



# HC-BH

## Barrier Hatch

PBSC provide installation, servicing, technical advice, product selection and demonstrations for clean controlled environments with **Innovation, Design and Quality** at the heart.

PBSC manufacture high quality clean room, high containment and material decontamination products. When you need areas and staff to be contamination free and protected from pathogens, you need dependable equipment which will maintain critical biosafety levels, achieve sterility and protect data reliability.

Complying with local and global regulations PBSC's products can be designed to meet your specific requirements. Over 30 years knowledge and competence within the specialist sectors, always going through extensive research and development and offering accurate assistance during project planning to consultants, architects and end users to deliver successful projects.



### Innovation

Incorporating your requirements to create product ranges to exceed expectations



### Design

Leading the way with pioneering design, ensuring customer requirements are achieved



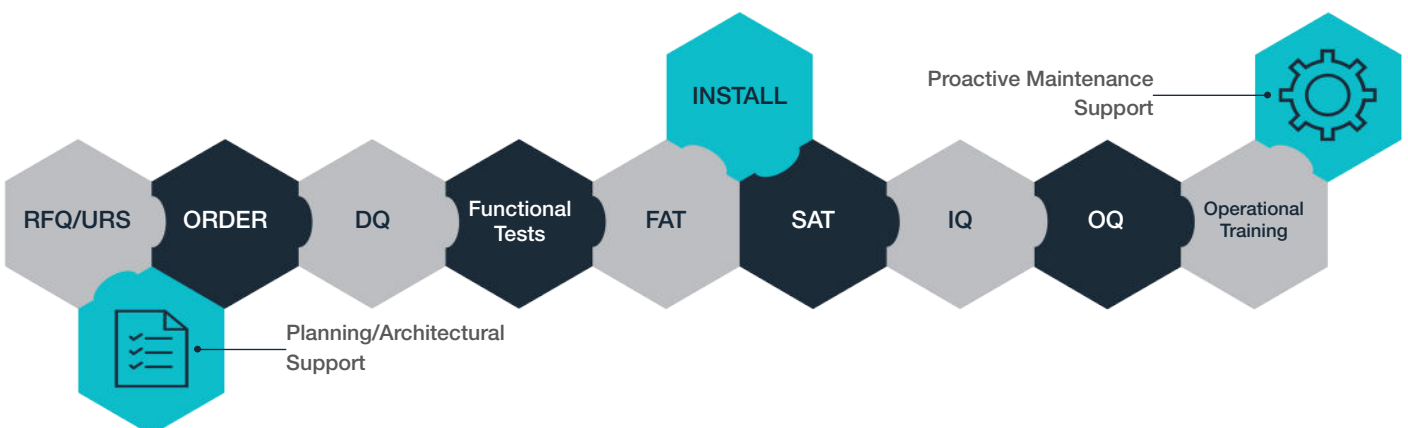
### Quality

Delivering high quality products for over 30 years, with rigorous testing and inspection

### PBSC is the accepted benchmark by which others are measured...

The search for innovative design, an eye for detail and advanced manufacturing techniques has seen PBSC gain a deserved reputation as the premier supplier within cleanroom environments.

Supporting the customer throughout the process continuing to meet the growing challenges and striving for continual improvement with our ISO 9001 QA processes independently audited and updated on a regular basis.



## Description



PBSC's range of room-to-room hatches provide reliable interlocked door transfer routes and are custom designed to address a wide range of applications, from non-containment environments right-up to the most rigorously controlled BSL4 laboratories. Wall-mounted versions are ideal for small hand-held items, and the floor-mounted hatches are designed to handle larger items and carts.

Transfer hatches also referred to as pass-throughs and pass boxes are available in polished stainless steel with a fully welded construction. All models feature the dependable PBSC door interlocks and proven door hinges and seals.

Venting and chamber conditioning may be provided, and fully welded gas-tight duct connectors/ HVAC ball valve dampers are also available.

PBSC's hatches are available with an inflatable or mechanical seal door design. Both provide excellent levels of containment.

## Leakage Rates



Typical pressure loss at SAT of 65Pa over 30 minutes, with a starting pressure of 500Pa.

## Options



- HVAC connections
- Mechanical or Pneumatic Seal Doors
- Frame designs to seal to almost all wall types i.e. partition, cast concrete, stud, or block
- Internal shelf to the hatches
- Supporting leg
- 304 or 316 stainless-steel construction
- UPS to PLC



## Applications



PBSC's hatches are versatile and used in a broad range of applications, including pharmaceutical facilities ranging from BSL2 to BSL4. For high-containment situations, our hatches can be equipped with pneumatic seals and advanced access and control options.

All PBSC hatches can be installed into pre-existing openings in cast concrete walls, block, or stud walls.

For applications without containment please see PBSC's standard transfer solutions A-HT and A-TH.

## Key Features



- Flushed glazed vision panels with no visible fixings
- High leakage resistance, suitable for BSL4 applications
- Monitoring of seal pressure
- Monitoring of supply pressure for building
- Unique PBSC cast stainless steel hinge assembly allowing maximum clear opening
- Highly reliable and easy to clean
- Custom sizes
- Pneumatic Seal and Mechanical Seal models
- Maglock or electro-mechanical interlock
- Air purge and UV Lights available
- Range of control panels and can be prepared for integration into BMS



## 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

[www.pbsc.co.uk](http://www.pbsc.co.uk)  
[www.pbsc-inc.com](http://www.pbsc-inc.com)

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