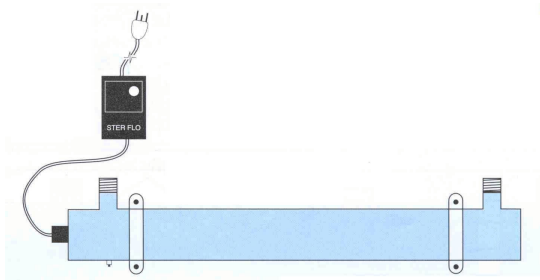


SF ULTRA-V



Domestic and commercial UV system - datasheet

SF2500

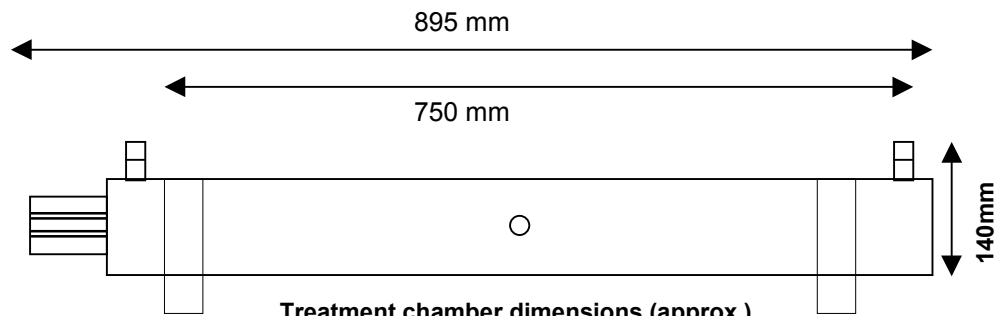


Treatment chamber	Material	304 stainless steel
	Number of lamps	2
	Number of sleeves	2
	Sleeve material	High purity quartz
	Number of O rings	4
	O ring material	EPDM rubber
	Viewing port	Standard
	Inlet and outlet size	40mm standard (25/40mm optional)
	Connection type	bsp male thread
	Max. pressure	850 kPa (125 psi)
	Design flow (clean water)	20,000 L/hr
	Minimum flow	Nil
	Design lamp life	6500 hours
Head loss	<0.5 metres	

Electrical	Voltage/frequency (standard)	230-240V/50Hz
	Options	110V/60Hz, 220V/60Hz
	Power consumption	170 Watts
	Lamp power	65 Watts
	Fuse	3A
	RCD plug	Optional

Power supply	Enclosure dimensions (WxHxD)	280 x 340 x 130mm
	Protection rating	For use under cover
	Material	GRP
	Mains on indicator	Red
	Hours counter	Optional
	Volt free remote alarm contacts	Standard, 5A rated
	Audible lamp failure alarm	Standard

Misc	Control panel weight	3kg
	Chamber weight	6kg
	Mounting brackets	Standard
	Interconnecting cable supplied	1m standard



SF series - description

The design of the SF series of UV sterilisers is intended to provide many years of reliable operation at an economical price. The treatment chambers are usually 304 stainless steel (316 is available to order) with the option of plastic (369/900/1000 models only) for seawater applications. A range of options is available to customise the system but the basic specification is suitable for domestic, marine, farm and light commercial use.

Operating regime

The UV system is designed for continuous operation treating cold water at any flow from zero up to the design flow rate. Extended periods of zero flow are not harmful as long as the treatment chamber is full of water. Allow 2 minutes warm up from switching on before starting flow. Allow 48 hours operation for a new lamp to develop full output.

Treatment chamber

The range is suitable for potable water and food industry use. All wetted components are FDA listed. Lamps are single ended for ease of servicing and connection. Disassembly for quartz sleeve cleaning is quick and user friendly with positive sealing of the sleeves.

Power supply

Construction is GRP, and should be mounted in a dry location. 1 metre of lead to the lamp is provided, other lengths are made to order.

Installation

1 Installation can be horizontal or vertical and piping should be arranged so that the unit stays full of water. If horizontal the inlet and outlet should point upwards, if vertical the inlet should be at the bottom. Mounting brackets are provided. Customised designs are available to order.

2 Leave space to remove the lamp.

3 Do not use PVC piping for the immediate connections to the treatment chamber. PVC is damaged by UV at germicidal wavelengths.

4 For full installation details refer to instructions provided with the unit.

Warning: UV light is harmful to eyes and exposed skin. A safety notice is included with the operating instructions