

Bioquell | L-3



- **Multi-purpose hydrogen peroxide vapour (HPV) generator delivering 6-log bio-decontamination**
- **Suitable for enclosures including pass-through chambers and isolators**
- **Optional room distribution head for rapid bio-decontamination of rooms/zones up to 100m³***

The Bioquell L-3 is a versatile and robust hydrogen peroxide vapour (HPV) generator. Providing enhanced HPV delivery via a simple user interface with touch panel controls. Designed to safely bio-decontaminate a wide variety of enclosures including biological safety cabinets, laboratories, isolators and freeze driers.

The Bioquell L-3 utilises patented 'dual circuit' technology, minimising hydrogen peroxide usage whilst delivering the optimum amount of sterilant for a fast and reliable 6-log deactivation of viruses, fungi, bacteria and moulds.

A communications port allows integration to a building management system (BMS) or other related systems/equipment. The 'data logging' option allows data export into Excel and Yokogawa Data Logger format. The system comes with multiple language options.



Image 1. Optional room distribution head



Image 2. Simple menu driven touch panel controls



Image 3. Safe and secure bottle loading mechanism

Technical specification

Physical and safety data

Dimensions (WxHxD)

515 x 1135 x 705mm
(19.1 x 44.7 x 27.8in)

Weight

74.5kg (164.2lbs)

Locking brake

(2x) castor lock

Vapour hoses and connectors

1.5in nominal bore
1.5in male/female camlock couplings

Operating data

Temperature limits

Starting 15-30°C (59-86°F)
Storage and operating 0-35°C (32-95°F)

Relative humidity limits

Starting 80% max¹
Storage and operating 80% max
non-condensing

Hydrogen peroxide liquid

30-35% w/w Bioquell approved supply only²
(Fits approved 500ml and 1L bottles)

Power data

Requirements

230V AC, single phase, 50/60Hz, 6A
120V AC, single phase, 50/60Hz, 12A
100C AC, single phase, 50/60Hz, 15A

Consumption

1.44kW (max)

Supply

Installation category II

¹ If requiring to operate outside this range refer to Bioquell or its agents

² For a full hydrogen peroxide specification please contact Bioquell or its agents

Key features

The Bioquell L-3 includes a colour touch panel, GAMP compliant software and an integral thermal paper printer. It is a compact and highly portable design with an easily cleanable external surface. There is a remote start/stop and volt-free contacts for external signals. Connection is simple with flexible supply/return hoses and pressure monitoring tube. There is also a cycle edit and store facility for new applications.

The Bioquell L-3 is effective against a wide range of microorganisms, utilising 30-35% w/w Bioquell hydrogen peroxide solution in 500ml or 1L sizes. This allows multiple cycles without intervention.

Operation

Easy to operate with safe bottle loading, built-in drip tray and wipe clean mechanism. Touch sensitive panel provides an easy to use user interface. Software has built in warning alarms. Each stage of the cycle can be recorded. The thermal printer enables hard copy data recording.

Optional accessories include:

- Remote control with room gassing distribution head
- Sensor pack - integrated hydrogen peroxide vapour sensor
- Data logging and archive with USB interface
- Hand-held HPV detector
- External aeration/catalyst unit to reduce cycle times further
- Supply/return hoses 0.5-3m long

*Subject to room layout and configuration

Validation and service

Fully validatable to comply with requirements of GMP using GAMP compliant software. Bioquell provides complete service including:

- Installation and integration
- Preventative maintenance plans
- Extensive field-based service engineer network
- IQ/OQ/PQ documentation and execution
- Bio-decontamination cycle development services

Your local distributor:

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