

Bioquell | C2C-1

EXTERNAL HPV



- **Transfer chamber designed for hydrogen peroxide vapour (HPV) bio-decontamination**
- **Ideal for controlled zone-to-zone transfer via an interlocked bio-decontamination process**
- **Easy to operate, providing fast and reliable bio-decontamination cycles**

The Bioquell C2C-1 is an easy to use cart-to-cart transfer chamber that incorporates the Bioquell hydrogen peroxide vapour (HPV) bio-decontamination process. It includes a rail system and carriage for load support movement which aligns with specially designed loading/unloading carts, facilitating a smooth and easy transition of materials in and out of the chamber.

The Bioquell C2C-1, when connected to an external Bioquell HPV generator unit, can provide the HPV delivery and control via a simple touch panel user screen. Inside the chamber, 'point contact' supports help facilitate effective sterilisation of all surfaces within a load. Complete kill to 6-log microbial reduction standards can be achieved and easily verified using either biological or chemical indicators (also available from Bioquell). An integrated catalyst for HPV removal in the aeration phase also helps to deliver fast bio-decontamination cycles.

The Bioquell C2C-1 is ideal for use in GMP regulated, or non-regulated areas including food manufacturing/processing, laboratories, biomedical facilities, biosafety/biosecurity areas and healthcare facilities.



Image 1. Specially designed easy to use colour touch panel controls



Image 2. Bioquell's cart-to-cart system allows for a smooth and safe transfer of materials



Image 3. Selectable interlock priority points are available for safe entry and exit

Technical specification

Physical and safety data

Internal dimensions¹:
Width: 600 or 900mm
(23.6 or 35.4in)

Depth: 940 or 1140mm
(37.0 or 44.9in)

Height: 1200mm
(47.2in)

Operating data

Airflow rates:
Extract: 400m³/hr (235CFM)
Recirculation: 200m³/hr (118CFM)

Environmental classification (transfers):
Loading side: EU GMP Grade D - C
Unloading side: EU GMP Grade C - B
(or reverse direction)

HEPA filter efficiency:
EN 1822 H14 (99.995%)

Power data

Requirements
230V AC, single phase, 50/60Hz 10A supply

Supply
Installation category II

¹ All dimensions are shown as a minimum, allowing for the maximum working volume

Key features

A unique cart loading/unloading system provides for easy and safe material handling and selectable interlock priority points are available for safe entry and exit. An automatic temperature control prevents overexposure of temperature sensitive materials and there is an option for on-board data logging. The main body is constructed in 304 or 316 stainless steel as an option. The doors are provided in a standard phenolic resin with a glass inlay.

Operation

The on-board colour touch panel controls enable easy operation of the HPV bio-decontamination process with instant feedback of operational status.

Options

- On-board compressed air system
- 316 stainless steel body construction

Consumables and optional accessories:

- On-board data logging
- Hand held HPV detector
- Cart-to-cart transfer system (comprising of x2 external trolleys and an integral transfer carriage)
- Bioquell HPV-BI (biological indicators inoculated with 6-log *Geobacillus stearothermophilus*)
- Bioquell HPV-CI (chemical indicators designed for use with Bioquell's bio-decontamination process only)
- Bioquell HPV-AQ (high quality aqueous hydrogen peroxide solution)

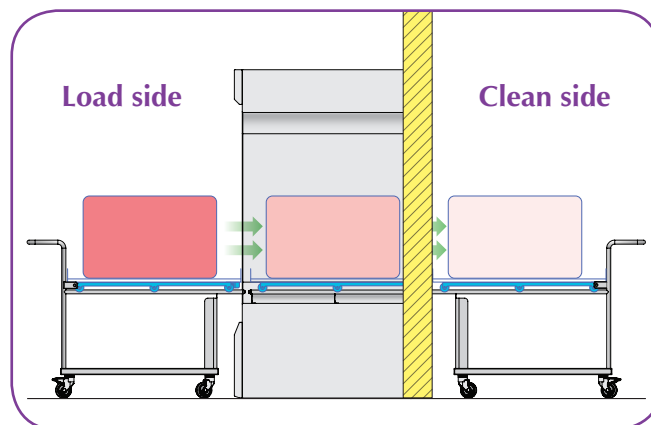


Image 4. Trolleys and transfer carriage provides for a smooth loading and unloading of the chamber.

Validation and service

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:

Disclaimer: Bioquell UK Ltd or its affiliates, distributors, agents or licensees (together 'Bioquell') recommends that customers ensure that the requisite level of bio-decontamination is achieved using standard biological indicators such as 6-log *Geobacillus stearothermophilus* spores; and the Bioquell technologies, subject to appropriate cycle development, are designed to be able to provide such levels of bio-deactivation.

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