

Cleanroom Equipment



PASS BOXES

PASS BOXES

- Dynamic pass boxes
- Static pass boxes



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PASS BOXES

Cleangrad's Pass Box provides a safe and efficient way to transfer raw materials, finished products or packed items between areas of different clean room classification, minimizing the risk of contamination.

In order to provide a high level safety, a variety of types with different characteristics, installation options and equipment, can be applied to the device.

Despite all the safety measures the entire system was deliberately created on a simple, practical and user-friendly design with high quality standard and many tailor made possibilities.



Advantages

- Tailor made dimensions
- Quality materials
- Perfectly cleanable
- Own developed handle
- Single handed operation
- Own developed adjustable hinges
- Additional extraction channel
- Tailor made PLC programming
- Safety and Reliability
- Fast delivery
- Service, installation and support

Use

- pharmaceutical
- healthcare
- microbiology
- nanotechnology
- food industry
- nuclear industry
- research institutions
- microelectronics

Minimum and maximum dimensions:

	ACTIVE	IN/OUT WITH UV	PASSIVE
WIDTH	450-1800 mm		300-1800 mm
DEPTH	450-1800 mm		350-1800 mm
HEIGHT	300-2000 mm		300-2000 mm

Technical specifications:

COMPONENTS	MATERIALS	PASSBOXES TYPES
BODY	Stainless steel 1.4301 or 1.4404	Wall mounted
SURFACE	Fine polished with non visible welding	Floor mounted
DOORS	Full tempered glass door 12 mm or glass door with SS frame	3-Way passbox
HINGES	Stainless steel 1.4301 or 1.4404	L-shape
HANDLE	Stainless steel 1.4301 or 1.4404	Double passbox
OPTIONAL EQUIPMENT	Filter (HEPA) One or two blower Shelves UV-light Analog/Digital pressure sensor	PLC based controller Signal lights HMI Display Electrical and/or mechanical interlock



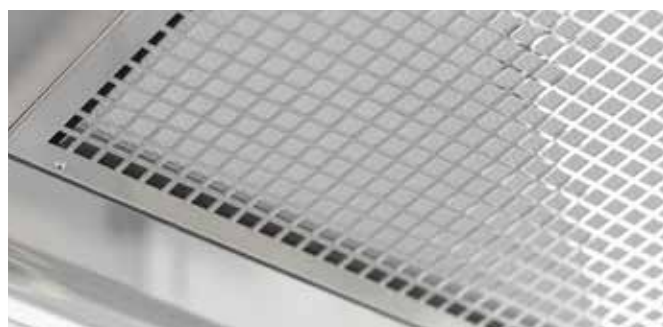
3-WAY PASS BOX



OWN DEVELOPED STAINLESS STEEL HANDLE WITH LOCK



OWN DEVELOPED STAINLESS STEEL ADJUSTABLE HINGES



HEPA FILTER



HMI DISPLAY

STATIC PASS BOX

Internal dimensions (WxDxH)	External dimensions (WxDxH)	WM	FM	MI	MEI	Additional equipment							
						Filter (HEPA)	Blower	UV- lights	Shelves	HMI Display (on both sides)	HMI Display (on one side)	Analog pressure gauge	Digital pressure gauge
600x600x600mm	700x640x700mm	x		x					x				
700x700x700mm	800x740x800mm	x		x					x				
800x800x800mm	950x840x1100mm	x		x					x				
900x900x900mm	900x940x900mm	x		x					x				
600x600x600mm	750x640x900mm	x			x				x				
700x700x700mm	850x740x1000mm	x			x				x				
800x800x800mm	950x840x1100mm	x			x				x				
900x900x900mm	1050x940x1200mm	x			x				x				
900x900x900	1000x940x950mm		x	x					x				
1000x1000x1000	1100x1040x1050mm		x	x					x				
1100x1100x1100	1200x1140x1150mm		x	x					x				
1200x1200x1200	1300x1240x1250mm		x	x					x				
900x900x900	1050x940x950mm		x		x				x				
1000x1000x1000	1150x1040x1050mm		x		x				x				
1100x1100x1100	1250x1140x1150mm		x		x				x				
1200x1200x1200	1350x1240x1250mm		x		x				x				

DYNAMIC PASS BOX

600x600x600 mm	750x640x1000mm	x			x	x	x	x	x	x	x	x	x
700x700x700 mm	850x740x1100 mm	x			x	x	x	x	x	x	x	x	x
800x800x800 mm	950x840x1200 mm	x			x	x	x	x	x	x	x	x	x
900x900x900 mm	1050x940x1300 mm	x			x	x	x	x	x	x	x	x	x
1000x1000x1000 mm	1150x1040x1400 mm	x			x	x	x	x	x	x	x	x	x
1000x1000x1000 mm	1150x1040x1350 mm		x		x	x	x	x	x	x	x	x	x
1200x1200x1200 mm	1350x1240x1550 mm		x		x	x	x	x	x	x	x	x	x
1400x1400x1400 mm	1550x1440x1750 mm		x		x	x	x	x	x	x	x	x	x
1600x1600x1600 mm	1750x1640x1950 mm		x		x	x	two	x	x	x	x	x	x

IN/OUT PASS BOX

600x600x600mm	750x640x900mm	x			x	x		x	x	x	x	x	x
700x700x700mm	850x740x1000mm	x			x	x		x	x	x	x	x	x
800x800x800mm	950x840x1100mm	x			x	x		x	x	x	x	x	x
900x900x900mm	1050x940x1200mm	x			x	x		x	x	x	x	x	x
1000x1000x1000mm	1150x1040x1300mm		x		x	x		x	x	x	x	x	x
1200x1200x1200mm	1350x1240x1500mm		x		x	x		x	x	x	x	x	x
1400x1400x1400mm	1550x1440x1700mm		x		x	x		x	x	x	x	x	x

*WM - Wall mounted

*FM - Floor mounted

*MI - Mechanical interlocking system

*MEI - Mechanical and Electronic interlocking system

Note:

L-Type or 3-Way Pass Box have only Electronic interlocking system.