



1 Wide range of functions

DOP dynamic pass box is a kind of assistant equipment for clean room, mainly used to pass small articles between clean rooms and unclean rooms or between two clean rooms, in order to reduce the number of door opening, and minimized cross pollution.

2 Core value

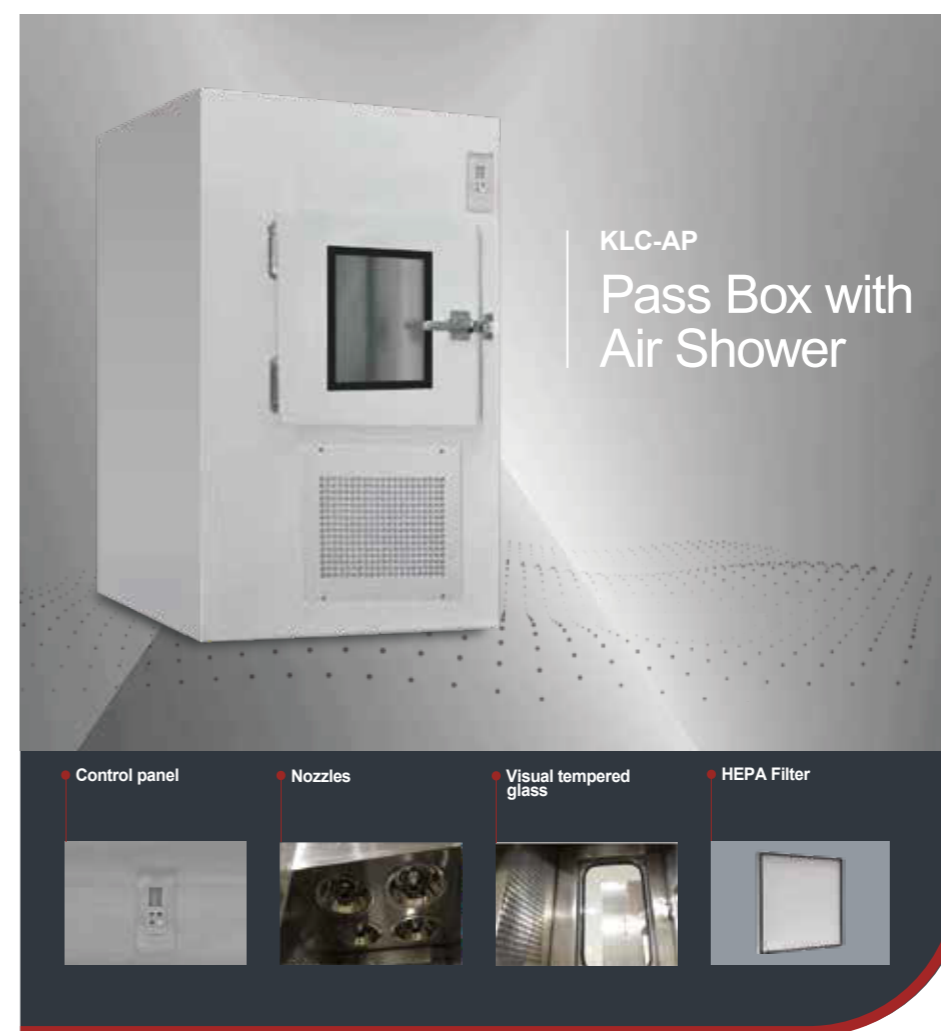
DOP dynamic pass box can act as an air lock to prevent high-pressure leakage into clean room; also can achieve self-cleaning effect during the transfer process to ensure that the articles entering the clean area are cleaned and dust-free, to reduce cross-contamination.

3 Quality selection

Work area with polish stainless steel plate which is more smooth and wear-resistant. The cabinet surface adopts cold rolled steel or stainless steel.

4 Application

Mainly used in biopharmaceutical, microbiology research and scientific experiments etc.



