

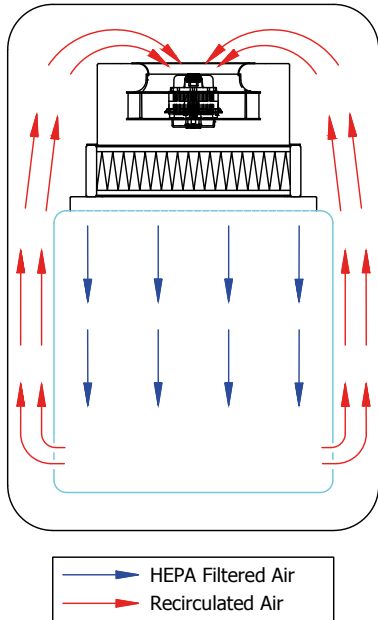
DYNAMIC PASS-BOX UNITS

- Single Pass-Box Unit
- Double Pass-Box Unit
- Tall Pass-Box Unit



“Pass-Box units are used for material transfer in air pressure controlled areas and cleanrooms. Pass-Box doors have an interlock locking mechanism”

AIRFLOW DIAGRAM



In this way, if one of the lid is opened, the opening of the other door is prevented with the help of electromagnetic locks. The fact that the lids are not opened at the same time ensures that there is no air passage between the environments. Dynamic Pass-Box units are used in products with risk of contamination and in areas with different air cleaning class (HEPA filtration). Dynamic Pass-Box units operate according to the recirculation air flow principle. Connection port and apparatus are available to adjust Positive / Negative Air Pressure for different applications. Their circulation is provided with the fan motor which is located at the top of the equipment. Air is sucked from the grids at the point close to the ground in the material transfer chamber and is sent back to the transfer chamber after passing through the HEPA filter below the fan motor.

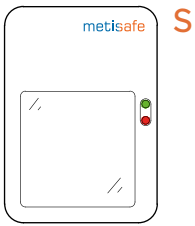


DETERMINE THE CHARACTERISTICS SUITABLE FOR YOUR NEEDS

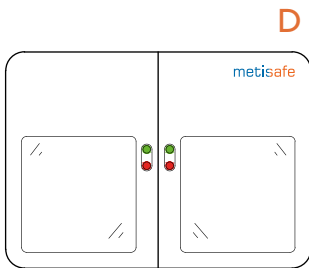
PASS-BOX SELECTION TABLE

PASS-BOX MODELS

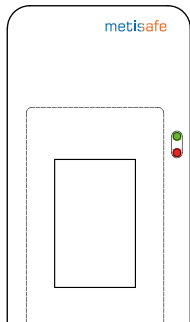
SINGLE / DOUBLE / TALL



Single Type Pass-Box Unit
Transfer chamber width 40 cm or 60 cm



Double Type Pass-Box Units
-Transfer chamber width 40 cm
-Possibility of material entry and exit from separate windows
-Available to separate materials as dirty and clean transfer



Tall Type Pass-Box Unit
-Tall transfer chamber max height 100 cm
-Suitable for tall material transfer
-Possible transfer by wheeled by trolley
-Ability to be mounted on the ground

BUILDING MATERIAL FEATURES

C-SERIES / E-SERIES

C-Series (Push-Open or Handled Lid)
Outer Surfaces : Epoxy Polyester Coated Steel
Inner Surfaces : AISI Stainless Steel



