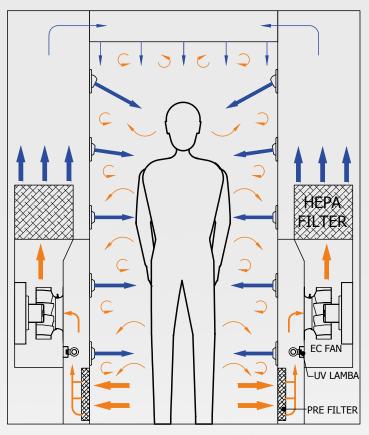




METISAFE AIR SHOWER & AIR LOCK

- All volume / area effective air movement by high velocity air jets
- H14 HEPA filtration
- Energy saving low resistance unique HEPA unit (E-Series)
- Positive / Negative / Neutral pressure working position flexibility
- Stainless steel inner surface
- GMP compatible (E-Series)

2° www.metisafe.com



RESIRCULATED AIR

HEPA FILTERED AIR

WORKING PRINCIPLE

Metisafe Air-Lock & Air-Shower units are used for personnel entrance to controlled clean environments. Those units have critical importance to keep quality at GMP/cGMP qualified production/manufacturing plants. ISO5 Cleanliness Class HEPA filtered air in is blow out from the adjustable air nozzles at a rate of> 20m/s onto the personnel or material. Efficiently guided high-speed air sweeps materials and particles from personnel. The swept particles are sucked through the air suction grids located close to the ground.

The air shower unit operates on the recirculation principle. The intaken air passes through the prefilter to remove coarse particles. The filtered air from the coarse particles gets directed to the blowing nozzles after HEPA filtration. This process is repeats during set time in each pass. The air shower unit operates in Standby mode when there is no active usage. The low-speed fan ensures onstant cleanliness inside the cab.



CONTROL BOARD

- O 4.3" Touch Screen
- O Access Control Process Time Setting
- O Displays Air Flow Rate and Operating Parameters
- O Visual and Audible Warning System
- O Online Air Flow Measurement
- O Advanced Filter Compensation
- O Communication Output for BMS Systems
- O Service Alert
- O Filter Replacement Warning

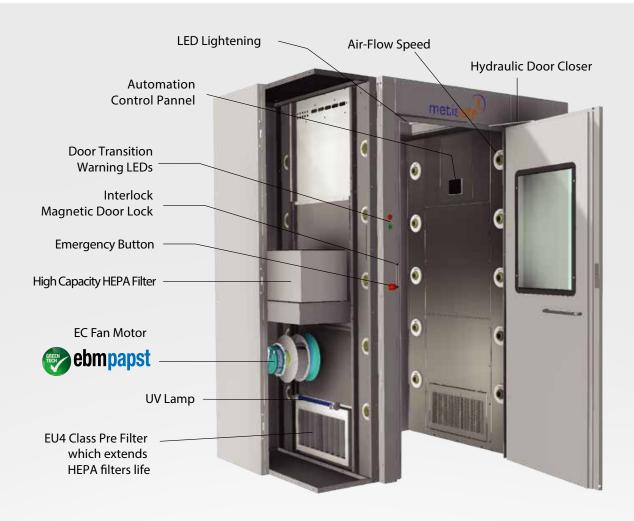


Entrance with Air-Shower

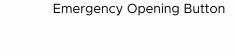




METİSAFE® Cleanroom & Biosafety Systems



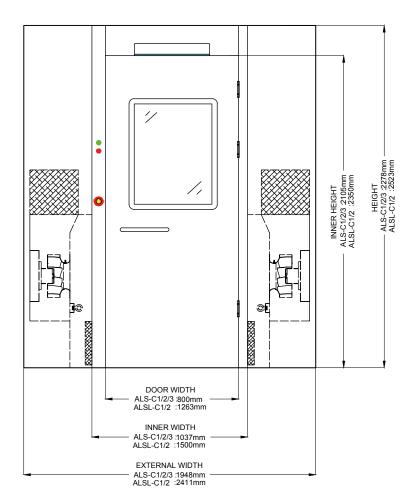


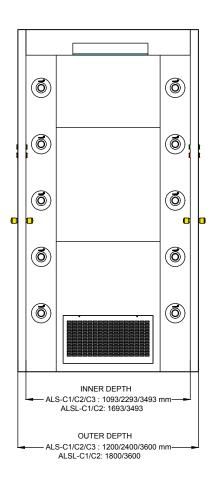


Door Warning Lamps

Functional Modular Design for Easy Installation

4° www.metisafe.com





METISAFE AIR LOCK & AIR SHOWER TECHNICAL SPECIFICATIONS						
Model		ALS-C1	ALS-C2	ALS-C3	ALSL-C1	ALSL-C2
		ALS-E1	ALS-E2	ALS-E3	ALSL-E1	ALSL-E2
Internal Dimensions (W x L x H) mm		1037x1093x2105	1037x2293x2105	1037x3493x2105	1500x1693x2350	1500x3493x2350
External Dimensions (W x L x H) mm		1948x1200x2278	1948x2400x2278	1948x3600x2278	2411x1800x2523	2411x3600x2523
Weight (kg)		410 kg	820 kg	1230 kg	650 kg	1200 kg
Filter initial resistance (max Pa)		120				
Noise Level		< 65 dB(A)	< 68 dB(A)	< 70 dB(A)	< 72 dB(A)	< 74 dB(A)
		< 55 dB(A)	< 55 dB(A)	< 55 dB(A)	< 55 dB(A)	< 55 dB(A)
Filters (EN 1822)	Pre Filter	EU4				
	Main Filter	H14 class high capacity V type HEPA filter				
Fan Filter Motor Power (watt)		1500 W	3000 W	4500 W	3000 W	6000 W
Supply Voltage / Frequency		230 V / 50-60 Hz / 380 V				
Air Change per hour (ACH)		> 1000				
Lumination		> 800 lux				
Air jet velocity		10-22 m/s				
Main Body		Main body; antibacterial powder paint coated AISI 10xx series carbon steel, Inner sufaces; AISI Type 304 stainless steel (C series) GMP compatible AISI Type 316 or 316L SS stainless steel for main body and inner surfaces (E series)				
Air Lock controlled door system		Antibacterial powder paint coated AISI 10xx carbon steel surfaces, doors included hydraulic closer system, hygenic stainless steel door handle, tempered glass window, adjustable overflow outlet duct, automatic drop down seal				
Microprocessor control parameters		Positive/Negative/Neutral air pressure adjustment flexibility, System Ready/Not-Ready lamps, Stand-by option button, Service need warning, Filter replacement warning.				