



PASS THROUGH BOX

1. **Dynamic Pass boxes** are designed in conformation to the international standards are used for transferring the material through controlled environment to different classified area to avoid cross contamination & maintain integrity of product & process
2. **Static Pass Boxes** are suitable to provide a bacterial free environment during the material transfer between same classification areas by means of electro magnetic interlock and UV light.

VHP(H₂O₂)/ IPA PASS BOX

Vapourized hydrogen peroxide (H₂O₂) Pass Box with Recovery cycle Programmed provides personnel environmental and product protection. Airflow is "Once Through System for respective VHP cycle operation with aeration cycle, as per process requirement, which provides personnel protection. In addition, the downward flow of HEPA filtered air provides protection by minimizing the chance of cross contamination along the work surface of the VHP Pass Box.



GENERAL SPECIFICATION

Sr. No.	Item	Description – Pass Through Boxes	Description – VHP Pass Box
1.	MOC	SS 304 / SS 316 / SS 316L, combination of SS 304 & SS 316 as per – ASTM A	SS 316 L
2.	Two stage filtration (for DPB)	EU 6 – Fine (efficiency 95% down to 5 micron) EU 14 – HEPA Filter – Supply (99.999%) down to 0.3 micron)	EU 14 - HEPA Filter - efficiency 99.999% down to 0.3 microns at supply & exhaust of the pass box.
3.	Motor Blower (for DPB)	Dynamically balanced with suitable rating & size. SS 304 Sandwiched doors with proper gasketing SS Handle and SS Flag Hinges Inner side Bottom corners with be duly covered for easy cleaning. Electro magnetic door interlock with SS indicator & SS Door release switch on both side Digital pressure gauge. Dop Test port	Dynamically balanced with suitable rating & size Toughened Glass Doors on the both side with inflatable gasket to assure the system must be leak proof. SS 316 L Handles, Hinges & other supportive accessories Inner side bottom corners will be duly covered for easy cleaning Door interlocking system to assure that only one side door can be accessed at given time with its accessibility though automatically programmable control system.
4.	Operating Conditions Air Cleanliness Air Velocity Air Flow Noise Level	ISO class 5 (ISO 14644 -1 : 2015 (E)) 0.45 +-0.05 mps. (for DPB) Vertical – Re-circulatory (for DPB) Less Than 67dB on scale ‘A’ when ambient is not greater than 55dB on scale ‘A’ (for DPB)	Single Wall Construction with mirror finishing in the contact area and matt finishing in the non contact area VHP Integration tank of one litre capacity in built in the system which is further interconnected with the VHP reservoir
5.	Vibration Level Optional Accessories	Minimum Mechanical Interlocking U.V. Light with Hour meter with interlocking arrangement to put - off U.V. light if either open Support stand to mount the pass box on wall. Flange for sealing the Gap between the pass box and the clean room wall Flame Proof Fitting	U.V. Light with hour meter with interlocking arrangement to put -off U.V. light if either side door opens. Flame Proof Fitting