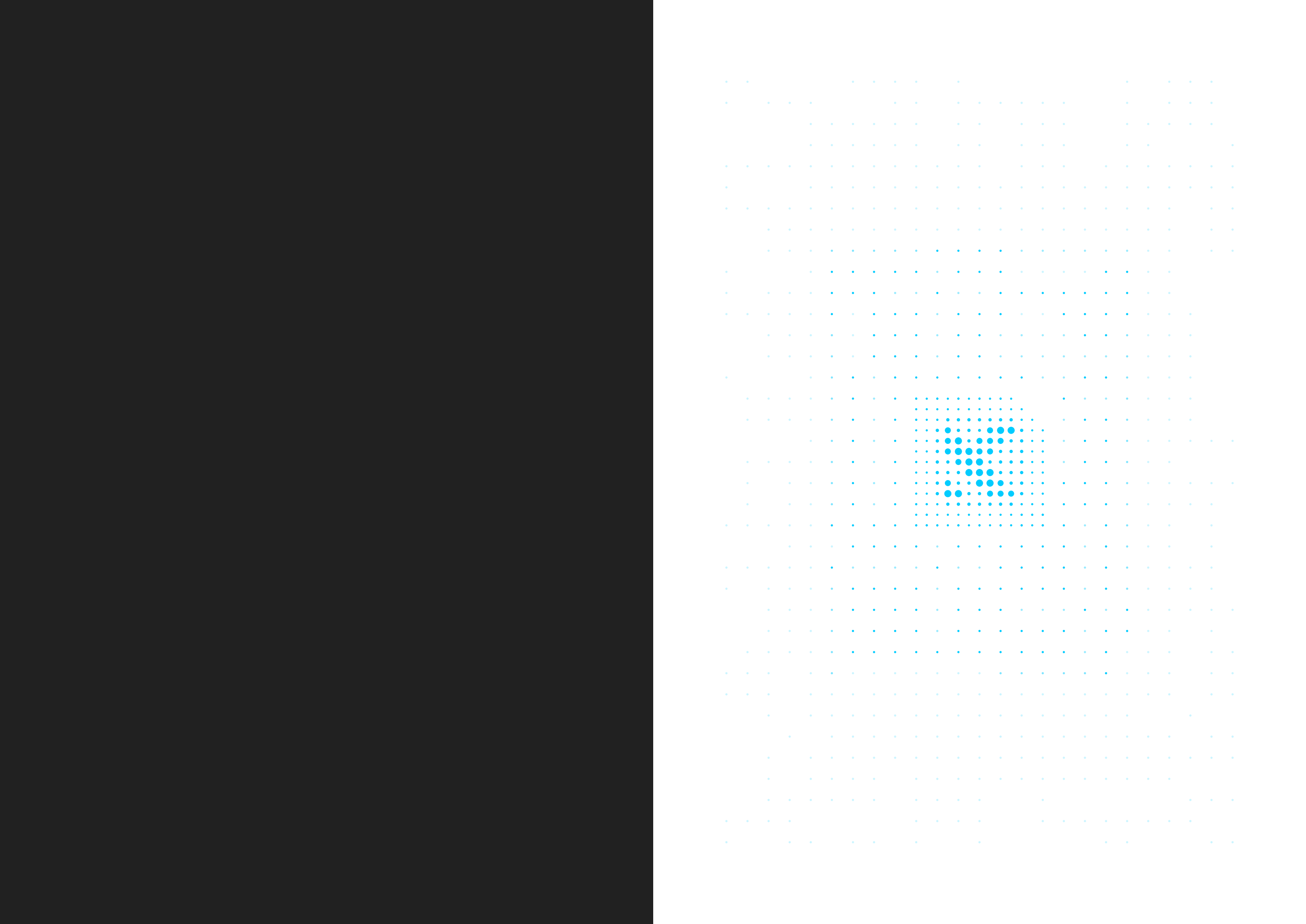


KLEANLABS

CLEANROOM PASSBOXES

Safe and efficient solution for material flow in cleanrooms.





ABOUT KLEANLABS

Thanks to our efficient progression in 2015 KleanLabs established a new manufacturing plant of 1700 m², where we have the capacity to produce five thousand items a year.

Our products were perfected by the experience of developing close to one hundred cleanroom implementations in the past decade. We used our experience to create a product range that withstands extreme mechanical stress, yet is pleasing to the eye. KleanLabs systems fulfill all cleanroom requirements and they are user friendly, as they are easy to install and maintain.

What makes however these products truly unique is the outstandingly competitive prices we are able to maintain. We offer world leading quality much under the prices you might be familiar with. We believe cost-efficiency should never result in opting for low quality.



ABOUT KLEANLABS



Continuous development

We work with hundreds of customers who constantly evaluate our products. Our engineers use this feedback and work with it to keep enhancing our products. We believe in conscious engineering. KleanLabs items have no weak parts, as we are constantly improving every single compartment as well as the whole design.



ISO9001 certified manufacturing system

Our manufacturing system is certified by the International Organisation for Standardisation's 9001 standard that was created to support companies in delivering higher quality, safer, and more sustainable products and services. KleanLabs is not only compliant with this standard, but is certified.



