

# Pass Box

A pass box is an auxiliary device for cleanrooms. It enables the transfer of materials and tools between classified areas or between a classified area and a non-classified area. Widely used in industries and facilities requiring cleanrooms, such as semiconductors, electronics, biological laboratories, pharmaceutical plants, hospitals, and food processing.



▲ Typical Pass Box Controller

## Product Features

- Door Buffer Design: Reduces impact damage and noise during operation
- Magnetic Lock & Sealing: Integrated magnetic locks with gaskets ensure positive pressure isolation without leakage
- Smooth Interior: Seamless, dead-corner-free design for easy cleaning
- Versatile Configurations: Available in single/double-layer, triple-door, explosion-proof, door lifting, and bottomless types

## Standard Configuration

- SUS304L brushed stainless steel plate
- Brand HEPA filter
- Low-noise centrifugal fan
- Dial-Type High-Precision Pressure Gauge
- Large glass panel with interlock function
- Buttons for on-off, lighting, etc

## Optional Configuration

- Remote Digital High-Precision Differential Pressure Gauge
- Built-in Intercom System
- Perforated rack
- Microcomputer Touch Control
- UV Sterilization Lamp
- Touch screen /Sensor-Activated Door Opening

## Product Highlights

- Easy Access: Touch screen or sensor-activated opening for user-friendly operation and reliable sealing
- Hygienic bottom Design: U-shaped bottom eliminates corners for thorough, easy cleaning

## Standard Models & Technical Parameters

Model	External Dimensions (WxDxH) mm	Internal Dimensions (WxDxH) mm	UV Lamp (W)	Weight (kg)	Consumption (kW)
BCDC-040040	620x460x640	400x400x400	6x2	45	0.4
BCDC-050050	720x560x740	500x500x500	8x2	65	
BCDC-060060	820x660x840	600x600x600	8x2	85	
BCDC-060080	820x660x1040	600x600x600	8x2	100	
BCDC-070070	920x760x940	700x700x700	15x2	110	
BCDC-080080	1020x860x1040	800x800x800	20x2	135	
BCDC-100100	1220x1060x1240	1000x1000x1000	20x2	195	

Model	External Dimensions (WxDxH) mm	Internal Dimensions (WxDxH) mm	Airflow Velocity m/s	UV Lamp (W)	Noise Level dB(A)	Consumption (kW)
BCDC-040040	620x460x1000	400x400x400	0.45±20%	6x2	≤65	0.2
BCDC-050050	720x560x1100	500x500x500		8x2		
BCDC-060060	820x660x1200	600x600x600		8x2		
BCDC-060080	820x660x1400	600x600x800		8x2		
BCDC-070070	920x760x1300	700x700x700		15x2		0.3
BCDC-080080	1020x860x1400	800x800x800		20x2		
BCDC-100100	1220x1060x1600	1000x1000x1000		20x2		