

# SAS "Material Pass"

## ASPB; PB Models

SAS unit for transferring materials from the dirty zone to the clean zone and vice versa.

### Features

- SAS Material Pass models are constructed entirely of stainless steel, with fully sealed, rounded walls, and are specially designed for the transfer of laboratory materials between the dirty and clean zones.
- The doors are flush with the unit.
- Our SAS units can be mounted in a column.
- Each chamber is constructed as a single piece with large-radius rounded corners ( $r = 50 \text{ mm}$ ) to prevent the accumulation of contamination and facilitate cleaning.
- Double doors made of UV-resistant, non-transparent safety glass.
- Secure electromechanical door interlock system using a programmable lock device that prevents both doors from opening simultaneously.
- Equipped with 254 nm germicidal lamps inside.
- Equipped with a function timer.
- Door status indication.

The "ASPB / PB" Series offers both ventilated and non-ventilated airlocks.



**PB Non-Ventilated Models**



**ASPB VENTILATED Models**

Through automatic microcomputer control, only one door can be opened at a time, keeping the other locked, thereby strictly controlling air circulation to meet the air purity requirements in each room.

The **Ventilated** SAS Series also incorporates forced HEPA filtration to maintain sterile air pressure inside, preventing cross-contamination between dirty and clean zones. With a recirculation rate exceeding 1,000 /h

# SAS "Material Handling"

## ASPB and PB Models

### Technical Specifications

TYPE	VENTILATED			NON-VENTILATED		
MODEL	ASPB-01	ASPB-02	ASPB-03	PB-01	PB-02	PB-03
External Dimensions ****	Width x Depth x Height (mm):					
	660 x 570 x 1000	760 x 670 x 1100	860 x 770 x 1200	660 x 570 x 580	760 x 670 x 680	860 x 770 x 780
Interior dimensions	500 x 500 x 500	600 x 600 x 600	700 x 700 x 700	500 x 500 x 500	600 x 600 x 600	700 x 700 x 700
HEPA H14 filtration (EN 1822)	YES (99.999% efficiency for 3.3µm particles)			NO		
Max. treated flow rate m³/h	150	200	300	N/A		
Max. recirculation	> 1,000 times/hour			N/A		
Air velocity	0.36 ≈ 0.54 m/s			N/A		
Programmable Germicidal System	YES: 1 x 8W UV 254 nm					
Material	AISI 304 Stainless Steel					
Power Consumption	800 W	1100 W	1100 W	100 W	200 W	200 W
Operating voltage	AC 220-240 V 50/60 Hz					
Doors	Double-glazed safety glass, UV-resistant, 6 mm					
Door interlock	Electronic					
Door status indicator	YES	YES	YES	YES	YES	YES
UV Off automatic door opening	YES	YES	YES	YES	YES	YES
Weight (kg)	75	95	105	50	70	80
Packaging Dimensions (mm)	700 x 700 x 1250	800 x 800 x 1350	900 x 900 x 1450	700 x 700 x 750	800 x 800 x 850	900 x 900 x 950

\*\*\*\* WALL RECESS 20 MM LARGER THAN THE EXTERNAL DIMENSIONS

### Order Information

Code	Description
440206-SASPB01	SAS - 500x500x500 Stainless Steel Pass Box (Internal Dimensions in mm)
440206-SASPB02	SAS - 600x600x600 Stainless Steel Pass Box (Internal Dimensions mm)
440206-SASPB03	SAS - Stainless Steel Pass Box 700x700x700 (Internal Dimensions mm)
440206-SAS-ASPB-01	VENTILATED SAS + UV MATERIAL PASSAGE Unit: Int. 500x500x500 mm, Ext. 660x570x1000 mm (Width x Depth x Height)
440206-SAS-ASPB-02	VENTILATED + UV MATERIAL PASSAGE SAS Internal Dimensions 600x600x600 mm, External Dimensions 760x670x1100 mm (Width x Depth x Height)
440206-SAS-ASPB-03	VENTILATED + UV MATERIAL PASSAGE AIRLOCK Internal Dimensions 700x700x700 mm, External Dimensions 860x770x1200 mm (Width x Depth x Height)

"All information, specifications, dimensions, and electrical data shown in TDI's commercial documents and data sheets are for guidance only and are not binding; therefore, they are subject to change according to each customer's needs and provided that applicable regulations permit it."

#### HEAD OFFICE

#### BRANCHES