Made in the European Union

We are proud to solely rely on the best quality components when creating our products. For this, we only work with partners in the European Union that has one of the most reliable and most strictly regulated markets in the world. For the best possible outcome, our products are also assembled in the European Union.



CE marked

Our products are CE conforming, that ensures our declaration that they meet the high-standard requirements of the European community's product directives. It not only provides a legal base for KleanLabs to be put on the market, but also sets strict and essential requirements in quality, health, safety and environmental protection.



EN ISO 14644 compliance

Our cleanroom products are compliant with the European Standard EN ISO 14644 standards. This means if you use our pass boxes, they will maintain the required air cleanliness in your cleanroom environment. Our pass-through boxes also do not interfere with the conditions in which that level of cleanliness has to be controlled and maintained.

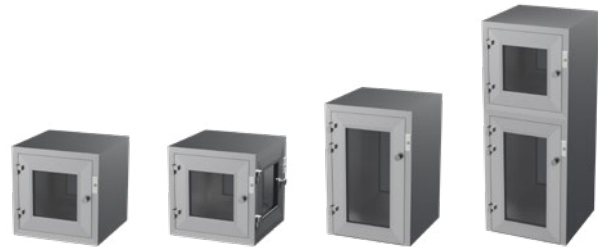
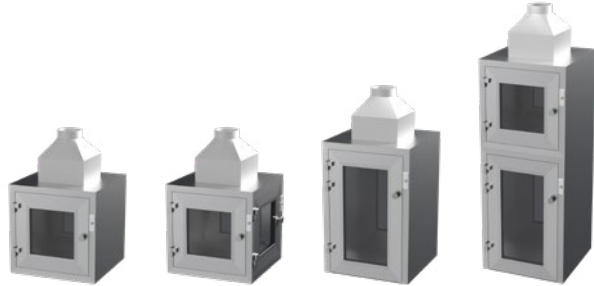



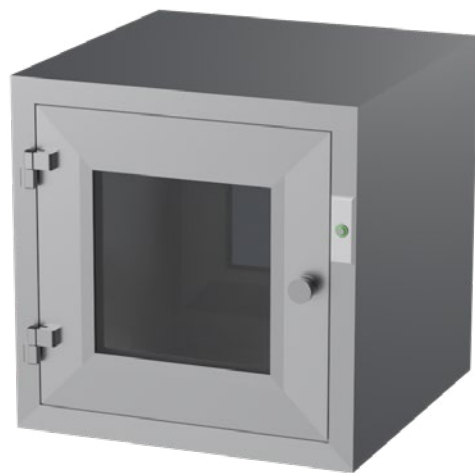
GMP compliance

The strict GMP guidelines of the European Union require cleanrooms to meet certain particle numbers both during operation and the manufacturing process. KleanLabs products will not hold you back from meeting these GMP qualifying standards, even from GRADE 1 level.

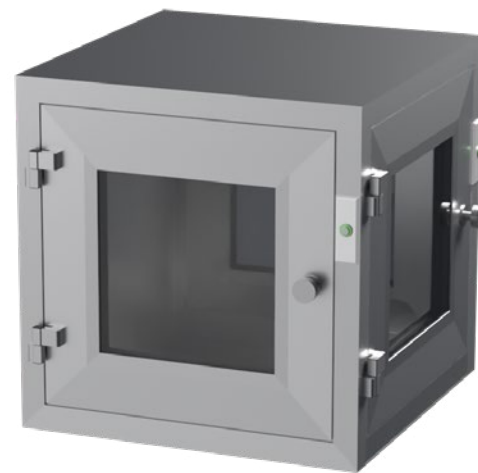


PRODUCTS

PRODUCT VERSIONS	STATIC				SEMI ACTIVE				DYNAMIC			
MODEL VERSIONS	 STANDARD 3 DOORS TROLLEY COMBI				 STANDARD 3 DOORS TROLLEY COMBI				 STANDARD 3 DOORS TROLLEY COMBI			
PURPOSES	ISO-14644/GMP simple material transfer between two spaces. No ventilation, or filtering.				ISO-14644/GMP simple material transfer between two spaces. No ventilation, or filtering.				ISO-14644/GMP simple material transfer between two spaces. No ventilation, or filtering.			
CUSTOM DIMENSIONS	✓				✓				✓			
DOORS INTERLOCKING	✓				✓				✓			
STAINLESS STEEL BODY	✓				✓				✓			
ANODIZED ALUMINUM FRONTS	✓				✓				✓			
HIGH PERFORMANCE HARDWARE	✓				✓				✓			
WALL-MOUNTED VERSION	✓				✓				✓			
FLOOR-MOUNTED VERSION	✓				✓				✓			
REMOTE CONTROL BOARD	✓				✓				✓			
BUILT-IN CONTROL BOARD	✗				✗				✗			
HEPA FILTERING	✗				✗				✗			
BUILT-IN FAN MOTOR	✗				✗				✗			
RECIRCULATION	✗				✗				✗			
PRE-FILTERED AIR	✗				✗				✗			
STAND-ALONE UNIT	✗				✗				✗			



STANDARD



3 DOORS

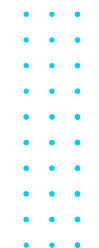


TROLLEY



COMBI

STATIC



A cleanroom pass box is a great tool to avoid contamination between cleanroom and non-cleanroom environments while transporting items in and out of the room. These boxes can be useful in laboratories, hospitals and pharmaceutical or light-industrial environments. Our products comply with ISO14644 standards.

