



POSS™

POSS PS-040 LA/LB Models - High Performance & Compact Technical Data Sheet

POSS™ PS-040LA and LB Models are ideally suited for the Airborne Surface Disinfection of small to medium-sized critical areas. Its innovative Supermicellar Fogging (SF) technology generates ultra fine 1-3 micron sized microdroplets, which allows the significant advantage of rapid dispersion of the fog throughout the area and quick transition into a vapour phase hydrogen peroxide using **SPRAY OXY PAE™**.

PS-040LA mains powered or PS-040LB rechargeable battery operated options are available to maximise flexibility of use.


Versatile and cost effective but without compromising on quality or efficacy.



With easy customisable programming and low maintenance, it can be relied upon to deliver optimum results in the most demanding of applications.

Compliant with EN17272: 2020

 Maximum volume treated: **100m³**

 Device flow: **1000ml/hour**

 Refill volume: **2L**

 Weight: **13kg**

 Dimensions: **492 x 290 x 342mm**



POSS™

High performance

Designed to deliver

POSS™ PS-040LA/LB is an Airborne Surface Disinfection unit built around a patented Supermicellar Fogging (SF) diffusion system that achieves vapour-equivalent disinfection efficiency levels using our 7.4% pure hydrogen peroxide formula **SPRAY OXY PAE™**.

The equipment is designed for ease of operation through its intuitive LCD screen and versatile programming options that automatically ensure optimum decontamination conditions are met throughout the cycle. It has the capability of storing multiple programmes for future use and the security of password protection. Data for all key disinfection cycle parameters can either be saved to a USB or sent directly to a printer.

Supermicellar Fogging System

This advanced technology uses ultrasonic vibrations to generate ultra fine and accurately controlled size droplets of between 1 and 3 microns that are dispersed using a specially designed internal fan mechanism. Their high surface tension means they do not break when coming into contact with solid surfaces thus avoiding condensation or wetting and preventing corrosion. Being small and light, these microdroplets diffuse rapidly through the area being decontaminated, vaporising quickly to maximise the disinfection power of the hydrogen peroxide even at low concentrations.

Value for money, built to last

The low maintenance needs and robust construction of the **POSS™ PS-040LA/LB** using clean room compatible materials make it a cost effective solution for the decontamination of critical environments.

Areas disinfected with **POSS™ PS-040LA/LB** and **SPRAY OXY PAE™** can be put back into service immediately after treatment with no additional rinsing procedures.

Eco-friendly and safe

The disinfectant **SPRAY OXY PAE™** does not contain any adjuvant or organic residue. The disinfection cycle ends with complete degradation into free oxygen and water, without leaving any surface residue. **SPRAY OXY PAE™** is a biocide type TP2 and TP4 according to European Biocide Regulation 2009/107 / EC containing 7.4% peroxide hydrogen. It can also be safely used on surfaces to be in direct contact with foodstuffs.



Characteristics

Robust and low maintenance

Stainless Steel 304L Body

Highly portable. Optional storage case for protection between use.

Used as directed is compatible with all normal cleanroom materials & equipment

Multiple POSS machines and models can be used for large or complex spaces.

Features of the device

Full and customisable data retention capabilities with printer connection potential, optional remote control and hydrogen peroxide sensor attachment to provide real time data.

Dimensions: 492 x 290 x 342mm

Mains powered AC 220V
PS-040LA (mains adapter)
PS-040LB (battery charging)

Typical Application areas

Passrooms

BSL3 and BSL4 laboratories

Microbiology and QC laboratories

Research facilities

Small to medium critical manufacturing areas