

DPB/DFLH



Introduction

Dynamic Passboxes and Dynamic Floor Label Hatches are aseptic architectural systems utilized to prevent contaminants from leaking into aseptic suits. They are utilized for aseptic transfer of materials into and out from the critical process environments.

Basic Principles

- Dynamic airflow provides an air barrier to prevent contaminant from entering into critical controlled environments during material transfers.
- Vertical purge, purges any trace contaminants that could have entered post material transfer.
- Airflow set at dual re-circulatory on both sides.

Features

- Modular easy to clean design
- HEPA/ULPA knife edge gel seal main filter design
- Sentinel microprocessor control with audio/visual alarms for downflow velocity and filter loading.
- Red/Green indicators for all operational parameters.
- Emergency stop
- Food grade FDA approved, USP class 6 Compliant air tight seals.

- Toughened safety glass
- Air tight Pharma grade latches with electromagnetic interlocks
- Stainless steel hinges
- Fully rounded interior corners with enhanced perforated grille system for full downflow in critical corners.
- Port for particle counter probe.
- Port for upstream PAO concentration
- Pressure tested as per ISO standards.

Options

- UV Lighting
- Onboard lighting
- Splashproof electrical outlets
- Internal Shelves
- Flanges
- Support stands
- Lead shielding
- Atex rated
- Fire rated
- Roller Conveyors (only for DFLH)
- Auto sliding PVC doors (only for DFLH)

Product Code	MOC-	IW (cm)	ID (cm)	IH (cm)	Door Opening	Base	Onboard Lighting	UV Light	Electrical Code
DPB/ DFLH	A-EG Steel Powder Coated Exterior with SS304 interior				1- Straight Through	1 - With	1 - With	1 - With	1 220-240 VAC 50/60 Hz
	S1-Full SS304 with interior rounded corners				2 - L shape	2 - Without	2 - Without	2 - Without	2 110-130 VAC 50/60 Hz
	S2-Full SS316L with interior rounded corners				3 - 3 way				3 100-110 VAC 50/60Hz
	CMB-Other Combinations								

Standard sizes now available from Esco at standard factory leadtimes!

Standard Sizes	Internal WxDxH (mm)
DFLH-S909090-112X1	900x900x900
DFLH-9090120-112X1	900x900x1200
DFLH-150150150-112X1	1500x1500x1500
DPB-606060-112X1	600x600x600
DPB-616161-312X1	610x610x610
DPB-454545-112X1	450x450x450
DPB-606060-212X1	600x600x600
DPB-616176-31211	610x610x760
DPB-919191-11211	915x915x915
DPB-616176-11211	610x610x760
DPB-616191-11211	610x610x915



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