



BIOQUELL BQ-50

PROVEN 35% HYDROGEN PEROXIDE VAPOUR TECHNOLOGY
DELIVERED IN A PORTABLE, EASY TO USE SYSTEM.

Lead the way in protecting your patients, staff and community by using the Bioquell BQ-50 to create a fully decontaminated environment anywhere in your hospital.

In rooms up to 200m³, this system aids you in the global fight against antibiotic resistance and healthcare-associated infections (HAIs).

Safe on sensitive electronics and residue-free, our 35% Hydrogen Peroxide Vapour technology eliminates pathogens from every exposed surface. Bioquell has proven efficacy against bacteria, viruses, spores and more, including *C. difficile*, VRE, norovirus, and CRE.



EVERY SURFACE DECONTAMINATED. WALL TO WALL. CEILING TO FLOOR.



Unlike other automated decontamination technologies, every exposed surface is capable of receiving the efficacy that Bioquell is known for, doing so with a single cycle. No area remains untouched and the efficacy holds steady even far away from the system. In fact, we recommend opening all closets, drawers, and bathroom doors to allow the vapour to eliminate pathogens everywhere in rooms from 5m³ to 200m³.

EFFICACY UNLIKE ANY OTHER OPTION



Even after advanced manual cleaning methods and alternative decontamination options, such as UV light and aerosolised hydrogen peroxide, pathogens remain. This residual alone can become the source of infection and may even replicate. The Bioquell BQ-50 eliminates pathogens in all treated areas to protect your patients, such as prior to admitting immuno-compromised patients or in rooms previously occupied by a person on contact precautions. From Neonatal and Oncology to the Operating Theatre, using Bioquell in the right rooms at the right time can save lives as part of your infection prevention strategy.

INFECTION RATE REDUCTION IS IN YOUR CONTROL



The Bioquell BQ-50's Direct Cycle Control (DCC) allows you to deliver the ideal supply of vapour to eliminate pathogens in a room, while our Chemical Indicators (CIs) allow you to verify the process in real-time. Prepare the room for decontamination, enter in the room volume and hit go. It is that simple to achieve the unquestionable efficacy of Bioquell proven in dozens of peer-reviewed studies, including 39% and 60% reductions of *C. difficile* at two US hospitals.

YOUR BIOQUELL BQ-50 SYSTEM IS ENHANCED WITH:

- The efficacy only Bioquell's proprietary 35% hydrogen peroxide vapour provides
- Optional tracking and reporting with the Bioquell QuAD
- Direct Cycle Control (DCC) to decontaminate large spaces
- Improved airflow management enhancing performance
- Upgrades allowing for cycles in extreme conditions
- RFID bottle reading for safety and quality control
- Compatibility with the Bioquell Pod single patient room
- Wireless communication between components
- Easy to use, mobile and light components
- Chemical indicators (CIs) to provide real-time cycle verification
- Options for using multiple systems in high volume areas
- Comprehensive safety and user training
- A reduction in hydrogen peroxide needed to start a cycle

APPLICATIONS:

The Bioquell BQ-50 can be used in a variety of situations in nearly every area of your facility:

- Any room from 5m³ to 200m³
- Decrease HAI rates and target problematic pathogens
- Contain and eliminate escalated incidents
- Infection prevention in critical care areas
- Protect admitted immuno-compromised patients
- SSI reduction in Operating Theatres
- Maintain Hospital Pharmacy environmental levels
- Decontaminate sensitive electronics
- Emergency response preparedness
- Accident and Emergency (A&E) department



COMPONENTS:

Hosted on a customised transport cart, the Bioquell BQ-50 is easy to navigate throughout your facility and is comprised of 3 key pieces:

- 1 Control Panel**
Placed outside the room, it communicates wirelessly with the vapouriser and aeration units. Enter in your room volume and the cycle starts with the push of a button.
- 2 Vaporiser**
Fast, automated and lightweight, this component disperses the hydrogen peroxide vapour onto every exposed surface with recent improvements enhancing its capacity.
- 3 Aeration Units**
Each system comes with three units to rapidly remove hydrogen peroxide vapour from the room and to provide dynamic airflow to decontaminate larger spaces. Residue and odour-free, the area can be occupied immediately upon cycle completion.

GET TECHNICAL WITH THE BIOQUELL BQ-50

Physical and safety data	Operating data	Power data
<p>Dimensions and weight</p> <p>Lectern HMI - 290 x 1040^{mm} x 220 mm (11.4 x 50ax 8.7 in) ^a adjustable, minimum stated, 4.6 Kg (10.1 lbs)</p> <p>Vaporiser Module - 450 x 560 x 460 mm (17.7 x 22 x 18.1 in). 20 Kg (44 lbs) with 2 full bottles 22 Kg (48.5 lbs)</p> <p>Aeration unit - 480 x 330 x 340 mm (18.9 x 13 x 13.4 in). 10 Kg (22 lbs)</p> <p>Trolley - 700 x 1250 x 1350 mm (27.5x 49.2 x 53 in)</p>	<p>Maximum H₂O₂ liquid volume: 2 x 950 ml (2 x 321 fl oz) (bottles have Bioquell interface and RFID tag)</p> <p>H₂O₂ liquid concentration: 35% w/w. Bioquell HPV-AQ - stored at 4-25°C (39.2-77°F)</p> <p>Temperature (operation): 15°C to 30°C (59°F to 86°F) for successful and repeatable decontamination</p> <p>The Bioquell BQ-50 will allow a cycle to start up to a maximum of 35°C (95°F) starting temperature</p> <p>Noise at 1m: 68dB(A)</p> <p>Wireless: 2.4 GHz ISM Band, 16 channels (IEEE802.15.4 Channel 11 to 26)</p>	<p>Regional power data requirements:</p> <p>Lectern HMI - 100-240V Single phase, 50/60 Hz, (0.4 A)</p> <p>Vaporiser</p> <p>230 V - Single phase, 50/60 Hz, (7.5A)</p> <p>120 V - Single phase, 50/60 Hz, (15A)</p> <p>Aeration Unit - 100-240 V Single phase, 50/60 Hz, (3.1 A)</p> <p>Consumption:</p> <p>Lectern HMI - 0.006 kW</p> <p>Vaporiser - 1.8 kW</p> <p>Aeration Unit - 0.32 kW</p> <p>Supply: Installation category II</p>

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