



# BIOQUELL BQ-50

PROVEN 35% HYDROGEN PEROXIDE VAPOR 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 200m<sup>3</sup> (175ft<sup>3</sup> to 7050ft<sup>3</sup>), 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 Vapor 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 vapor to eliminate pathogens everywhere in rooms from 5m<sup>3</sup> to 200m<sup>3</sup> (175ft<sup>3</sup> to 7050ft<sup>3</sup>).

## EFFICACY UNLIKE ANY OTHER OPTION



Even after advanced manual cleaning methods and alternative decontamination options, such as UV light and aerosolized 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 Room, 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 vapor 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 vapor 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
- Wireless communication between components
- Easy to use, mobile and lightweight 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 5m<sup>3</sup> to 200m<sup>3</sup> (175ft<sup>3</sup> to 7050ft<sup>3</sup>)
- 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 Rooms
- Maintain Hospital Pharmacy environmental levels
- Decontaminate sensitive electronics
- Emergency response preparedness
- Emergency department



## COMPONENTS:

Hosted on a customized 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 vaporizer and aeration units. Enter in your room volume and the cycle starts with the push of a button.
- 2 Vaporizer**  
Fast, automated and lightweight, this component disperses the hydrogen peroxide vapor onto every exposed surface with recent improvements enhancing its capacity.
- 3 Aeration Units**  
Each system comes with three units to rapidly remove hydrogen peroxide vapor from the room and to provide dynamic airflow to decontaminate larger spaces. Residue and odor-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<sup>mm</sup> 220 mm (11.4 x 50ax 8.7 in) * adjustable, minimum stated. 4.6 Kg (10.1 lbs)</p> <p>Vaporizer 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>Cart - 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 32.1 fl oz) (bottles Bioquell interface and RFID tag)</p> <p>H<sub>2</sub>O<sub>2</sub> 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: Lectern HMI - 100-240V Single phase, 50/60 Hz, (0.4 A)</p> <p>Vaporizer 230 V - Single phase, 50/60 Hz, (7.5A) 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: Lectern HMI - 0.006 kW Vaporizer - 1.8 kW Aeration Unit - 0.32 kW</p> <p>Supply: Installation category II</p>

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