



CLEAN ROOM & HVAC SOLUTION
(Design / Manufacturing / Service)



PASS BOX (STATIC & DYNAMIC)

The clean room “PASS BOX” is a vital tool for transferring materials between separate areas in cleanrooms, minimizing contamination risks. Equipped with dual-sided doors, it facilitates material transfer without personnel entering the cleanroom. It maintains positive pressure, preventing air exchange between rooms. Pass Boxes ensure efficient material transfer in regulated environments, offering maximum safety and effectiveness. Engineered with precision and compliance with quality standards, they guarantee dependability and simplicity with sturdy construction and user-friendly interfaces.

Pass box are designed in two different types; Static Pass Box & Dynamic Pass Box; it is the user specific requirement which decides the right design configuration.



Static Pass Box : Static pass box on the other hand is fitted only between two clean room areas and has no air supply or extract. It is also known as passive pass box which is equipped with FL & UV Light.



Dynamic Pass Box : A Dynamic pass box is installed between classified and non-classified areas, or between different classified areas. Materials pass through vertically HEPA-filtered air, equipped with FL and UV lights.

Parameter of Dynamic Passbox

Air Cleanliness	Class 100
MOC	SS-304 /316
Blower & Motor	Static & Dynamically balanced Optional – EC Blower
Air Velocity	90 +/- 20 FPM
Doors	<ul style="list-style-type: none"> • Two Side Doors with PUF Filled • Glass Window • SS Handles & SS Hinges • Electromagnetic Interlocking Circuit
Filters	<ul style="list-style-type: none"> • Pre Filters – 10 micron • HEPA Filter – 0.3 micron with SS protection grill

Key Features

- Pencil Type Coving inside the Passbox.
- Doors & Bottom of Pass box are Puf Filled for the strengthening
- Providing clear working area with inside electro magnetic Arrangement.
- Mechanical Door Interlocking / Manual Locking arrangement.
- Two Side Doors with Glass Window , SS Handles and Electromagnetic Interlocking Circuit



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