



HC-ISD

Inflatable Seal Door

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



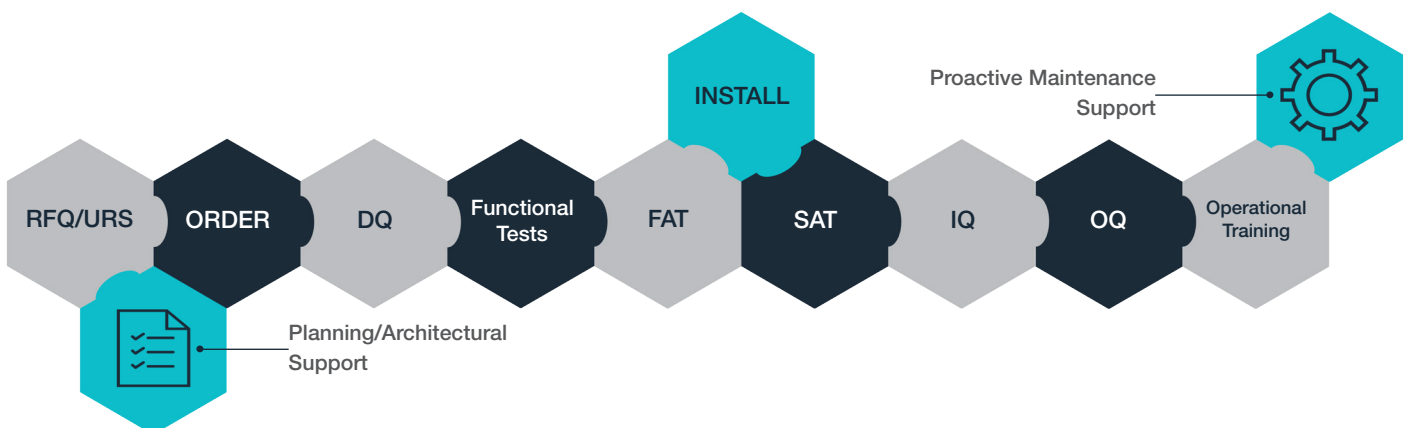
Quality

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 Pneumatic seal doors provide the highest possible airtight containment in applications involving high traffic, wheeled equipment, or large animals. The doorframe is flush with the floor, eliminating any trip hazard or trolley interference.

The compressed air inflates the seal around the door perimeter, creating an effective barrier against leakage up to pressure differences of 2000Pa (8" w.g.). The seal conforms to the curved doorframe, ensuring a secure fit.

The door leaf is available in polished stainless steel, powder-coated low-carbon steel, aluminium, or solid core phenolic resin construction.

The compressed air inflates the seal around the door perimeter, creating an effective barrier against leakage up to pressure differences of 2000Pa (8" w.g.). The seal conforms to the curved doorframe, ensuring a secure fit., this will enable the use of reliable software during the FAT, ultimately reducing on-site time and risk.

Designed to install into a range of wall types e.g. cast concrete, block, stud and partition systems.



Options



- Interlock systems
- Frame designs to seal to almost all wall types
- Frame design with no visible fixings to the wall
- Double seals
- UPS to PLCs
- Power Loss Upgrade System, to keep the compressed air supply to the seal in power failure
- Low-level sampling port
- Pneumatic Override Button to release the seal in the event of power failure
- Vision panel cover
- Automatic Closer
- Large door designs up to 4m H and 2.5m W

Key Features



- High leakage resistance across the complete door set
- Monitoring of seal pressure
- Monitoring of supply pressure from building
- Unique PBSC cast stainless-steel hinge assembly
- Stand-alone PLC controls available
- True Flush threshold option
- Door leaf construction options
- Available in either single or double seal
- Silicone or EPDM inflatable seal
- Hydraulic or Automatic Door Closers
- Configurable button sets and LED indicators
- Flush glazed vision panels – toughened or laminated glass



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
www.pbsc-inc.com

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