



# SABRE

## UV DISINFECTION SYSTEMS



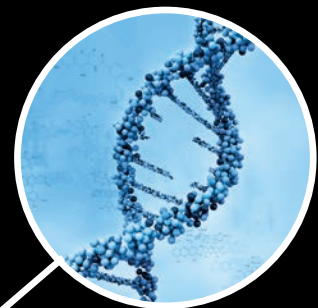
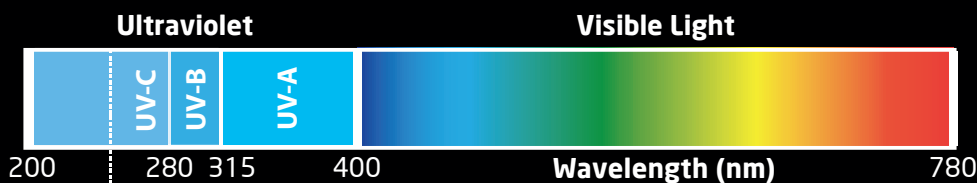
## SABRE Quality

**High quality stainless steel UV systems from SPECTRUM** provide assurance of safe water due to their high dosage rates of 30mj/cm<sup>2</sup>. Whether the water source is from mains supply, borehole, well or river, microbiological contamination can be treated with Ultraviolet light.

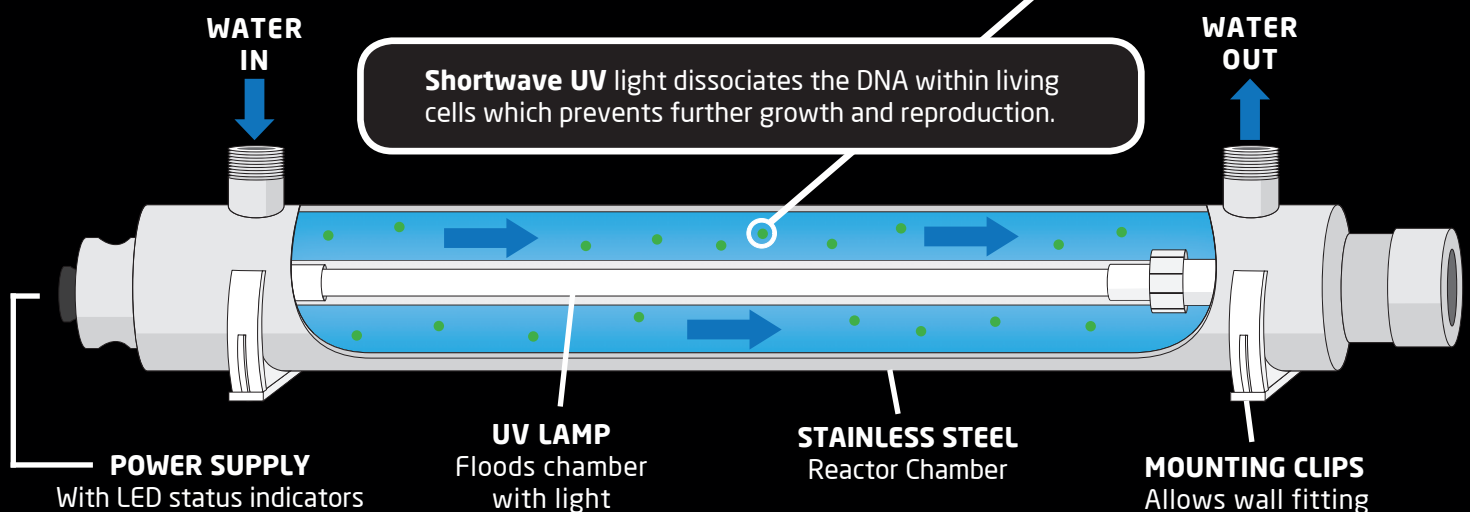
## How UV Works

**UV light is effective against** contaminants such as bacteria, viruses, mould spores, algae and other micro-organisms as it prevents growth and reproduction. If left untreated, these organisms remain in the water and produce a bio-film coating throughout the water system which harbours more bacteria and makes the water less safe to use or drink.

### Electromagnetic Spectrum

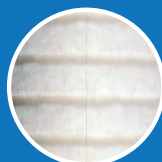


**Shortwave UV** light dissociates the DNA within living cells which prevents further growth and reproduction.



## Nowhere to Hide - Pre-filtration

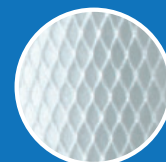
**It is recommended** that pre-filtration is carried out to a level of 5 micron before the UV system. This removes visible particulate and reduces the 'shadowing' effect whereby organisms can be protected from the light by the presence of dirt, sediment and debris.



