

STATIC PASS BOX



APPLICATIONS

1. **Material Transfer** – Safe transfer of materials between clean and non-clean areas without disturbing the cleanroom environment.
2. **Cross Contamination Control** – Prevents airborne contamination by minimizing personnel entry into clean zones.
3. **Cleanroom Integrity** – Helps maintain differential pressure, air cleanliness, and airflow patterns.
4. **Pharmaceutical Industry** – Used for transferring drugs, samples, and sterile materials in pharmaceutical manufacturing.
5. **Electronics & Semiconductor** – Transfer of sensitive electronic components without exposure to dust or particles.
6. **Food & Beverage Industry** – Ensures hygienic transfer of food ingredients or packaging material.
7. **Biotechnology & Research Labs** – Used to pass sterile instruments, culture media, or samples.
8. **Hospitals & Healthcare** – For transferring medical devices, sterile surgical instruments, and specimens.

KEY FEATURES

- **Electromechanical interlock** prevents both doors opening simultaneously
- **Flush doors** with continuous Silicone gaskets for tight seal
- **Viewing window** (tempered glass / lacquer) for visual confirmation
- **Interior SS construction** with smooth covered corners for easy wipe-down
- **UV-C germicidal lamp** with safety interlock UV off when door opens
- **Cycle timer & buzzer** optional for UV exposure timing and door release delay
- **Door status indicators** LED and audible alarm for forced-open attempts
- **No fan/HEPA**—zero turbulation; low power and maintenance



CONSTRUCTION

- **Inner & Outer Body:** Stainless Steel 304 (SS 316 available on request)
- **Finish:** Matt / Mirror finish, smooth surface for easy cleaning
- **Doors:** Double door system with toughened glass viewing window
- **Door Locking:** Electromagnetic / Mechanical interlocking to prevent simultaneous opening

DESIGN FEATURE

- **Type:** Static (no airflow inside)
- **Viewing Panel:** Transparent toughened glass for visibility
- **Handle:** Ergonomic stainless steel handle for easy operation
- **Hinges:** Heavy-duty SS concealed hinges
- **Door Gasket:** Silicon gasket ensuring airtight sealing

ELECTRICAL & CONTROL

- Indicator lights: "Door Open / Door Close" status
- Door interlock control system (Electromagnetic type)
- Buzzer alarm for Door Indication and others

AVAILABLE SIZES

Model	Inner Size Inch (WxDxH)	Conversion in mm
PTE -SPB 803 A	18"x18"x18"	450x450x450mm
PTE -SPB 803 B	24"x24"x24"	610x610x610mm
PTE -SPB 803 C	24"x24"x36"	610x610x910mm
PTE -SPB 803 D	30"x30"x30"	750x750x750mm
PTE -SPB 803 E	36"x36"x36"	910x910x910mm
PTE -SPB 803 F	40"x40"x40"	1000x1000x1000mm

NOTE - CAN BE CUSTOMIZED AS PER YOUR SPECIFIC REQUIREMENTS