

Bioquell | QUBE



- **Flexible, modular aseptic processing workstation in convenient configurations**
- **Air cleanliness ISO 5/Grade A working environment with integrated Bioquell HPV 6-log bio-decontamination**
- **'Ready when you are' with efficient cycles for pharmaceutical and life sciences applications**

Undertake aseptic processing in a Bioquell QUBE, a cost-effective modular workstation with built-in hydrogen peroxide vapour (HPV) bio-decontamination.

The Bioquell QUBE modules allow a variety of configurations that tailor the workspace to the needs of the specific process. The combination of unidirectional airflow and an ISO 5/Grade A working environment with rapid HPV bio-decontamination ensures the Bioquell QUBE is suitable for applications such as pharmacy compounding, sterility testing, and many others. Performance is assured by using Bioquell's hydrogen peroxide reagent.

Using the latest manufacturing techniques, the Bioquell QUBE delivers rapid bio-decontamination to a 6-log microbial reduction. It offers a high-level of security for both operator and samples.

The Bioquell QUBE has been ergonomically designed to maximise operator comfort and accessibility. With a 'plug and play' philosophy using pre-engineered modules, pre-validated decontamination cycles and ease of use via touch panel control, the Bioquell QUBE will be productive in the shortest possible time.



Image 1. Bioquell QUBE HPV bio-decontamination chamber with extension module, sterility test unit and materials transfer device



Image 2. Intuitive colour touch panel controls for ease of use

Technical specification (single unit with HPV technology)

Physical and safety data

Dimensions (WxHxD)

Overall External:
1360 x 2329 x 843mm
(53.5 x 91.7 x 33.2in)
Inside Chamber¹:
1100 x 750 x 540mm
(43.3 x 29.5 x 21.3in)

Weight

350kg (772lbs)

Operating data

Hydrogen peroxide liquid

30-35% w/w Bioquell approved supply only²
(Fits UN approved 150ml bottle with RFID)

Air quality

ISO 14644-1 Class 5
(EU GMP Annex 1 Grade A)

Airflow

Unidirectional 0.35m/s airflow at
working height

Power data

Requirements

230V AC, single phase, 50/60Hz 5.7A
120V AC, single phase, 50/60Hz 10.9A
100V AC, single phase, 50/60Hz 13.0A

Consumption

1300W (max)

Supply

Installation category II

¹ Internal chamber shape is irregular and may affect the overall working volume. Please contact Bioquell for more information.

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

Key features

A modern ISO 5/Grade A chamber with unidirectional airflow that includes pneumatic seals with pressure monitoring for repeatable chamber integrity and glove ports with safe change gloves. It also includes a high definition colour touch panel with intuitive icon driven interface and RFID (radio frequency identification) enabled hydrogen peroxide filling for operator convenience and safety.

Chamber pressure can be controlled from +100Pa to -100Pa and there is a built-in aeration capability with every module for fast decontamination cycles, engineered to keep noise levels low. A 316 grade stainless steel level floor has been provided throughout the system. An integral thermal paper printer records the bio-decontamination cycle and key GMP parameters.

Ergonomically designed, the Bioquell QUBE provides an integrated footrest and foot switches for door activation. Designed to be used in a seated position facilitating operator comfort during long process times.

Options

- Integrated sterility test pump*
- Integrated environmental monitoring packages including viable and continuous particle monitoring
- Externally ducted with room pressure balancing
- Integrated sleeve & glove leak tester
- Tri-clover services inlet

Optional accessories include

- Sterility test racking
- Height adjustable stool
- Bioquell prescription separation system

*Millipore Equinox Isofit

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Image 3. Pre-filled high quality Bioquell HPV-AQ hydrogen peroxide solution offers optimal performance and safety.

Validation and service

Optional 6 or 12 month service intervals are available in order to meet regulatory requirements and scheduled programmes. IQ/OQ is provided as standard with optional validation services such as PQ and gassing cycle development. Additional user training programmes are also available upon request.

Your local distributor: