



Esco Dynamic Passbox
Model DPB-S606060-C

Esco Dynamic Floor
Laminar Hatches Model
DFLH-S120150150-C

Esco Dynamic Passbox
Model DPB-S609090-C

DPB/DFLH

Dynamic Pass Boxes and Dynamic Floor Laminar Hatches



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Introduction

The Esco Dynamic Passboxes (DPB) and Dynamic Floor Laminar Hatches (DFLH) are aseptic architectural systems utilized to prevent contaminants from leaking into aseptic suites. They are utilized for aseptic transfer of materials into and out of the critical process environments.

Basic Principles

- Dynamic airflow provides an air barrier to prevent contaminants from entering into critical controlled environments during material transfers.
- Vertical purging removes any trace contaminants that could possibly enter into the cleanroom environment.
- Unit operates with a recirculating airflow and on-board fans, hence external ducting is not required.

The Highest Quality Cabinet Construction

All Esco products are manufactured for the most demanding cleanroom applications.

- Easy-to-clean design
- HEPA (H14) knife edge gel-sealed main filter equipped with G3 prefilter to increase the main filter lifespan

- Simple switches with magnehelic gauge (optional: upgrade to Sentinel™ microprocessor control with audiovisual alarms)
- Selection between magnehelic gauge or digital display via Sentinel™ microprocessor control for differential pressure across H14 filter
- Red/green indicator lights to signal door status
- Emergency stop buttons
- Tempered glass viewing window
- Electromagnetic interlocking doors
- Stainless steel hinges
- Coved interior corners at its base with enhanced perforated grille system for full downflow air supply in critical corners
- PAO injection port for HEPA filter integrity test

Options

- UV Lighting
- Onboard lighting
- Splashproof electrical outlets
- Internal Shelves
- Flanges
- Support stands
- Lead shielding
- Atex rated
- Fire rated

Product Code	-	MOC-	IW (cm)	ID (cm)	IH (cm)	-	Door Opening	Base	Onboard Lighting	UV Light	X	Electrical Code
DPB / DFLH		A-EG Steel Exterior/Interior with SS304 base.					1- Straight Through	1 - With	1 - With	1 - With		1 220-240 VAC 50 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 60 Hz
		CMB-Other Combinations										

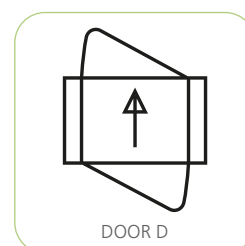
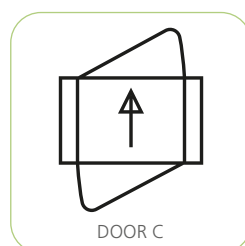
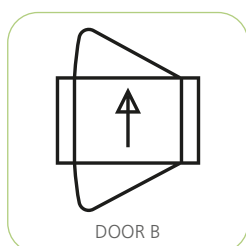
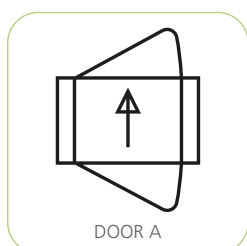
Size Options

Standard Sizes	External & Internal Dimensions (W x D x H)
DPB-S454545-C	700 x 530 x 1100 mm (27.6" x 20.9" x 43.3"); 450 x 450 x 450 mm (17.7" x 17.7" x 17.7")
DPB-S555555-C	800 x 630 x 1200 mm (31.5" x 24.8" x 47.2"); 550 x 550 x 550 mm (21.7" x 21.7" x 21.7")
DPB-S606060-C	850 x 680 x 1250 mm (33.5" x 26.8" x 49.2"); 600 x 600 x 600 mm (23.6" x 23.6" x 23.6")
DPB-S606075-C	850 x 680 x 1400 mm (33.5" x 26.8" x 55.1"); 600 x 600 x 750 mm (23.6" x 23.6" x 29.5")
DPB-S616161-C	860 x 690 x 1260 mm (33.9" x 27.2" x 49.6"); 610 x 610 x 610 mm (24.0" x 24.0" x 24.0")

