

DYNAMIC PASS BOX

A Dynamic Pass Box is used for the safe transfer of materials between two controlled areas without compromising the cleanliness of the environment. It is equipped with a **HEPA filtration system** and blower to maintain a contamination-free airflow during material transfer.



SAFE TRANSFER

Ensures secure transfer of materials between two controlled areas.



HEPA FILTRATION

HEPA filter removes up to 99.97% of airborne particles.



PRESSURE MONITORING

Magnehelic pressure gauge to monitor air pressure inside the box.



LOW NOISE & VIBRATION

Operates quietly with low noise and minimal vibration.



LED & UV STERILIZATION

LED lighting and UV sterilization for enhanced hygiene.
















INTERLOCKING DOOR

Interlocking system prevents simultaneous opening of both doors.



SPECIFICATIONS

	Material of Construction (MOC)	M.S Powder Coated / Stainless Steel
	Interlocking	Yes
	Light	LED
	UV Light	Yes
	Pressure Meter	Magnehelic Gauge 0-25
	Hepa Filter	Yes 0.23 MICRON
	Pre Filter	Yes 10 MICRON
	Motor	Dynamically Balanced Motor & Blower
	Noise Level	65 ± 5 DB
	Vibration Level	Less Than 2.5um (0.0001)
	Power Supply	230 V AC , 50 HZ
	Door	Center Visible Door
	Door Alarm & Indicator	Yes
	Usage	Material shift from one room to another room



KEY FEATURES

- Made from durable M.S powder-coated or stainless steel for long-lasting performance.
- Features a dynamic air filtration system with HEPA (0.23 micron) and pre-filters (10 micron) for clean air transfer.
- Equipped with a magnehelic pressure gauge for monitoring air pressure within the box.
- Operates quietly with a noise level of 65 ± 5 dB and minimal vibration (<2.5 µm), ensuring a smooth and efficient process.
- Includes LED lighting, UV sterilization, and door alarms with indicators for secure and hygienic material transfer.



KEY BENEFITS

- Maintains cleanroom integrity during material transfer.
- HEPA filtration removes up to 99.97% of airborne particles.
- Reduces the risk of contamination.
- Interlocking door system prevents simultaneous opening of both doors.
- Improves operational efficiency and regulatory compliance.

