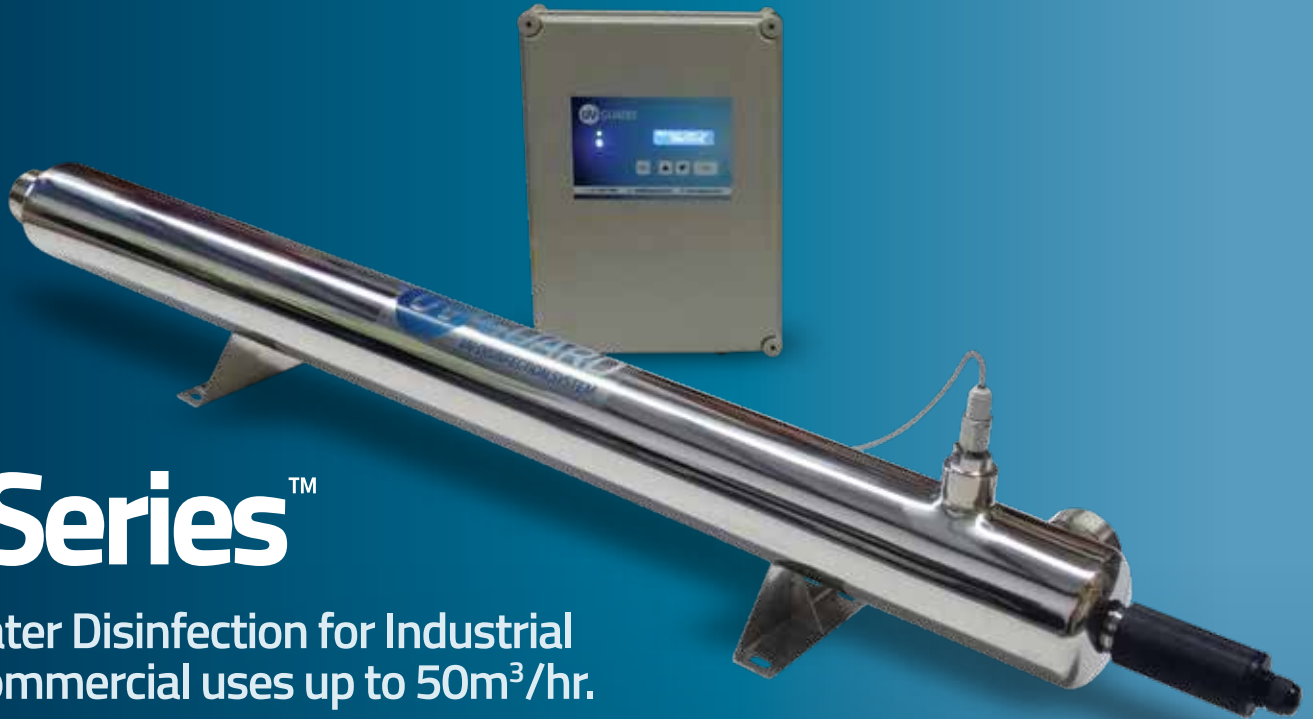




Commercial

UV-GUARD™

WATER & AIR PURIFICATION



S-Series™

UV Water Disinfection for Industrial and Commercial uses up to 50m³/hr.

The WaterMark certified S-Series is a robust and dependable UV water disinfection system. With 16 models in the range and a number of customisable features, the S-Series is an extremely versatile system.

Applications



Warm Water & Legionella



Aquaculture



Aquatics



Agriculture & Horticulture



Industrial & Manufacturing



Food & Beverage



Residential



Drinking Water



Wastewater



Rainwater



Stormwater



Medical & Pharmaceutical

Specific characteristics

- ✓ UV reactor WaterMark Level 1 certified
- ✓ 316 grade stainless steel UV reactor
- ✓ Available in BSP, tri-clamp or Table E flanged inlet and outlet connections
- ✓ Low pressure, low pressure high output or low pressure amalgam UV lamps
- ✓ View port for UVi sensor integration or UV lamp
- ✓ Variety of indoor and weatherproof controllers available
- ✓ Customisable features including UVi monitoring, lamp safety interlocking device, remote on/off, SMS fault module, reactor temperature safety system, Modbus module, fault volt free contacts, personalised software



