



Application

UV Technology's Log5 – 500 Surface Mounted Air Steriliser has been developed for use in the prevention of cross contamination in laboratories, hospitals and food manufacturing environments.

Destroys airborne bacteria, moulds and spores and eliminates odours.

Suitable for all microbiological, food testing, food manufacturing and pathology laboratories and Hospital wards.

Use of the unit ensures better compliance with "Good Laboratory Practice".

For optimum risk reduction employ 6 air changes per hour in high-risk environments and 4 changes per hour in low risk areas. Contact UV Technology if assistance is required for planning full coverage.

Features

- Built around the revolutionary CCFT™ - Close Coupled Field Technology.
- Complete destruction of air-borne pathogens and bio-hazards and removal of particulate.
- Final H.A.F. filter system removes particulate below 0.1 micron and significantly outperforms conventional HEPA systems.
- Assists with proactive environmental protection policy in line with BSI S.O. 17025.
- NHS Category 6 Approved.
- High Efficiency single-speed fan motors deliver up to 434 cfm (760 m³/hr)
- Higher airflow rate than H.E.P.A. or UV means faster and more effective kill rates.
- Simple ductless installation and user friendly filter change procedure.
- Log 5 equipment - Case coated in HSE approved 'bacteria static' poly epoxy powder.

Specifications

Model:

500 series Air Steriliser: Surface mounting
Air sterilised with patented "Closed Coupled Field Technology"
Post filtration for detritus removal using H.A.F. filtration

Electrical Ratings:

220/240V, 50Hz Single Phase
Fuse Rated at 3.15 Amps
Power Consumption 25 watts

Effective Kill Rates (Single Pass):

Bacteria, Mould & Spores Log >5 reduction; Viral >Log 10 reduction

Electrical Connection:

Switched fused IEC inlet on underside of Unit

Construction & Colour:

Laser cut, fabricated and welded steel
Case finished in 'Bacteriastatic' epoxy powder - Food safe

Air Volume Treated:

500 m³/hr Clean Air Delivery Rate
790 m³/hr Free Air

Specifications**Dimensions:**

Height 300 mm

Width 300 mm

Depth 200 mm

Weight:

Unit + Bracket: 5.5 kgs

Positioning:

On any surface

If vertical, at least 0.5m below ceiling surface (to promote airflow)

Near suitable source of power

Mounting bracket requires 2 screws or appropriate fixings

Control System:

On/Off switch fitted on underside of Unit.

Illuminated power On/Off switch located within the connector

Sound Levels:

44 - 49 dBA (1 metre)

Approvals:

Manufactured from components conforming to: CE, VDE, BEAB, UTE, CSA & UL. EN 60335-1, EMC 50081-2, 55014, 55022, EC38

Approved to NHS Category 6

Replacement Parts:

SF 0225/WAT 4 x Bi-media Black WAT outer filter (one required per change 3 monthly)

SF 0225/HAF 4 x High Air Flow CCFT filter 0.01 micron (one required per change 3 monthly)

Service Requirements:

Housekeeping - Unit can be dusted and dry wiped as part of location hygiene regime.

Monthly - User change of H.A.F. filter – 2 minute procedure – in high risk locations treat used filter as clinical waste.

Yearly - Service for internal parts cleaning.