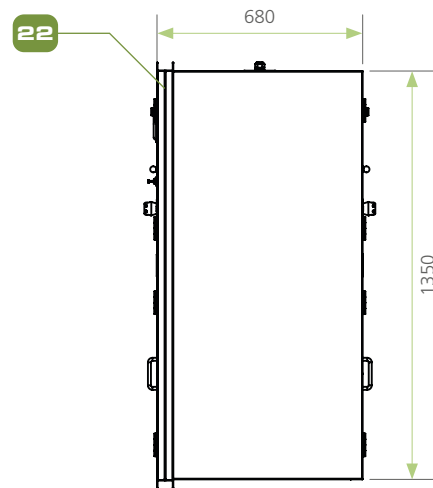
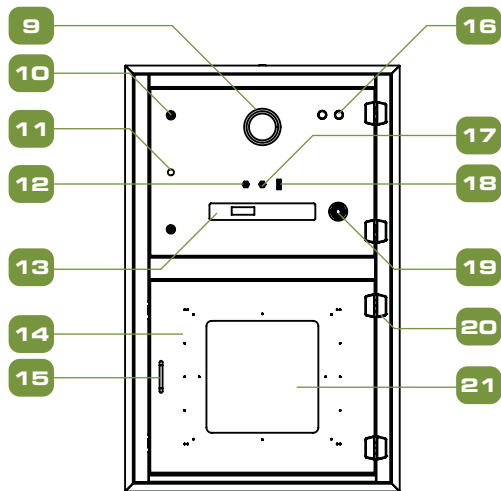
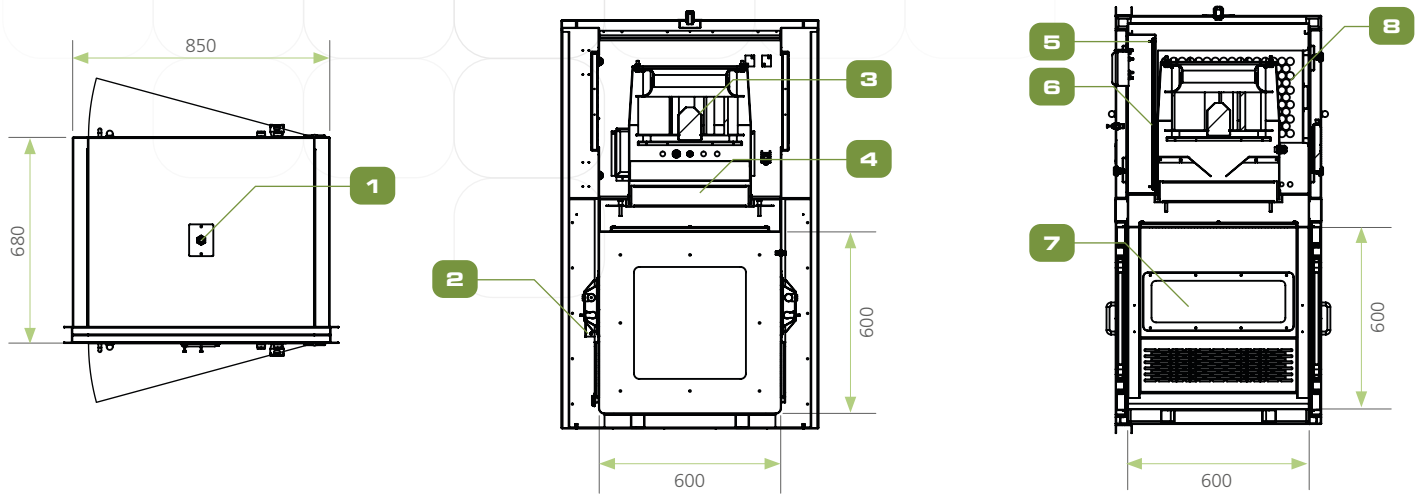
Standard Sizes	External & Internal Dimensions (W x D x H)
DPB-S757575-C	1000 x 830 x 1400 mm (39.4" x 32.7" x 55.1"); 750 x 750 x 750 mm (29.5" x 29.5" x 29.5")
DPB-S909090-C	1150 x 980 x 1550 mm (45.3" x 38.6" x 61.0"); 900 x 900 x 900 mm (35.4" x 35.4" x 35.4")
DPB-S110110180-C	1350 x 1180 x 2450 mm (53.1" x 46.5" x 96.5"); 1100 x 1100 x 1800 mm (43.3" x 43.3" x 70.9")
DPB-S120150150-C	1450 x 1580 x 2150 mm (57.1" x 62.2" x 84.6"); 1200 x 1500 x 1500 mm (47.2" x 59.1" x 59.1")
DPB-S140150170-C	1500 x 1580 x 2350 mm (59.1" x 62.2" x 92.5"); 1400 x 1500 x 1700 mm (55.1" x 59.1" x 66.9")

Note: The units may have additional 100 mm increase in overall height per updated DPB designs.

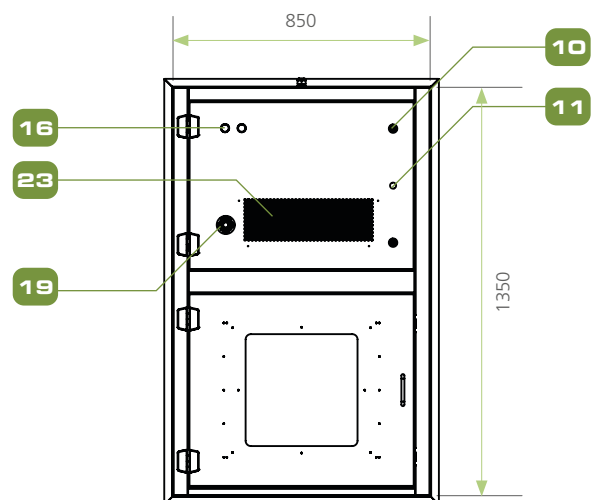
Door Direction Options



ENGINEERING DRAWING (MODEL: DPB-S606060-C)



- | | |
|------------------------------|------------------------------------|
| 1. Pre-Wired Cable | 13. Sentinel Microprocessor System |
| 2. Electromagnetic Interlock | 14. Door |
| 3. Blower | 15. D-Shape Handle |
| 4. H14 HEPA Filter | 16. Green & Red Light Indicator |
| 5. Pao Injection Port | 17. Pao Sampling Port |
| 6. Electrical Panel | 18. Power On/Off Switch |
| 7. UV / LED Housing | 19. Emergency Stop |
| 8. G3 Pre-Filter | 20. Hinge |
| 9. Magnehelic Gauge | 21. Tempered Glass Viewing Window |
| 10. Cam Latch | 22. Removable Flange |
| 11. Access Knob | 23. G4 Pre-Filter (Make-Up Air) |
| 12. Spare Port | |



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