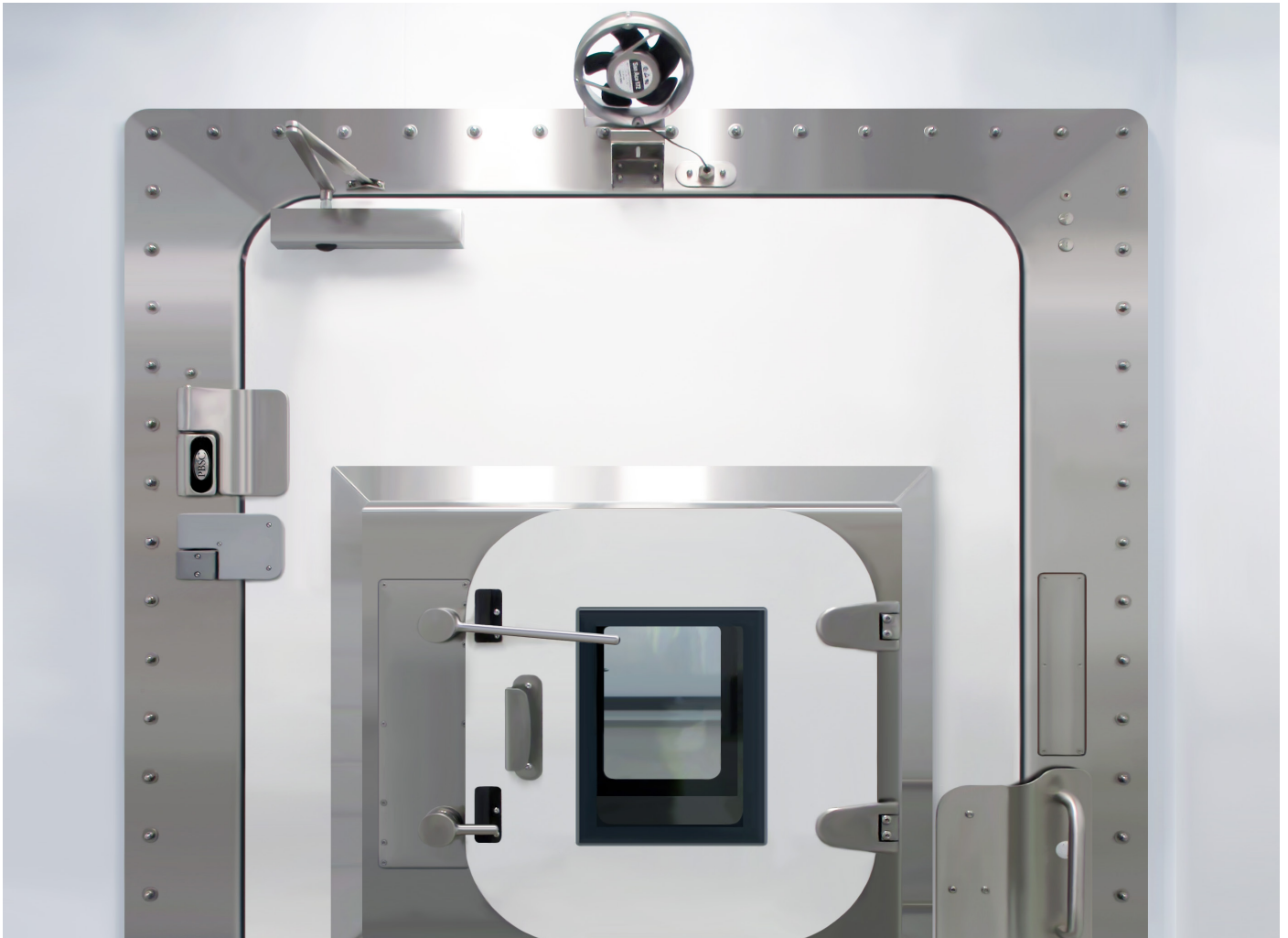


Product Case Study

Customised Solutions by PBSC



Providing Robust Decontamination

Products

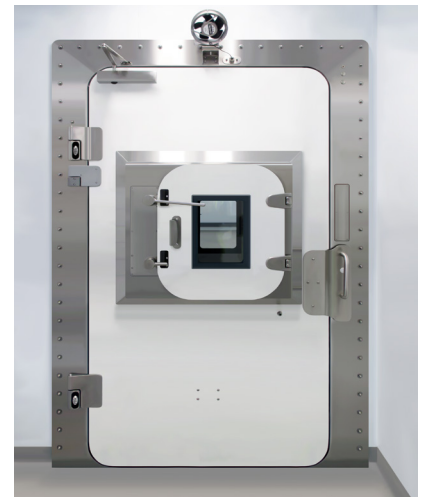
- Inflatable Seal Door AR-ISD, HC-ISD
- Barrier Hatch HC-BH

Product Details

- Forming an H2O2 gassing lobby within the building.
- Designed to work with a portable H2O2 generator with camlock fitting either on the door leaf or door frame, with the communication to the generator via volt free signals.
- Controlled by **PBSC's** S1200 PLC to ensure the doors are locked and sealed during gassing, with the interlock priority having flexibility on the S1200 PLC

allowing the doors to be configured to suit most applications.

- The controls operate the stirrer fans on the door frame with tacho monitoring to ensure they are operating correctly during the decontamination cycle.
- The S1200 provides a signal for the building system to open and close the HVAC when it's required providing an automated cycle from start to finish.
- The new **PBSC** hinge system allows a single operative to quickly change the door seals safely without removing the door from the frame.
- The barrier hatch is used to allow items to be passed through without leakage.



Solutions & Results

PBSC's ISD doors form a H202 interlock, using an existing clean room walling system where a full chamber solution is not possible.

These doors can be provided with or without a hatch integrated into the door leaf.

The size of the door is customisable with a wide range of door sets available

ISD doors engineered by PBSC have decontamination to Log₆ which is validated by biological indicators.

Used to decontaminate goods on the way into or out of a facility, with the direction of decontamination configurable on the S1200 PLC.

Results

PBSC's inflatable seal door has been used in many facilities worldwide, providing users with a robust material decontamination chamber where a full chamber solution is not possible.

Passing site commissioning with the generator and Log₆ kill during validation without leakage.

PBSC's door set requires no taping, with its inflatable seal providing a flush threshold ideal for wheeled carts.

Sectors

- High Containment
- Medical Research
- Pharmaceutical

Providing the highest possible airtight containment in applications involving high traffic and wheeled equipment

PBSC Staying in Control of Controlled Environments

Established in 1987 PBSC has become one of the leading manufacturers of clean room, high containment and material decontamination products throughout the world and having the extensive product range and bespoke designs and assembly capabilities can meet customers needs.

Providing high quality products and services to the pharmaceutical, medical research, high containment and hospital sectors, offering quick and accurate assistance during project planning to consultants, architects and end users.

PBSC have agents and representatives in most countries to provide excellent local support and logistical services to make sure your products arrive on time.

Products include;

- Clean Room Doors
- Pneumatic Inflatable Seal /Airtight Door Sets
- Mechanical Seal / Airtight Doors
- Material Decontamination Chambers
- Transfer Hatches / Cleanroom Pass Through
- Fogging Showers / Mist Showers
- Air Showers

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