



# AR-FFU

## Fan Filter 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



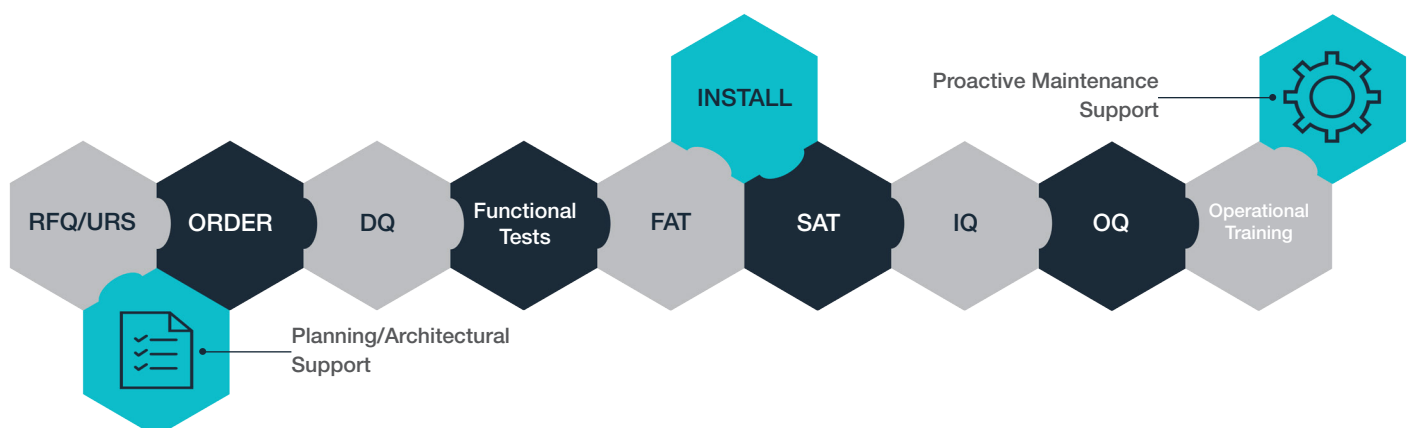
### Quality

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 Fan Filter pass through hatch is designed to provide rapid air changes and fast clean-up/recovery times to reduce the waiting time when transferring goods between different grades of room. The system is designed to work without any connection to the building HVAC system and utilising the air from the adjacent rooms, reducing the costs of HVAC systems and also making it ideal for refurbishments.

The refined design is strong and robust and provides easy cleaning and maintenance with the reliable interlock system to aid you in the reduction of cross contamination and pressure loss whilst passing product between lower and high classification areas. The interlock mechanism is mounted between the two skins of the hatch to reduce the risk of tamper and is available as an electro-mechanical system to provide timed interlocks for air purge cycle, UV light cycles etc...

Manufactured in 304 or 316 grade stainless steel, there are minimal visible fixings or recesses on the hatch which facilitates easy cleaning and the completely frameless glass door leaf provides maximum visibility and natural light into and through the hatch.

### Key Features



- Concealed Interlock System, with the option for doors to fail open or locked
- Solid Stainless-Steel Hinge Assemblies
- Easy Clean Surfaces
- Terminal HEPA filter, with change from inside the hatch
- Wall or Trolley Mounted Options
- Custom Sizes
- Stainless-Steel
- Toughened Glass Door Leaf's
- No HVAC connection required
- Flush button sets

The Fan Filter hatch has a built-in recirculation fan and HEPA filter system with an adjustable fan speed controller to allow for between 20-300 air changes per hour, subject to size of hatch.

PBSC's HEPA (High Efficiency Particulate Air) filter transfer hatch has the capacity to filter small particles, removing up to 99.9% of the particles in the air stream, with rapid particle reduction to meet or exceed the higher grade room requirements in the minimal duration.

Multiple UV lights can be included to reduce bioburden, the number of UV lights and length of cycle is user adjustable. The system monitors the life of the UV light with a counter to allow the bulbs to be changed at the correct time.

The system can run with either 120V/60hz or 230/50Hz.

These hatches are available with a range of features and options.

### Options



- Various FFU filter sizes
- Internal Support Shelves
- Recirculating or one pass through air flow
- Single or double door leaves up to 6' W x 7' H.
- Floor mounted unit for trolley pass through
- Steel or phenolic resin doors



## PBSC Staying in Control of Controlled Environments

Established in 1987 PBSC has become one of the leading manufacturers of cleanroom, 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;

- Cleanroom 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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PBSC reserve the right to introduce changes in performance, configuration and technology, dimension, weights and materials in the course of technical progress. Images may not be accurate