

DYNAMIC PASS BOX



CONSTRUCTION

Made of high-quality or Stainless Steel (SS 304/316) for durability and GMP compliance.

Double-skin construction with smooth, crevice-free inner surfaces to avoid dust accumulation.

Glass viewing panels on both doors for clear visibility.

Heavy-duty hinges, magnetic gaskets, and interlocking system for leak-proof sealing.

Designed to meet cGMP and ISO cleanroom standards.

Built as per ISO 14644-1 Class 5 standards for particle control.

KEY FEATURES

Dynamic airflow system

with HEPA filter (efficiency 99.997% at 0.3 micron) to maintain sterile air inside the chamber.

UV-C germicidal lamp

for surface sterilization

Door interlocking system

ensures that both doors cannot be opened simultaneously.

Electro-magnetic interlock

for contamination-free transfer.

Fluorescent/LED lighting

inside the chamber for clear visibility.

Pre-filter & blower assembly

to maintain laminar airflow and prevent entry of particulates.

Energy Efficient

Uses optimized motor-blower assembly with low power consumption.

Maintenance Friendly

Easy filter replacement and service access.

Toughened Glass View Panels

Provides clear visibility for operators during transfer.

Differential Pressure Gauge

Monitors HEPA filter condition & airflow

ELECTRICAL & CONTROL

- Electromagnetic Program logic Interlocking with digital LED display.
- Hour meter for monitoring HEPA/UV lamp usage.
- Indicators & alarms for door status (open/close), UV ON/OFF, and blower operation.
- Push button controls for blower, UV, and lights.
- UV lamp timer with auto cut-off for safety.
- Emergency stop switch for safety.
- Voltage: 230V AC, Single Phase, 50 Hz

APPLICATIONS OF DYNAMIC PASS BOX

- **Used in sterile manufacturing** (pharmaceuticals, food, cosmetics, and healthcare products) for safe transfer.
- **Hospitals & Laboratories** to move samples, instruments, or medicines between sterile zones.
- **Semiconductor & Electronics industries** to transfer sensitive components in dust-free conditions.
- **Research facilities** for secure transfer of biological or chemical materials.
- **Cleanroom production lines** ensuring that products/components move without human intervention.

AVAILABLE SIZES

Model	Inner Size Inch (WxDxH)	Conversion In mm
PTE-DPB 802 A	18 "x 18 " x 18"	450 x 450 x 450mm
PTE-DPB 802 B	24 "x 24 " x 24"	610 x 610 x 610 mm
PTE-DPB 802 C	24 "x 24 " x 36"	610 x 610 x 910 mm
PTE-DPB 802 D	30 "x 30 " x 30"	750 x 750 x 750 mm
PTE-DPB 802 E	36 "x 36 " x 36"	910 x 910 x 910 mm
PTE-DPB 802 F	40 "x 40 " x 40"	1000 x 1000 x 1000 mm

NOTE - CAN BE CUSTOMIZED AS PER YOUR SPECIFIC REQUIREMENTS