

ULTRA VIOLET WATER DISINFECTION SYSTEMS

Presenting the DaRo UV Systems Saphir UV water disinfection system.

The Saphir system is a compact, economical UV system that is designed with the consumer in mind. 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.

DaRo UV Systems are specialists in ultraviolet disinfection and have been manufacturing systems for over 25 years.



STANDARD FEATURES

- Water Resistant power control module (IP55)
- Long life / High Reliability UV Lamp
- Minimum 10 Bar Working Pressure
- Simple To Install
- Lamp On Indicator
- Simple To Service
- Electropolished Chamber
- Commonplace UV Lamps

OPTIONS

- Lamp / Electrical Failure Indicator
 - UV Lamp Status Indicator
 - Volt free contacts
- Please see Saphir+ data sheet for further details

PERFORMANCE

- All systems comply with international UV dose standards.
- All units are designed to meet standards even at end of lamp life.
- All systems are WRAS (Water Regulations Advisory Scheme) approved and certified

ECONOMICAL

- Very low running costs – less than 5p per 24-hour period.
- Utilising commonplace UV Lamps.
- Designed for ease of installation and maintenance.

DaRo

UV SYSTEMS LTD

EXPERTISE

- Decades of experience in design and manufacture of UV disinfection systems
- Wealth of water treatment knowledge
- We are happy to help choose the correct systems to meet your requirements

QUALITY

- Products are designed, manufactured and tested in our modern manufacturing facilities in the UK
- Products are manufactured and tested in accordance with BSEN: ISO9001

APPROVED

- Our technology is a proven method of disinfection, approved by health specialists

WRAS
APPROVED
PRODUCT



SAPHIR

THE SPECIALISTS IN ULTRA VIOLET LIGHT
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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. If in doubt, please contact your local stockist or our head office

Type	Flow rate* 30mJ/cm ²	Flow rate* 40mJ/cm ²	Connection	UV lamp	Typical Application	Lamp life	Construction	Power supply	Chamber length
Saphir 1	18 L/min	13.5 L/min	3/4" male bsp thread	GER15SE	Small dwelling	8760 hours (Approx 1 year)	316 SS	240v 50hz single phase	405mm
Saphir 2	30 L/min	22.5 L/min	3/4" male bsp thread	GER25SE	Whole house (Family home)	8760 hours (Approx 1 year)	316 SS	240v 50hz single phase	554mm
Saphir 3	53 L/min	40 L/min	3/4" male bsp thread	GER25SEXO	Large dwelling (Family home)	8760 hours (Approx 1 year)	316 SS	240v 50hz single phase	554mm
Saphir 4	60 L/min	45 L/min	1" male bsp thread	GER36SE	Large dwelling	8760 hours (Approx 1 year)	316 SS	240v 50hz single phase	962mm
Saphir 7	118 L/min	90 L/min	1" male bsp thread	GER36SEXO	Multiple properties (Guest house)	8760 hours (Approx 1 year)	316 SS	240v 50hz single phase	962mm
Saphir 10	160 L/min	120 L/min	1.5" male bsp thread	GER36SEXO	Multiple properties (Hotel)	8760 hours (Approx 1 year)	316 SS	240v 50hz single phase	962mm

* Transmission = 98% per 1cm at end of lamp life

STAINLESS STEEL

Our stainless steel chambers have over 25 years of proven reliability. Our extensive range of 316 stainless steel chambers are designed to meet the stringent requirements of industry.

All units use high efficiency lamps, requiring only annual replacement.

FILTRATION

It is important that sediment in the water does not obstruct the UV light. We strongly advise that a 5-micron sediment pre filter is fitted before the chamber to remove contamination. DaRo UV systems have an extensive range of compatible filter units in stock to match the UV chambers capacity. We will be pleased to advise when choosing a unit and propose corrective measures for other water problems

LARGER UNITS

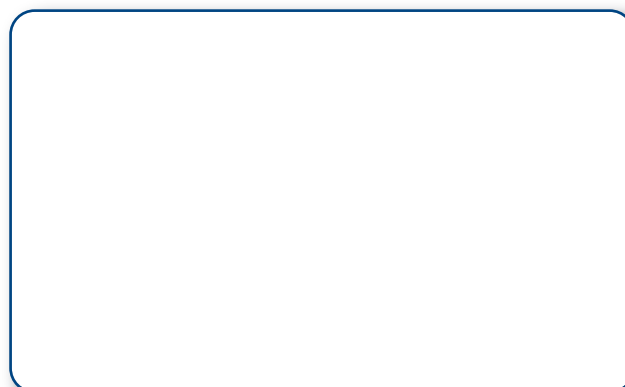
DaRo UV Systems can offer a range of larger standard units. Our expertise in design and manufacture enables us to tailor systems to specific site situations. The systems that we have manufactured are in regular use in a wide range of applications, from vending machines to municipal drinking water treatment.

DATA SHEETS

DaRo UV Systems strive to keep abreast of new developments in disinfection. Further datasheet information on specific applications is available, please contact us for further details.



STOCKIST



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