Bioquell® ProteQ

Mobile bio-decontamination system for rooms and zones

ECOLAB®

GLOBAL EXPERTS IN
CONTAMINATION CONTROL

Bioquell® ProteQ

MOBILE, VERSATILE AND WIRELESS

With all components stored within its mobile frame, quickly dispatch the system in one trip by a single person. Wireless communication between components makes setup easy

BPR APPROVED

Bioquell HPV-AQ 35% hydrogen peroxide holds a European Union authorization under the Biocidal Products Regulation (BPR, Regulation (EU) 528/2012)

AUTOMATED CYCLES

No additional wiping or cleaning required after each cycle

An advanced mobile bio-decontamination system with faster cycles and greater ease of use

From research laboratories to biopharmaceutical manufacturers, routine or emergency remediation is made possible with automated bio-decontamination technology from Ecolab. The Bioquell ProteQ system provides a mobile and innovative delivery system utilising Ecolab's Bioquell 35% Hydrogen Peroxide Vapour bio-decontamination technology.

The Bioquell ProteQ delivers powerful distribution to help reduce cycle times and cover areas as large as 400m^3 for each system used. It also communicates wirelessly to the control lectern positioned outside of the area being bio-decontaminated so that cycles can be started and monitored remotely.

The Bioquell ProteQ is a compact and mobile system that offers built-in aeration, but cycle times can be optimised further with the addition of optional wirelessly controlled aeration units which can be stored directly in the system's frame for added convenience.

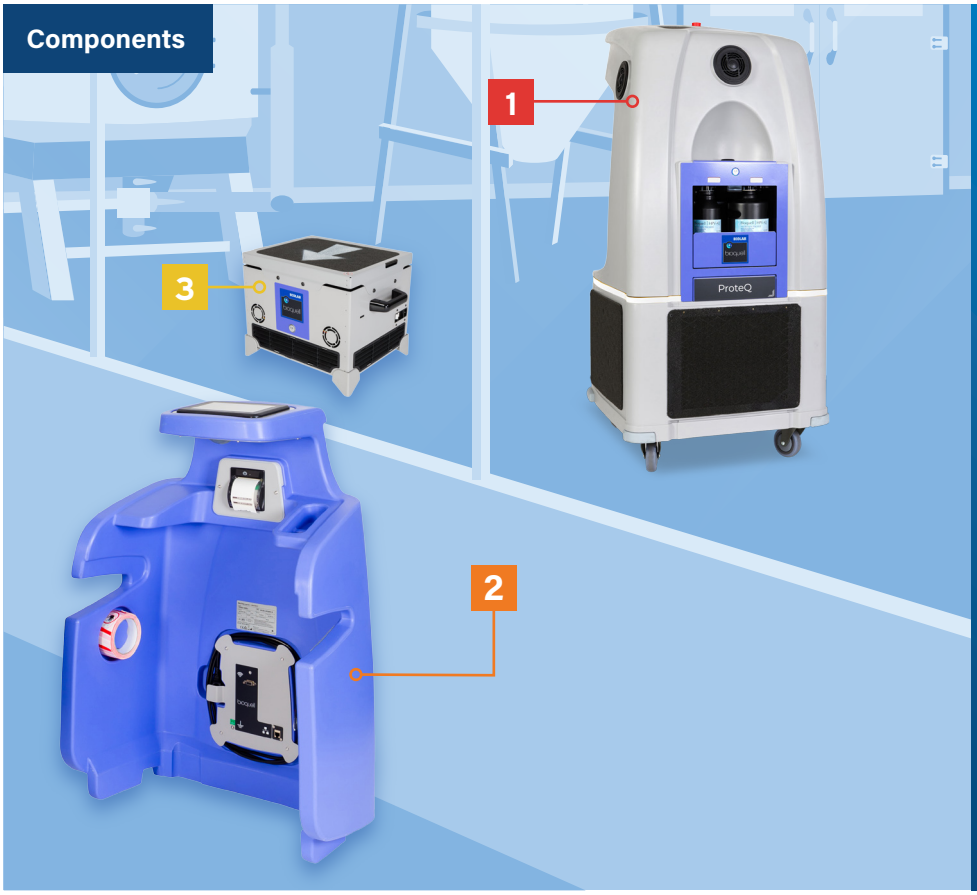
Applications:

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

Bioquell ProteQ offers:

- Automated cycles
- 6-log sporicidal kill on every exposed surface
- RFID enabled bottles for traceability and quality control
- 21 CFR Part 11 audit trail compliance package available
- Optional aeration units for even quicker bio-decontamination cycles
- Single system covers 400m^3. Up to three systems can be connected for larger areas
- Wireless networking for rapid setup
- Paper and digital cycle reports to support GMP compliance

Components



1 **The main structure of the system contains:**

The hydrogen peroxide dispersion and distribution system for rooms up to 400 m^3 (depending on configuration, load and environmental conditions).

Dual bottle module with RFID reading for safe loading, large volume decontamination and key data collection.

Built-in aeration, capability comes as a standard feature in every Bioquell ProteQ.

2 **The wireless control module** combines a thermal printer and a colour touch screen with graphical interface.

3 **Additional aeration units** help increase airflow during the bio-decontamination cycle and help reduce cycle times by removing hydrogen peroxide vapour during the aeration phase. These units are stored within the frame of the main structure for ease of transport and setup.

Large space Bio-decontamination made easy

When the need arises for bio-decontaminating areas greater than 400m³, users can network up to three systems together quickly and easily using the multi-system controller option, making the Bioquell ProteQ ideal for nearly any size area.

Your Bioquell ProteQ system can be optimized 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
- System commissioning and IQ/OQ/PQ
- Master control panel for simultaneous operation of up to three systems
- Integration to Building Management System (BMS)
- Advanced validation such as gas cycle development (GCD) and Performance Qualification (PQ)
- Preventative Maintenance plans

Bioquell® ProteQ

Technical Specifications

ProteQ		
Physical and safety data	**Operating data**	**Power data**
Dimensions and weight: with lectern 672 x 1430 x 710 mm (Height = 1421 mm if no lectern) **Lectern:** 630 x 880 x 349 mm **Mass:** with lectern: 67 Kg Lectern: 9 Kg	**Operating Temperature:** Operate at ambient temperatures[1] **Relative Humidity limits at start of cycle:** 10% to 80% RH (Max)[2] **Enclosure decontamination capacity**: Nominally 400 m^3 for rooms (subject to configuration, loading and environmental conditions) Maximum H_2O_2 liquid volume: 4 litres 2 positions for 2 litre or 950ml bottles	**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 **Max power consumption (Main Unit/Lectern)** 1.8 kW / 0.2kW **Power Supply:** Installation category II

[1] For concerns or questions related to temperature limits, please contact Ecolab.

[2] If requiring to operate outside this range refer to Ecolab or its agents.

For regional office details, please visit bioquell.com

USE BIOQUELL PRODUCTS SAFELY. ALWAYS READ THE LABEL AND PRODUCT INFORMATION BEFORE USE.

ECOLAB LTD
52 Royce Cl
Andover
SP10 3TS, UK
www.bioquell.com

EUROPE HEADQUARTERS
Richtistr. 7
8304 Wallisellen
Switzerland
www.ecolab.com/lifesciences

ECOLAB®

bioquell
An Ecolab Solution

bioquell code TBD

11604.2