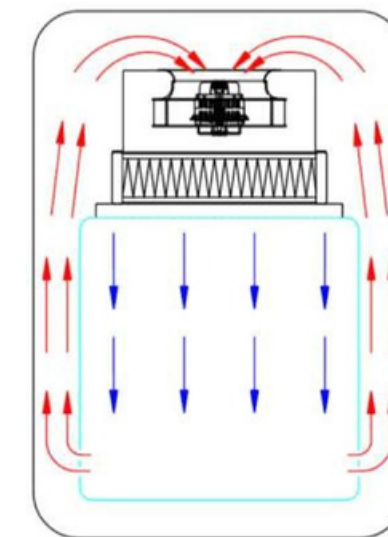


## ACTIVE/PASSIVE PASS-BOX UNITS

Single 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



→ HEPA Filtered Air  
→ Recirculated Air

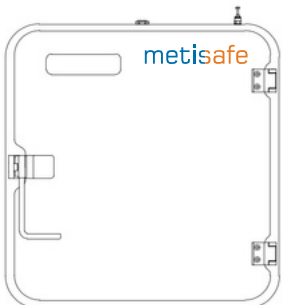
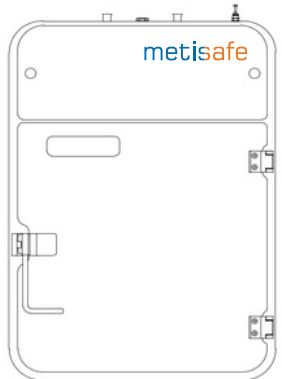
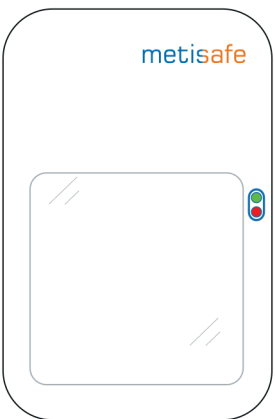
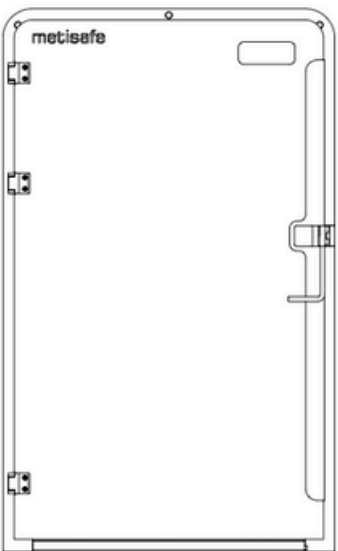







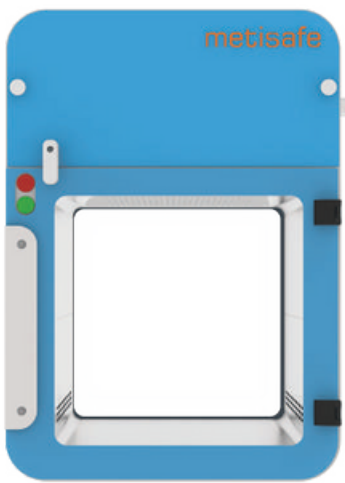



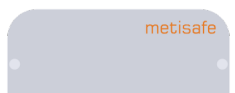

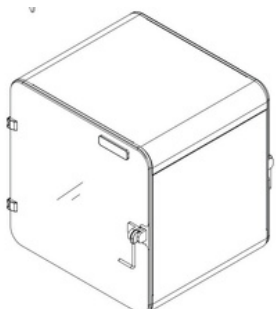
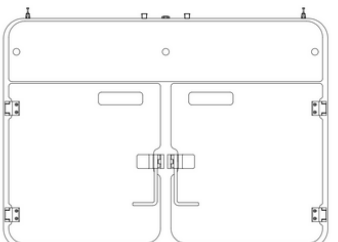
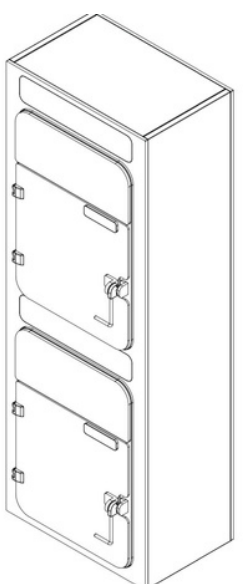
Pass-Box doors have an interlock locking mechanism. In this way, if one of the lid is opened, the opening of the other door is prevented with the help of electro- magnetic locks. The fact that the lids are not opened at the same time ensures that there is no air passage between the environments. Active Pass-Box units are used in products with risk of contamination and in areas with different air cleaning class (HEPA filtration). Active Pass-Box units operate according to the recirculation air ow principle. Connection port and apparatus are available to adjust Positive / Negative Air Pressure for different applications. The air 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 lter below the fan motor.

