



POINT-OF-ENTRY ULTRAVIOLET DISINFECTION

SovSafe SW-24

A stainless-steel UV sterilizer for large residences and light commercial sites — villas, boutique hotels and cafés. Inactivates up to 99.9% of bacteria and viruses at the DNA level with 100% physical disinfection, no chlorine or chemicals.

99.9% INACTIVATION

CHEMICAL-FREE

SWU-SS-24



WHY SPECIFY IT

Biological safety, chemical-free.

Reliable UV disinfection for higher-demand, multi-point systems. A high-purity quartz sleeve and stainless-steel chamber deliver stable UV-C dosing without altering the taste, odour or mineral content of the water.

**99.9% inactivation**

Neutralises bacteria and viruses at the DNA level for dependable microbiological protection.

**100% physical treatment**

No chlorine or chemical additives — water's natural taste, odour and beneficial minerals are preserved.

**9,000-hour lamp life**

Durable stainless-steel housing with an annual lamp change — long-term performance, minimal maintenance.

99.9%
INACTIVATION**5.4m³/h**
MAX FLOW RATE**9,000_h**
LAMP LIFE**1.5"**
CONNECTION

UV-C

DNA-level disinfection

Physical disinfection, no chemicals

UV-C energy penetrates microorganisms and disrupts their DNA, inactivating up to 99.9% of bacteria and viruses as water passes through the chamber — with no chlorine or chemical additives, preserving the natural taste, odour and mineral content. Requires clear, mechanically pre-filtered water for full effect.



SPECIFICATIONS

Technical detail.

Product code	SWU-SS-24	Power supply	230 V · 50 Hz
Datasheet ref	SWU-SS24-26-R0	Power consumption	85 W
Type	UV-C sterilizer	UV lamp type	T585
Maximum flow rate	5.4 m ³ /h	Lamp life	9,000 h · ~1 yr
Connection	1.5"	Ballast	Electronic
Max inlet pressure	8 bar	Sleeve	High-purity quartz
Operating temperature	+4 ... +30 °C	Disinfection	99.9% at DNA level
Housing	Stainless steel	Chemical dosing	None

System components

Included

Stainless-steel housing assembly · high-purity quartz sleeve · UV emitter (T585) · electronic ballast power supply.

Source water requirements

Max

Turbidity	≤ 0.58 mg/L
Hardness	≤ 125 mg/L
Iron	≤ 0.3 mg/L
Manganese / H ₂ S	≤ 0.05 mg/L

HOW IT WORKS

From mains to tap.

01

Mains supply

02

Mechanical pre-filtration

03

UV-C chamber

04

Disinfected water out

SCOPE OF SUPPLY

What we provide.

- ✓ SovSafe SW-24 stainless-steel UV sterilizer
- ✓ High-purity quartz sleeve & T585 UV emitter
- ✓ Electronic ballast power supply (230 V)
- ✓ 1.5" inlet / outlet connection fittings
- ✓ Annual replacement lamp (T585, sold separately)
- ✓ Optional Comprehensive Maintenance plan

Installation requirements

Max inlet pressure	8 bar
Operating temp	+4-+30 °C
Pre-filtration	Required

COMMERCIAL · BY QUOTE

REQUEST A QUOTE

Specify the SovSafe SW-24 for your site.

British-engineered, European-manufactured. UK · Middle East · Europe.

+44 20 8050 2115

sales@sovereignwater.co.uk

124 City Road, London EC1V 2NX