



Innovation. Design. Quality.



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AR-HRf
Refrigerated Hatch

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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



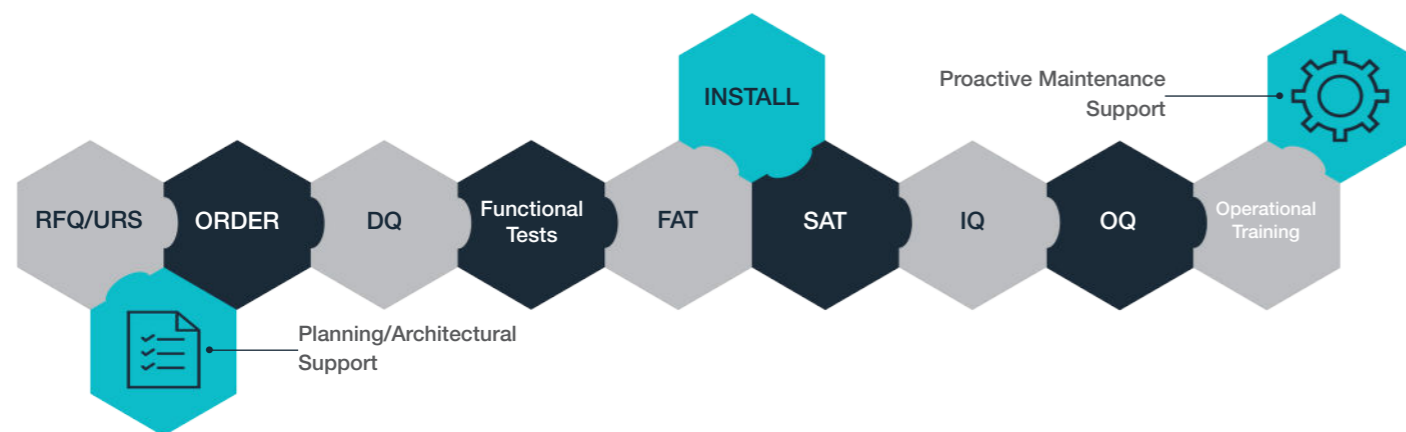
Quality

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 transfer hatch design is strong, robust, and provides easy cleaning and maintenance, with a reliable interlock system to aid you in the reduction of cross-contamination and pressure loss whilst passing products between low and high classification areas.

The refrigerated hatch shell is manufactured from 16-gauge satin polished stainless steel or double skin construction, with the welds ground off and polished to match, having minimal visible fixings or recesses on the hatch with the internal shell corners folded at 90° with approximately 1/8" corners.

Flanges:

The refrigerated pass-through has 14 gauge thick fixed and loose stainless-steel flanges which will seal the unit to the wall finish. The flanges are bevelled on all external edges with a 2" radius in each corner.

Seals:

The seals for this unit contain vulcanised grade SE650 extruded silicone rubber bonded to the inner edges to form a continuous pressure door seal.

Doors:

The doors are constructed within 5/8" HPL with flush toughened clear plate glass flush to both sides for excellent visibility into the hatch.

Hardware:

The unit has door hinges cast in stainless steel with a high polished finish, accompanied by stainless-steel lever handles. The latch blocks are high-quality polished solid stainless steel.

PLC:

PBSC's refrigerated hatch is provided with a PLC to control the 24VDC refrigeration unit and interlock the hatch doors.

User operation of this unit is via an open-door button. There is an LED to each side to alert the operator if the door is available or locked out, creating an audible alarm if the door is left open or the temperature falls below a set point.

Refrigeration Unit:

The refrigeration unit for this pass-through hatch provides a cold environment for transferring temperature-sensitive samples or equipment, with a temperature as low as 5°C and providing up to 1875 BTU.

The unit features an air grill which is located at the top of the hatch supporting the fans, drawing air to cool the system., located either between the two walls or the within the lower classification side of the hatch.

Fixing Methods:

The hatch can be either supported within one end of the wall with the protruding body of the hatch supported on a benchtop or by using support brackets or goal post legs is an added option if required.

Options

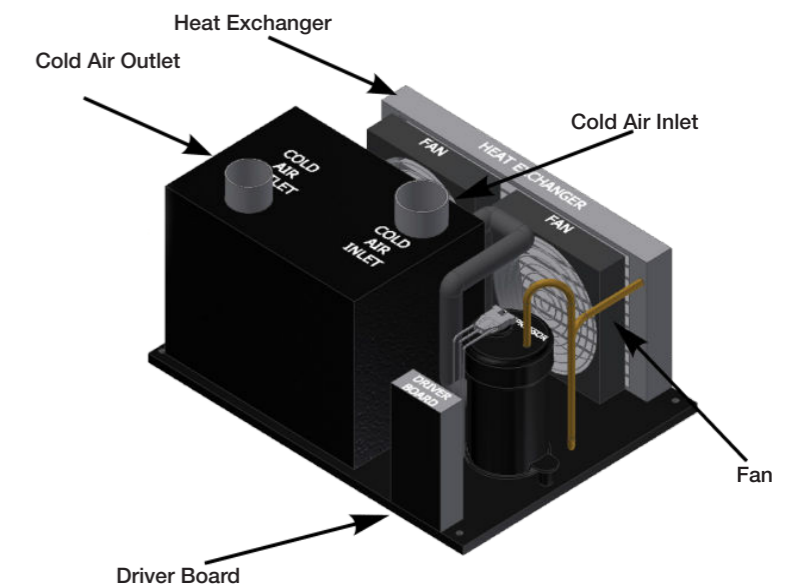


- Removable internal shelving options
- UV lights
- Powder-coated finish
- 304 or 316 Stainless-steel
- Support brackets/goal post legs

Key Features



- Failsafe electromechanical interlock system
- Solid stainless-steel hinge assemblies
- Easy Clean Surfaces
- H14 HEPA filter removes up to 99.995% of particles
- Used in a broad range of applications
- Range of size options
- Stainless steel or powder coated construction
- Large glass viewing area through the door leaves
- Provides maximum visibility and natural light into and through the hatch
- LED button alerting personnel that the interlock is engaged
- Audible alarm to alert users if a door is left open longer than a set period of time.



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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