### Active Pass-Box Equipment Placement



# DETERMINE THE CHARACTERISTICS SUITABLE FOR YOUR NEEDS

## PASS-BOX SELECTION TABLE

OPERATING FEATURES	PASS-BOX MODELS	BUILDING MATERIAL FEATURES	COVER OPENING MECHANISM	OPTIONS
<div>PASSIVE / ACTIVE</div> <div><div>PB-P</div><div>Passive Pass-Box</div> <div>PB-A</div><div>Active Pass-Box HEPA Filtered</div></div>	<div>SINGLE / TALL</div> <div><div>S</div><div>Single Type Pass-Box Unit Transfer chamber width 40 cm or 60 cm</div> <div>T</div><div>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</div></div>	<div>C-SERIES / E-SERIES</div> <div><div>C-Series (Push-Open or Handled Lid) External Surfaces: Steel coated with electrostatic paint Internal Surfaces: AISI 304 Stainless Steel</div><div><div>Certified Stainless Steel    Electrostatic Paint Coating    Corrosion Resistance</div></div> <div>E-Series (GMP Compliant / Handled Lid) External Surfaces: Electrostatic paint coated AISI 304 stainless steel Internal Surfaces: AISI 304 Stainless Steel</div><div><div>Certified Stainless Steel    Electrostatic Paint Coating    Corrosion Resistance</div> <div><div>Optional AISI 316 Stainless Steel</div></div></div></div>	<div>PUSH-OPEN/ HANDLED LID</div> <div><div>Push-Open Lid C Series</div> <div>Handled Lid C and E Series</div></div>	<div>OPTIONAL</div> <div><div>OPTIONS</div><div>UV Lamp Semi-Active Negative/Positive Pressurization Color Option Ramp Sliding Tray System Pressure Sensor Temperature/Humidity Sensor BMS Integration On-Off Button Electrical Socket</div> <div>Colour Options Gray / Blue / Anthracite</div><div></div> <div><div>UV Lamp</div></div></div> <div><div>Semi-active Pass-Box</div> <div>Double Pass-Box</div> <div>Vertical Pass-Box</div></div>

METISAFE PASS-BOX TECHNICAL SPECIFICATIONS							
Model		ACTIVE PASS-BOX			PASSIVE PASS-BOX		
	C Series (Push-Open/Handle Lid)	PB-AS-C40	PB-AS-C60	PB-AT-C60	PB-PS-C40	PB-PS-C60	PB-PT-C60
	E Series (Handle Lid)	PB-AS-E40	PB-AS-E60	PB-AT-E60	PB-PS-E40	PB-PS-E60	PB-PT-E60
External Dimensions (WxDxH) mm	Push-Open Lid	530x482x781	730x686x981	727x1074x1402	530x482x601	727x687x801	727x1074x1222
	Handled Lid	527x545x781	727x745x981	727x1074x1402	527x545x601	727x746x801	727x1074x1222
Internal Dimensions (WxDxH) mm	Push-Open Lid	396x396x400	596x600x600	596x900x1000	396x396x400	596x600x600	596x900x1000
	Handled Lid	396x396x400	596x600x600	596x900x1000	396x396x400	596x600x600	596x900x1000
Filter Types / Starting Pressure (EN 1822)		H14 HEPA / 125 Pa	H14 HEPA / 125 Pa	H14 HEPA / 125 Pa	-	-	
Noise Level		≤ 58 dB(A)	≤ 58 dB(A)	≤ 62 dB(A)	-	-	-
Energy Consumption 230 VAC- 50Hz		60 W	60 W	120 W	30 W	30 W	30 W
Maximum Wall Thickness (mm)		340	535	800	340	535	800
Main Body	C-Series	Main Body: Steel coated with electrostatic paint					
		Inner Surface: AISI 304 Stainless Steel					
		Lid Window: 8 mm Tempered Glass					
	E-Series (GMP compliant)	Main Body: Electrostatic paint coated AISI 304 Stainless Steel					
		Inner Surface: AISI 304 Stainless Steel					
		Lid Window: 8 mm Tempered Glass					
		Optional: AISI 316 Stainless Steel					
Control Panel		On/Off, Electro-magnetic Interlock Door Locking System, Door Warning Lights, Illumunation					
Quality and Certificates		CE, ISO9001-2015 Quality Management Certificate, ISO14644 CleanRoom Class Compatibility, EN61010 Electric and Electronic Safety Compatibility, Accredited Testing Institution Validation Guarantee in case the installation is opareted by Metisafe® Certified Technical Personnel					
Weight (kg)		61	105	190	48	76	145
Packaged Total Weight (kg)		67	117	210	52	91	165
Pack Dimensions (ExDxY) mm		720 x 640 x 1100	860 x 930 x 1350	890 x 1130 x 1715	720 x 640 x 900	860 x 930 x 1130	890 x 1130 x 1500