

BIOQUELL PROTEQ

AN ADVANCED MOBILE DECONTAMINATION SYSTEM
WITH FASTER CYCLES AND GREATER EASE OF USE

Whether for routine or emergency remediation, make automated room and zone bio-decontamination technology a part of your contamination control with the Bioquell ProteQ. From small labs to large bioprocessing areas, our latest 35% Hydrogen Peroxide Vapour decontamination offering can do it all.

Powerful distribution reduces cycle times and the new wireless functionality can network multiple units, making it ideal for nearly any size area. For GMP and non-GMP applications, simply select pre-developed timed cycles or parametric cycle control, respectively.

The Bioquell ProteQ offers built-in aeration, but cycles can be optimised further with optional wirelessly controlled aeration units stored directly in the system's frame. Decontaminate every exposed surface in a single cycle easily for a validated 6-log sporicidal bioburden reduction.



COMPACT, FLEXIBLE AND ADAPTABLE

A mobile and compact design, the Bioquell ProteQ decontaminates various areas in a facility or even throughout a campus. It can be dispatched quickly and completely on a single trip by a single person. The system boasts a small footprint occupying less valuable storage space whilst offering robust capabilities.



AUTOMATED AND EASY TO USE

Running cycles is simple, whether timed or parametric, as the Bioquell ProteQ features wireless networking for rapid setup, less downtime, and multi-system functionality. There is no need for additional fans or standalone aeration units found in other systems, as all required components are stored within its frame.



AN EMPHASIS ON COMPLIANCE

Thermal printouts and PDF cycle reports allow you to adhere with GMP regulations. Audit trail software is available to assist in compliance with 21 CFR Part 11. You can also integrate the system with your BMS to control HVAC easily. The Bioquell ProteQ offers the assurance you need.

YOUR BIOQUELL PROTEQ SYSTEM CAN BE OPTIMISED WITH:

- Process monitoring sensor package
- 21 CFR Part 11 audit trail compliance package
- Low level hydrogen peroxide safety sensor
- Laser room dimension measuring device
- Additional wireless aeration units
- Master control panel for simultaneous operation of up to 3 Bioquell ProteQ units
- Integration to Building Management System (BMS)
- System commissioning and IQ/OQ/PQ
- Advanced validation such as gas cycle development (GCD) and Performance Qualification (PQ)
- Preventative Maintenance plans

APPLICATIONS:

Take control of these critical areas easily and at any time with the Bioquell ProteQ.

- Biopharmaceutical manufacturing areas
- GMP/GLP Laboratories
- Bio-safety labs of all levels
- Animal facilities
- Production areas with difficult to fully clean spaces such as RABS
- Cleanrooms, lab spaces and anterooms
- Other room and zone decontamination needs



COMPONENTS:

- 1 Vapour dispersal and distribution** for rooms up to 250m³ (or larger with Bioquell validation support) for each Bioquell ProteQ.
- 2 Dual bottle module** with RFID reading for safe loading, large volume decontamination and key data collection.
- 3 Wireless Lectern** featuring a thermal printer and a colour touchscreen with pictorial interfacing.
- 4 Built-in aeration capability** comes as a standard feature in every Bioquell ProteQ.
- 5 Optional additional aeration and distribution units** with storage space integrated for quick setup and transport.

GET TECHNICAL WITH THE BIOQUELL PROTEQ

Physical and safety data	Operating data	Power data
Dimensions and weight With lectern 672 x 1430 x 710 mm (26.5 x 56.3 x 28.0in) (Height=1421mm (56in) if no lectern)	Operating Temperature: 15°C to 30°C (59°F to 86°F) ¹	Regional power requirements (max): 230 V single phase, 50/60Hz 7.5A Base Unit, 1A lectern 120 V single phase, 50/60Hz 15A Base Unit, 2A lectern 100 V single phase, 50/60Hz 15A Base Unit, 2A lectern
Lectern 630 x 880x 349 mm (24.8 x 34.6 x 13.7in)	Relative Humidity Limits at start of cycle: 80% RH (Max) ²	Max power consumption (Main Unit/Lectern) 1.8 kW / 0.2kW. 1.8 kW / 0.2kW. 1.8 kW / 0.2kW
Mass: With lectern: 67 Kg Lectern: 9 Kg	Enclosure decontamination capacity: Nominally 250m ³ (8830ft ³) with parametric control. Larger volumes achievable with timed control (subject to configuration and loading) Airflow Rates: Vaporisation rate: 71m ³ /hr (42 CFM), Distribution flow: 524m ³ /hr (308 CFM) Aeration flow: 2200m ³ /hr (1295 CFM) Maximum H ₂ O ₂ liquid volume: 4 litres (135 fl oz), 2 positions for 2 litre or 950ml bottles Maximum H ₂ O ₂ liquid injection rate: 230V/120V 16 g/min. 100V 12 g/min	Power Supply: Installation category II

¹ The Bioquell ProteQ will allow a cycle to start up to a maximum of 35°C (95°F) starting temperature. However when operating above 30°C please contact Bioquell to ensure the correct cycle set-up

² If requiring to operate outside this range refer to Bioquell or its agents

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