1 Quality selection

Work area with polish stainless steel plate which is more smooth and wear-resistant. The cabinet surface adopts cold rolled steel or stainless steel.

2 Good sealing

Doors in two sides with mechanical or electronic interlock device makes them cannot be in open state at the same time.

3 Filtration efficiency is guaranteed

Adopting KLC mini-pleat HEPA filter. filtration efficiency is 99.99%

4 Multi optional components

According to the production process-requirements and your needs, can design various sizes, can choose to install efficient sterilization lamps.

5 Application

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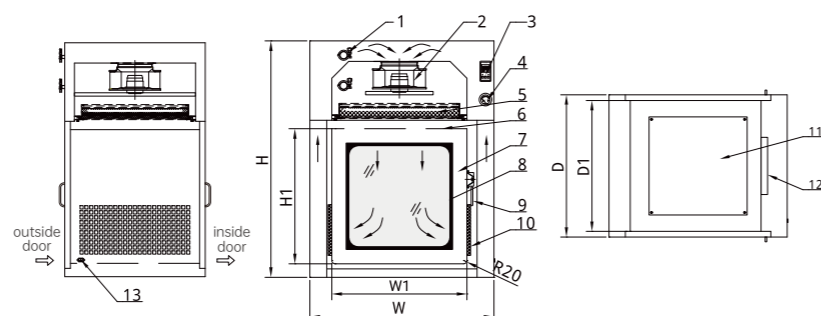
Item	Standard DOP Dynamic Pass Box			
Model	LPB-500	LPB-600	LPB-750	LPB-800
External size (WxLxHmm)	790x570x1100	890x670x1200	1040x820x1350	1090x870x1400
Internal size (WxLxHmm)	500x500x500	600x600x600	750x750x750	800x800x800
Work area rated air volume (m³/h)	400	600	900	1050
Wind speed (m/s)	0.45 ± 20%			
Wind blow time	Air shower time: 1minute (0~99 minutes adjustable)			
Purification rank (std. ISO14644-1)	100	100	100	100
Efficiency (%0.3µm)	99.995	99.995	99.995	99.995
Noise dB (1m from equipment)	≤58	≤58	≤58	≤58
Power supply (V/Hz)	220V/50	220V/50	220V/50	220V/50
Power (W)	120	120	130	130

Item	Standard Pass Box with Air Shower	
Model	AP-600	AP-800
External size (WxLxHmm)	950*600*1450	1150*800*1650
Internal size (WxLxHmm)	600*600*600	800*800*800
Chamber height from floor	500mm	500mm
Cabinet material	Powder coated steel / Stainless steel	
Nozzle in stainless steel (pc)	4	6
Nozzle wind speed (m/s)	≥25	≥25
Efficiency (%0.3µm)	99.99	99.99
Noise dB (1m from equipment)	<68	<68
Power supply	220V/50Hz	220V/50Hz
Power (W)	550	550

Parameter

- 1 PAO test ports (aerosol inject and sampling port)
- 2 Fan
- 3 Electronic control panel
- 4 Differential pressure gauge
- 5 Gel-type HEPA filter
- 6 Diffuser
- 7 Embedded door
- 8 Transparent glass - double layer black edged tempered glass
- 9 Stainless steel handle
- 10 G2 Pre filter
- 11 Maintenance board
- 12 UV lamp
- 13 Power connector

1. From unclean area to clean zone: open outside door and put in articles > close outside door > automatic shower > open inside door and take out articles when shower finished.
 2. From clean zone to unclean area: open inside door and put in articles > open inside door > no shower > open outside and take out articles.



Optional Configuration

- UV lamp
- LED lamp
- PLC+HMI
- Timer
- Door alarm
- Customized supply
- Customized size
- Installation bracket

Parameter

- 1. Control panel
- 2. HEPA filter
- 3. Handle
- 4. Pre-filter
- 5. Fan
- 6. Power connector
- 7. Stainless steel nozzle
- 8. Tempered glass

