

# Bioquell | C2C-1

INTERNAL HPV



- **Transfer chamber with built-in 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. This model incorporates an integrated HPV generator, allowing for rapid and efficient bio-decontamination cycles. 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.

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.

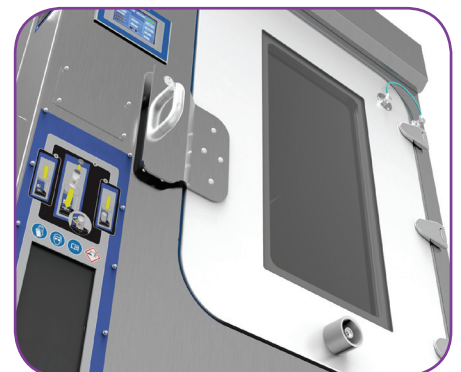
The Bioquell C2C-1 is ideal for use in GMP regulated, or non-regulated areas including food manufacturing/processing, laboratories, biomedical facilities, biosafety/biosecurity areas and healthcare facilities.



**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 loading/unloading

## Technical specification

### Physical and safety data

#### Internal dimensions (WxHxD)<sup>1</sup>:

##### C2C-1/600

600 x 1200 x 940mm  
(23.6 x 47.2 x 37.0in)

##### C2C-1/900

900 x 1200 x 1140mm  
(35.4 x 47.2 x 44.9in)

### Operating data

#### Airflow rates:

Extract: 400m<sup>3</sup>/hr (235CFM)  
Recirculation: 200m<sup>3</sup>/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%)

#### Hydrogen peroxide liquid

30-35% w/w Bioquell approved supply only

### Power data

#### Requirements

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

#### Supply

Installation category II

<sup>1</sup> 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 loading and unloading. An automatic temperature control prevents overexposure of temperature sensitive materials and there is an option for on-board data logging. An in-built HPV generator accepts only pre-filled Bioquell aqueous hydrogen peroxide bottles offering excellent batch control and operator safety. The main body is constructed in 304 grade stainless steel. 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

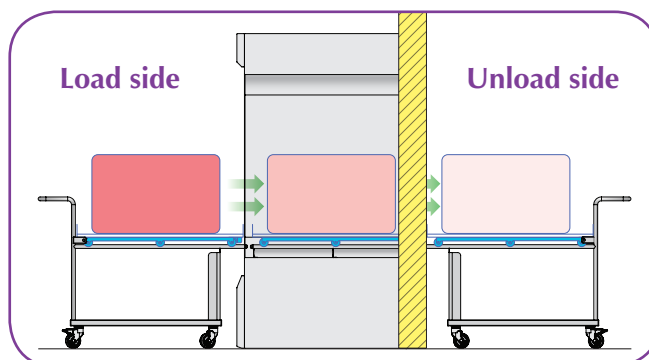
- On-board compressed air system
- 316 stainless steel body construction

## 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)

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**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

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