

Custom Decontamination Solutions From PBSC

Supporting life science



Engineering and project solutions that make a difference.

Project

Batavia Biosciences, founded in 2010 and based in the Netherlands, has established itself as a recognised center of excellence in biopharmaceutical R&D and clinical manufacturing. The company has a team with extensive experience in DNA cloning, mammalian cell line generation, upstream process development, purification, product characterisation, and clinical manufacturing.

Batavia is well-positioned to tackle the challenges associated with developing complex biological medicines. In August 2023, the company announced significant progress in expanding its biomanufacturing facilities in Leiden, incorporating advanced laboratories and state-of-the-art cleanroom facilities to facilitate cutting-edge biomanufacturing.

Customer

KeyPlants, based in Stockholm, Sweden, has a proven track record of delivering engineering and project solutions for high-quality facility design and construction, along with turnkey modular facility solutions for the life science and advanced technology sectors.

In collaboration with **Tecnilab BMI**, with over 20 years of experience offering comprehensive services for biomedical facilities, pharmaceutical plants, healthcare, and biosafety, provided **PBSC's** decontamination hatches for Batavia's expansion project.

PBSC has over 36 years of providing cleanroom and high containment products worldwide, gaining a deserved reputation as a premier supplier.

Products

- 2 x H₂O₂ Decontamination Hatches - MDH 1 900

Special customer additions:

- Extract 800

The unit features an HMI-controlled fan speed, delivering an exhaust flow rate of 400 m³/hr for consistent and efficient air management.

- GMP Software

The hatch has an upgraded PLC, with each HMI including a WinCC Audit License. This enhancement provides an audit trail, ensuring full GMP compliance across hatch operations.

- Stainless Steel Upgrade to 316L

All the panels and components were upgraded to 316L stainless steel, enhancing durability and resistance to corrosion.

- Internal High Level Sensor H₂O₂

A high-level sensor has been added directly to the hatch roof, allowing for precise PPM measurements to be transmitted directly to the hatches PLC.

- 3 Valve (AHS 400)

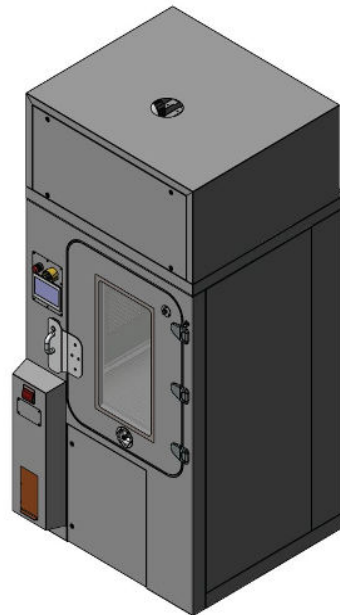
The 3-valve system takes a constant airflow from the corridor, ensuring room pressure balancing is not affected during hatch operation.

Solutions/Results

PBSC is dedicated to providing exceptional standards to its customers by anticipating their needs, offering reliable products, and supporting them throughout the entire project.

The decontamination hatches designed for this project played a key role in ensuring the sterility and safety of the products used in the research conducted by Batavia Biosciences.

PBSC performs extensive in-house research and product development to provide leading technology to meet customer demands.



“The PBSC team are proud to have contributed with our products and services to this project and wishes Batavia every success in the future.”

www.pbsc.co.uk
www.pbsc-inc.com