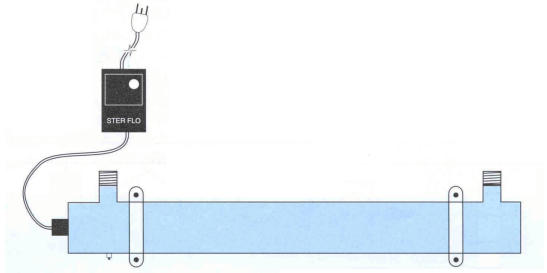


SF ULTRA-V

Domestic and commercial UV system - datasheet

PART # SF940

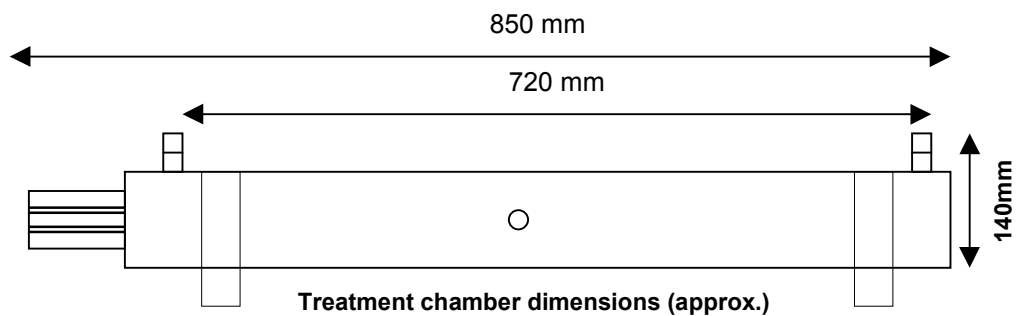


Treatment chamber	Material	304 stainless steel
	Number of lamps	1
	Number of sleeves	1
	Sleeve material	High purity quartz
	Number of O rings	2
	O ring material	EPDM rubber
	Viewing port	Optional
	Inlet and outlet size	25mm standard (20/40mm optional)
	Connection type	bsp male thread
	Max. pressure	850 kPa, (125 psi)
	Design flow (clean water)	75 L/min
	Minimum flow	Nil
	Design lamp life	9000 hours
Head loss	<0.5 metres	

Electrical	Voltage/frequency (standard)	230-240V/50Hz
	Options	110V/60Hz, 220V/60Hz
	Power consumption	55 Watts
	Lamp power	40 Watts
	Fuse	1A
	RCD plug	Optional

Power supply	Enclosure dimensions (WxHxD)	205 x 110 x 60mm
	Protection rating	For use under cover
	Material	Epoxy painted steel
	Mains on indicator	Orange
	Visible alarm indicator	Red
	Hours counter	Optional
	Volt free remote alarm contacts	Optional, 5A rated
Audible lamp failure alarm	Standard	

Misc	Control panel weight	1.5 kg
	Chamber weight	4 kg
	Mounting brackets	Standard
	Interconnecting cable supplied	1m standard



SF Ultra-V 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. A range of options is available to customise the system but the basic specification is suitable for domestic, farm and light commercial use.

Operating regime

The SF Ultra-V 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 24 hours operation for a new lamp to develop full output.

Treatment chamber

The SF range is suitable for potable water and food industry use. All wetted components are USDA 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 epoxy coated steel. The power supply 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.

2 Leave space to remove the lamp.

3 Do not use PVC piping for the immediate connections to the treatment chamber. UV damages PVC 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