**TruDepth**  
Spun Filter



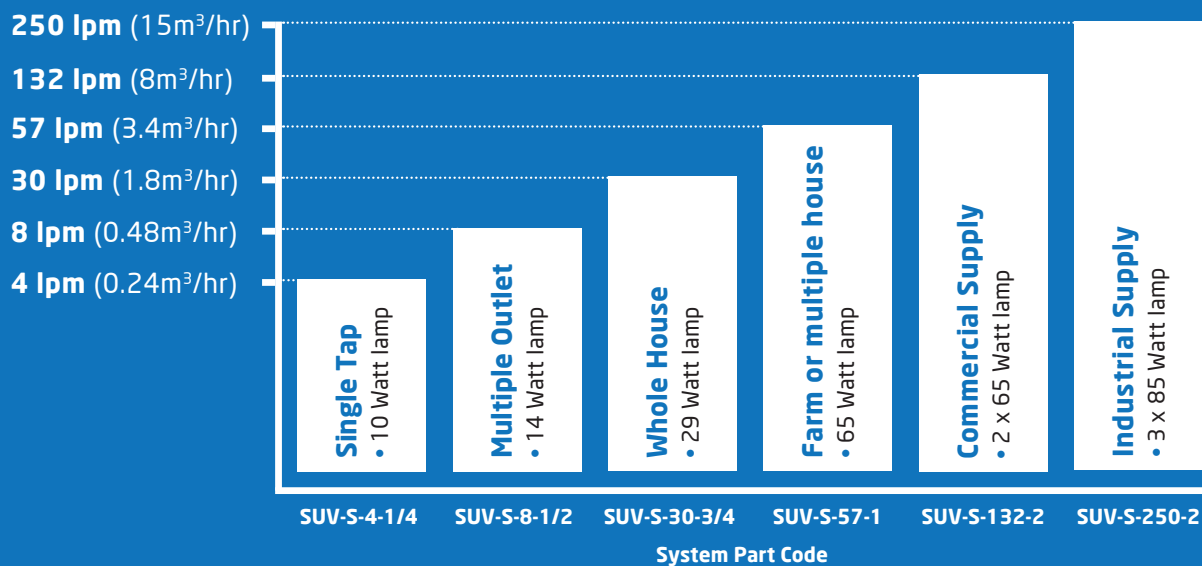
**Pleat²**  
Pleated Filter



**870 Carbon**  
Block Filter

# PRODUCT SELECTOR CHART

Flow Rate (for 30mj/cm<sup>2</sup> dosage)



SUV-S-4-1/4



SUV-S-57-1



SUV-S-8-1/2



SUV-S-132-2



SUV-S-30-3/4



SUV-S-250-2

## Standard Range Specifications

Ordering Code	SUV-S-4-1/4	SUV-S-8-1/2	SUV-S-30-3/4	SUV-S-57-1	SUV-S-132-2	SUV-S-250-2
Flow rate/lpm (m³/hr)	4 (0.24)	8 (0.48)	30 (1.8)	57 (3.4)	132 (8)	250 (15)
Voltage V/Hz	100-240/50-60	100-240/50-60	100-240/50-60	100-240/50-60	100-240/50-60	100-240/50-60
Lamp Power/W	10	14	29	65	2 x 65	3 x 85
Port size/BSP M (")	¼	½	¾	1	2	2



## Parts List

System	SUV-S-4-1/4	SUV-S-8-1/2	SUV-S-30-3/4	SUV-S-57-1	SUV-S-132-2	SUV-S-250-2
Lamp	SUV-S-4LAMP	SUV-S-8LAMP	SUV-S-30LAMP	SUV-S-57LAMP	SUV-S-57LAMP	SUV-S-250LAMP
Quartz Sleeve	SUV-S-4SLEEVE	SUV-S-8SLEEVE	SUV-S-30SLEEVE	SUV-S-57SLEEVE	SUV-S-57SLEEVE	SUV-S-57SLEEVE
O-ring	SUV-ORING-SILICONE	SUV-ORING-SILICONE	SUV-ORING-SILICONE	SUV-ORING-VITON	SUV-ORING-VITON	SUV-ORING-VITON
Ballast	SUV-S-4BALLAST	SUV-S-4BALLAST	SUV-S-30BALLAST	SUV-S-57BALLAST	SUV-S-132BALLAST	SUV-S-132BALLAST



# ULTRAFILTER

**THE SCANDINAVIAN FILTRATION PARTNER**

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**[www.ultra-filter.com](http://www.ultra-filter.com)**



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 **CS INSTRUMENTS**

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