

Description

UV water disinfection system.

For the disinfection of clean water to meet relevant water standards.

Technical Description

Single centred low-pressure lamp UV System.

UV lamp and quartz sleeve removable from either end of chamber.

Main Applications

- Private drinking water supplies
- Process water
- Water cooling supplies
- Legionella growth in warm water supplies

Standards

Water regulatory advisory service (WRAS) approved (1407340)

Kiwa UK Approval (1905730)

Temperatures

Standard water temperature: 5-23°C

Temperature range: 0-60°C

Flow Rates

	ECO 1	ECO 2	ECO 3	ECO 5
	l/m	l/m	l/m	l/m
30mJ/cm ²	10.8	27.5	46.7	70.0
40mJ/cm ²	8.3	20.8	35.0	55.0

Flows based on a UV transmission level of 98%.

All flows are calculated at end of lamp life time.

Please contact us for further information regarding flow rates.



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Systems designed and manufactured by Daro UV in the UK

Technical Data Sheet

ECO Series

Model	ECO 1/15	ECO 2/30	ECO 3/55	ECO 5/55
Certification - WRAS approved	✓	✓	✓	✓
Certification - Kiwa approved	✓	✓	✓	✓
UV chamber				
Material - 304 stainless steel	✓	✓	✓	✓
Internal/external finish - cleaned/polished	✓	✓	✓	✓
Lamp access - double ended	✓	✓	✓	✓
Quartz sleeve type - high purity silica quartz	✓	✓	✓	✓
Mounting - integral fixing bracket	✓	✓	✓	✓
Connection size - inches	0.75	0.75	0.75	1.0
Connection type	Male BSP thread	Male BSP thread	Male BSP thread	Male BSP thread
Dimensions - refer to general arrangement drawing				
Reactor volume approx - litres	1.6	3.5	3.5	6.3
Total weight (dry) - kilograms	1.9	3.1	3.1	5.0
Operating pressure (max) - bar	10	10	10	10
Protection class (IP)	3X	3X	3X	3X
Installation - horizontal/vertical	✓	✓	✓	✓
Features - lamp on indicator	✓	✓	✓	✓
UV lamp				
Type	GER15	GER30	GER55	GER55
Lamp design - double ended bi pin	✓	✓	✓	✓
Lamp power - watts	15	30	55	55
UVc output @ 254 nm - watts	4.9	12	17.5	17.5
Quantity	1	1	1	1
Lamp life - hours	8760	8760	8760	8760
Control panel				
Material - 304 stainless steel	✓	✓	✓	✓
Dimensions (W x H x L) - millimetres	49 x 32 x 288	49 x 32 x 288	49 x 32 x 288	49 x 32 x 288
Weight - kilograms	0.95	0.95	0.95	0.95
Mains power - VAC / PH / Hz	220-240 / 1 / 50-60	220-240 / 1 / 50-60	220-240 / 1 / 50-60	220-240 / 1 / 50-60
Power consumption - watts	18	33	50	50
Protection - 3A mains fuse	✓	✓	✓	✓
Protection class	IP3X	IP3X	IP3X	IP3X
Lamp power supply - electronic ballast	✓	✓	✓	✓



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