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WILLSON CLEANROOM EQUIPMENT CO., LTD.

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CLEANROOM AIR SHOWER


Air shower is a self-contained chamber installed at entrance to cleanroom. It can minimize particulate matter entering or exiting the cleanroom space from personnel and materials.

Air shower can blow high speed heap-filtered airflow of 25m/s to remove the particulate matter and the contaminated air is then drawn through the base within the unit, filtered and recirculated.

According to air showering types, there are single-side, top showering and double-side showering.

According to door opening types, there are swing type, sliding type and rolling type.



NAME	DYNAMIC PASS BOX	
	Feature	<ul style="list-style-type: none"> • Air showering time setting • Lighting time setting • Interval start-up setting • Intelligent micro-computer control, stable running. • Two doors are interlocked to ensure cross-contamination • Various door opening methods optional • Air recycling design to ensure cleanliness all the time • English interface and voice indication
	Material of Construction	<ul style="list-style-type: none"> • 100% stainless steel 304 (internal & external)(by default) • 1.2mm Powder-coated steel (external), SS304 (internal)
	Power Supply	3-phase 380V, 50hz
	Airflow Speed	≥25 m/s
	Showering Duration	0-99s (adjustable)
	HEPA Filter Efficiency	H13/14 ≥99.99% (@≥0.3um)



Model	WAS-1P	WAS-2PA	WAS-2PB	WAS-3P	WAS-4P
Application	1-Person	2-Person	3-Person	4-Person	5-Person
Internal Size (W*D*H)	800*900*1980 mm	800*1400*1980 mm	800*1900*1980 mm	800*2900*1980 mm	800*3900*1980 mm
External Size (W*D*H)	1400*1000*2100 mm	1400*1500*2100 mm	1400*2000*2100 mm	1400*3000*2100 mm	1400*4000*2100 mm
Nozzle Quantity	12	18	24	36	48
Nozzle Diameter	30mm	30mm	30mm	30mm	30mm
HEPA Filter Size	600*600*120 mm	820*600*120 mm	600*600*120 mm	600*600*120 mm	600*600*120 mm
HEPA Filter Quantity	2	2	4	6	8
Recessed LED Light Quantity	1	2	2	3	4
Blower Quantity	2 no.*0.55kw/no.	2 no.*0.75kw/no.	4 no.*0.55kw/no.	6 no.*0.55kw/no.	8 no.*0.55kw/no.
Power	1.1 Kw	1.5 Kw	2.2 Kw	3.3 Kw	4.4 Kw
Weight	350 Kg	450 Kg	600 Kg	900 Kg	1200 Kg

WHAT CAN BE CUSTOMIZED?			
Material of Construction			
	Stainless Steel 100% SUS 304	1.2mm Powder-coated Steel (external) SUS 304 (internal)	
Door Types			
	Hinged Door	Automatic Sliding Door	Fast Speed Rolling Door



DISPENSING BOOTH

Cleanroom dispensing booth, also called sampling booth or down-flow booth, is designed to provide vertical laminar airflow to work area, most of air is recycled within booth, partial air is exhausted, so as to make working area in negative pressure state, thus containing particles or powder from overflowing outside of booth when weighing or sampling raw materials are conducted inside booth. More importantly, the negative pressure booth can protect worker's health from inhaling particles or powders. The downflow booth is mainly applicable to pharmaceutical, healthcare, and food industries.

According to control mode, our downflow booth has two modes

- 1: Standard: Varied Frequency Device (VFD)-control Mode
- 2: Advanced: PLC-control Mode

Compared with VFD-controlled booth, the PLC-controlled booth is more intelligent and convenient in operation. It can control airflow speed, lighting, power supply, and display the real-time downstream airflow speed, and the differential pressures of the three-stage filters. When the values of airflow speed and differential pressure exceed the set ones, the buzzer will make alarming sound.

Downflow Booth Configuration	VFD-Controlled Downflow Booth	PLC-controlled Downflow Booth
Pre-filter	Yes	Yes
Medium-efficiency Filter	Yes	Yes
HEPA Filter	Yes	Yes
DOP Test Port	Yes	Yes
Dust-proof Socket (Class: IP66)	Yes Quantity is 3 by default	Yes Quantity is 3 by default
Airflow Equalizing Membrane	Yes	Yes
LED Light	Yes	Yes