Models

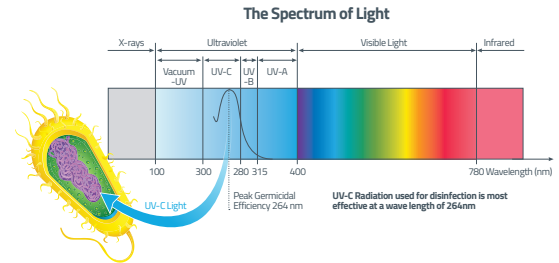
Model	Flow rate per UV Dose figure*		Connection	Lamp Power (W)	Dimensions (cm)
	40ml/cm ²	30ml/cm ²			
UVG S20	0.35 m ³ /hr	0.47 m ³ /hr	1/2", 3/4" male BSP	20	32l x 6.2w
UVG S30	0.91 m ³ /hr	1.21 m ³ /hr	3/4", 1" male BSP	30	59l x 6.2w
UVG S40-62	1.48 m ³ /hr	1.97 m ³ /hr	1" male BSP	40	97l x 6.2w
UVG S40-76	1.92 m ³ /hr	2.56 m ³ /hr	1", 1 1/2" male BSP	40	97l x 7.6w
UVG S55	2.95 m ³ /hr	3.93 m ³ /hr	1" male BSP	55	59l x 10w
UVG S40X2	3.73 m ³ /hr	4.97 m ³ /hr	2" male BSP	40 X 2	97l x 27w
UVG S80	3.74 m ³ /hr	4.99 m ³ /hr	2" male BSP	80	97l x 7.6w
UVG S75	4.22 m ³ /hr	5.63 m ³ /hr	1", 1 1/2" male BSP	80	97l x 7.6w
UVG S80-100	5.32 m ³ /hr	7.09 m ³ /hr	2" male BSP	80	97l x 10w
UVG S105	5.39 m ³ /hr	7.19 m ³ /hr	1", 1 1/2" male BSP	105	97l x 7.6w
UVG S125	5.98 m ³ /hr	7.97 m ³ /hr	2" male BSP	125	97l x 7.6w
UVG S80X2	7.49 m ³ /hr	9.99 m ³ /hr	2" male BSP	80 X 2	97l x 27w
UVG S172	8.11 m ³ /hr	10.81 m ³ /hr	2" male BSP	172	97l x 7.6w
UVG S125-100	8.46 m ³ /hr	11.28 m ³ /hr	2" male BSP	125	97l x 10w
UVG S160	9.65 m ³ /hr	12.87 m ³ /hr	2" male BSP	160	128l x 7.6w
UVG S245	11.10 m ³ /hr	14.80 m ³ /hr	2" male BSP	245	128l x 7.6w
UVG S172-100	11.45 m ³ /hr	15.27 m ³ /hr	2" male BSP	172	97l x 10w
UVG S125X2	11.90 m ³ /hr	15.87 m ³ /hr	2" male BSP	125 X 2	97l x 27w
UVG S160-100	13.67 m ³ /hr	18.23 m ³ /hr	2" male BSP, 3" Table E Flange	160	128l x 10w
UVG S172X2	16.22 m ³ /hr	21.63 m ³ /hr	2" male BSP	172 X 2	97l x 27w
UVG S160X2	19.30 m ³ /hr	25.73 m ³ /hr	2" male BSP	160 X 2	128l x 27w
UVG S245-100	21.49 m ³ /hr	28.65 m ³ /hr	2" male BSP, 3" Table E Flange	245	128l x 10w
UVG S245X2	22.20 m ³ /hr	29.60 m ³ /hr	2" male BSP	245 X 2	128l x 27w
UVG S440	28.84 m ³ /hr	38.45 m ³ /hr	3" Table E Flange	440	154l x 10w

*Flow rates calculated using 'UVCalc' software and are based on a UV transmittance (UVT) of 85% and a UV dose at the end of lamp life.

Controllers

Controller	Models	Features
Basic indoor controllers	S20, S30, S40, S40X2	Indoor use, lamp on/off LEDs, audible lamp fail alarm
	S75, S80, S80-100, S80X2	
Basic weatherproof controllers	S20, S30, S40, S40X2, S75, S80, S80-100, S80X2	Weatherproof IP65, lamp on/off LEDs
Digital indoor controllers	S20, S30, S40, S40X2, S75, S80, S80-100, S80X2, S105	Indoor use, digital lamp life timer, lamp on/off LEDs, audible lamp fail alarm, volt free alarm contacts
	S125, S125-100, S125X2, S160, S160-100, S160X2, S172, S172-100, S172X2	
Weatherproof PLCs	S20, S30, S40, S40X2, S75, S80, S80X2, S80-100, S105	Standard Weatherproof IP65, digital lamp life timer, lamp on/off LEDs, audible lamp fail alarm
	S125, S125-100, S125X2, S160, S160-100, S160X2, S172, S172-100, S172X2, S245, S245-100, S245X2, S440	Customised Lamp safety interlocking device, remote on/off, SMS fault module, reactor temperature safety system, Modbus module, volt free alarm contacts, personalised software and fascia, other features to suit

The powers of UV Disinfection



UV disinfection is a technology that uses Ultra-Violet light in the germicidal wavelength range between 200 and 300 nanometers. The optimum UV wavelength for UV disinfection is 264 nanometers which is located within the UV-C spectrum.

When microorganisms are exposed to germicidal wavelengths, they are destroyed outright or rendered incapable of reproducing. The high energy associated with UV-C UV light is absorbed by the DNA of bacteria, viruses, spores and other pathogens. This absorption causes abnormalities within the DNA to occur, resulting in the microorganism being incapable of reproducing and infecting.