low pressure UV lamp technology, thus making the system not only economical for energy running costs, but also for replacement UV lamps. The single ended UV lamp also makes servicing the equipment very simple. All systems comply with international UV dose standards and are designed to meet these standards even at end of lamp life.

### STANDARD SAPHIR RANGE FEATURES

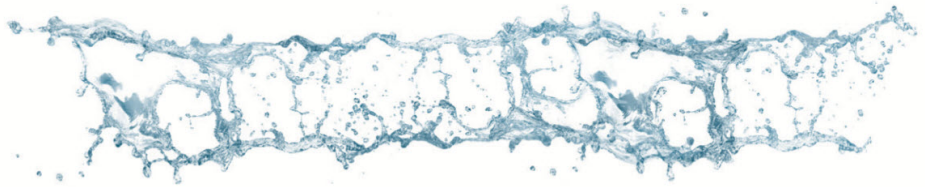
- WRAS approved product
- Water resistant power control module (IP55)
- Long life / high reliability UV lamp
- Maximum 10 bar working pressure
- Simple to install
- Lamp-On indicator
- Simple to service
- Electropolished chamber - optional

### ECONOMICAL

- Very low running costs
- Utilises commonplace UV lamps
- Designed for ease of installation and maintenance

### SAPHIR+ ADDITIONAL FEATURES

- UV Lamp Running Indicator
- UV lamp status
- Volt free contact output for remote indication
- Re-set switch for internal hour counter



**LAMP LIFE**

The typical lamp life for the Saphir range is 8760 hours, which equates to approximately one year.

**CONSTRUCTION**

The Saphir range is constructed from either 304 or 316 stainless steel and the units are designed to meet the stringent requirements of industry.

**POWER SUPPLY**

All of the standard units listed above require a 230V 50Hz single phase supply.

**FILTRATION**

It is important that sediment in the water does not obstruct the UV lamp. It is strongly advised that a 5 micron sediment pre-filter is fitted before the chamber to remove contamination. Lubron can advise and provide a compatible filter from stock to match the chamber capacity and propose corrective measures for other water problems.

**UV LAMP RUNNING INDICATOR**

The control box has a 'lamp running' indicator on the front panel display to show the correct operation of the lamp.

**SYSTEM STATUS INDICATOR**

A series of lamps give indication of the age and status of the UV lamp for ease of maintenance and replacement.

**CHOOSING YOUR SYSTEM**

The following table gives performance details on the Saphir range. To choose the correct unit simply match the application against the unit required. Please contact Lubron if in any doubt.

MODEL	Flow rate* 30mJ/cm <sup>2</sup>	Flow rate* 40mJ/cm <sup>2</sup>	Connection	Typical Application	Chamber length
Saphir 1	18 l/min	13.5 l/min	3/4" BSPM	Small Dwelling	405mm
Saphir 2	25.5 l/min	19 l/min	3/4" BSPM	Family House	554mm
Saphir 3	45 l/min	33 l/min	3/4" BSPM	Large Family House	554mm
Saphir 4	60 l/min	45 l/min	1" BSPM	Large Dwelling	962mm
Saphir 7	90 l/min	66.5 l/min	1" BSPM	Multiple Properties (Guest House)	962mm
Saphir 10	160 l/min	120 l/min	1 1/2" BSPM	Multiple Properties (Hotel)	962mm

\* Transmission = 98% per cm at end of lamp life. LUBRON UK LIMITED reserve the right to change equipment specification without prior notice, as part of our continuous product development programme.



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