Certified
Stainless
Steel



Electrostatic
Paint Coating



Corrosion
resistance



Certified
Stainless
Steel



Electrostatic
Paint Coating



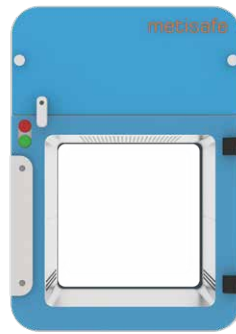
Corrosion
resistance



Optional
AISI 316 L
Stainless
Steel

COVER OPENING MECHANISM

PUSH-OPEN/ HANDLED LID



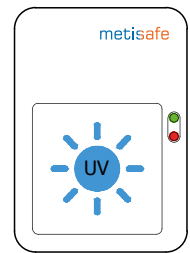
Push-Open Lid
C Series



Handled Lid
C and E Series

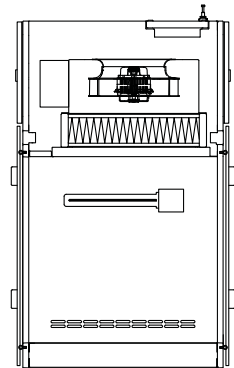
OPTIONS

OPTIONAL



UV Lamp

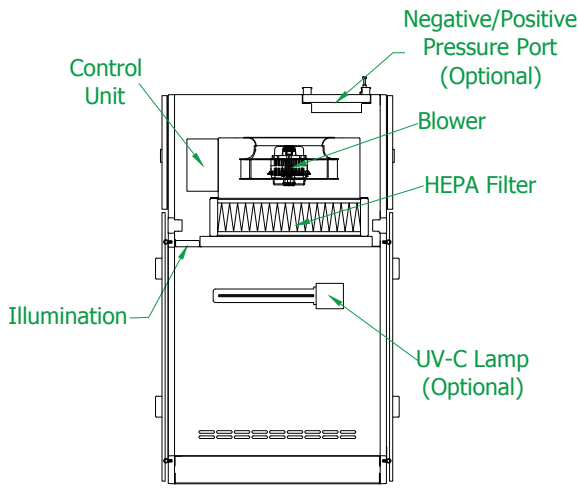
Negative/Positive Pressure Port



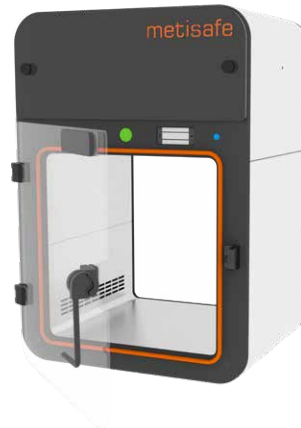
Colour Options

Gray / Blue / Anthracite

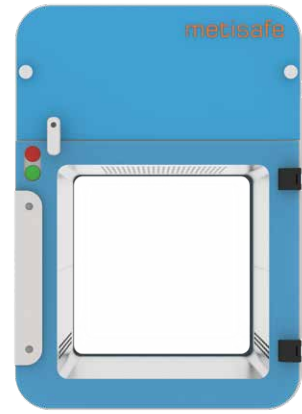




Side View



Handled Lid Model



Push-Open Lid Model

Front View

METISAFE PASS-BOX TECHNICAL SPECIFICATIONS

Model	C Series (Push-Open/Handled Lid)	PB-DS-C40	PB-DS-C60	PB-DD-C40	PB-DS-CT
	E Series (Handled Lid)	PB-DS-E40	PB-DS-E60	PB-DD-E40	PB-DS-ET
External Dimensions (WxDxH) mm	Push-Open Lid	540x454x781	740x654x981	1081x454x781	740x1074x1402
	Handled Lid	540x541x781	740x745x981	1081x541x781	740 x 1074 x 1402
Internal Dimensions (WxDxH) mm	Push-Open Lid	396x400x400	596x600x600	396x400x400 (çift)	596 x 900 x 1000
	Handled Lid	396x396x400	596x600x600	396x396x400 (çift)	596x900x1000
Air Change Per Hour (ACH)	> 1000				
Filter Types / Starting Pressure (EN 1822)	H14 HEPA / 125 Pa				
Noise Level	≤ 58 dB(A)	≤ 58 dB(A)	≤ 60 dB(A)	≤ 62 dB(A)	
Energy Consumption 230 VAC- 50Hz	60 W	60 W	120 W	120 W	
Applicable Wall Thickness (mm)	230	430	230	600	
Main Body	C-Series	Main Body : AISI 10xx series steel coated with anti-bacteriel polyester paint Inner Surface : AISI 304 Stainless Steel Lid Window : ≥6 mm Tempered Glass			
	E-Series (GMP Compatible)	Main Body : Epoxy Polyester Coated AISI 304 Stainless Steel Inner Surface : AISI 304 Stainless Steel Lid Window : ≥6 mm Tempered Glass Optional : AISI 316 L Stainless Steel			
Control Board	Open/Close (On/Off), Electro-magnetic interlock door locking system, Cover Warning Lights, LED Lamps				
Quality and Certificates	CE, ISO9001-2015 Quality Management Certificate, ISO14644 Cleanroom Class Compatibility EN61010 Electric and Electronic Safety Compatibility, Accredited test company validation guarantee (When installation made by Metis or by its certified technical service personnel)				
Optionals	ULPA filter (0,12 µm particle %99.9995 filtration efficiency), Key/Lock System, UV Lamp Disinfection, Positive/Negative Air Pressure Adjustment Option, Colour Option, Electrical Socket				
Weight (kg)	56	105	112	190	
Packaged Total Weight (kg)	62	117	124	210	
Pack Dimensions (ExDxY) mm	720 x 640 x 1070	920 x 840 x 1250	1260 x 640 x 1070	920 x 1200 x 1680	