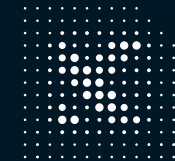


STATIC





Static cleanroom pass boxes offer cost effective solution for either between two cleanroom areas, or in case your product makes its way in and out of the box quickly and doesn't require long storage. It is ideal to install this box in cleanroom environments where ventilation is not required in the pass box. It is possible to install this box into preexisting systems.

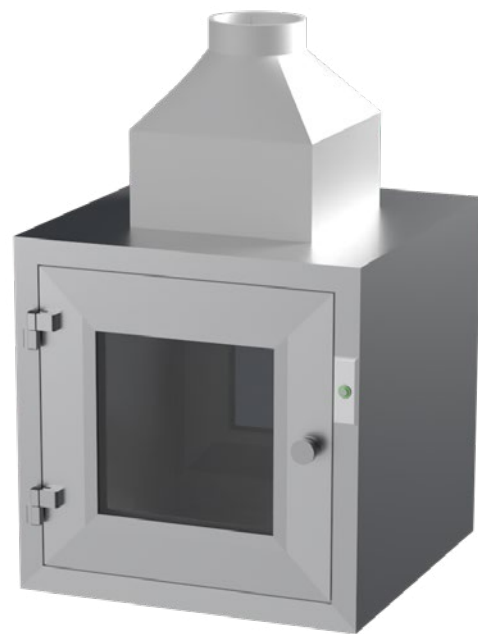
PURPOSES	ISO-14644/GMP simple material transfer between two spaces. No ventilation, or filtering.	
CUSTOM DIMENSIONS		✓
DOORS INTERLOCKING		✓
STAINLESS STEEL BODY		✓
ANODIZED ALUMINUM FRONTS		✓
HIGH PERFORMANCE HARDWARE		✓
WALL-MOUNTED VERSION		✓
FLOOR-MOUNTED VERSION		✓
REMOTE CONTROL BOARD		✓
BUILT-IN CONTROL BOARD		✗
HEPA FILTERING		✗
BUILT-IN FAN MOTOR		✗
RECIRCULATION		✗
PRE-FILTERED AIR		✗
STAND-ALONE UNIT		✗



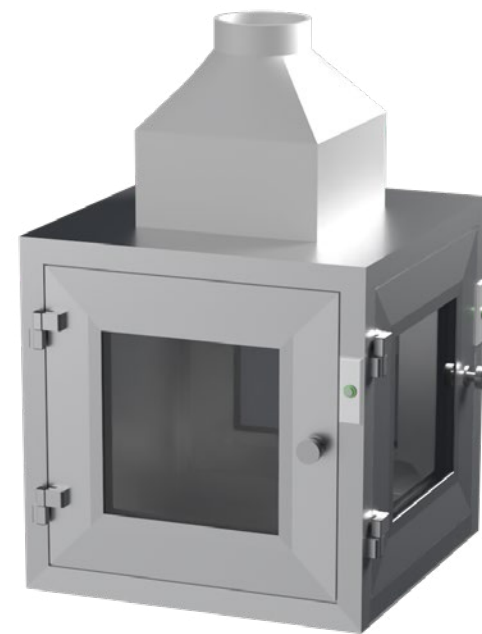


COMPARISON

	STATIC STANDARD	STATIC COMBI	STATIC 3-DOORS	STATIC TROLLEY
MODEL VERSIONS	 STANDARD	 COMBI	 3DOORS	 TROLLEY
OUTER DIMENSIONS	600*600*600	600*600*1500	600*600*600	900*900*900
INNER DIMENSIONS W*D*H (MM)	500*520*500	500*520*900/550	500*520*500	800*820*850
MATERIAL	AISI 316L Stainless steel /Anodised AL	AISI 316L Stainless steel /Anodised AL	AISI 316L Stainless steel /Anodised AL	AISI 316L Stainless steel /Anodised AL
CUSTOM SIZE	✓	✓	✓	✓
NO OF DOORS	2	2	3	2
INTERLOCKING	✓	✓	✓ / 3 doors	✓
AIR SYSTEM	×	×	×	×
FILTERING	×	×	×	×
DUCTING	×	×	×	×
SHAPING	Combi shape: material transfer on top, trolleys at the bottom	Combi shape: material transfer on top, trolleys at the bottom	3 doors shape: For wall connection of 3 different rooms	Special shape for trolleys, without a threshold
APPLICATION	For ISO-14644/GMP clean rooms, laboratories. Simple material transfer solution between clean environments, or between clean zone – outer rooms.	For ISO-14644/GMP clean rooms, laboratories. Professional solution in case the wall surface is limited, but materials have to be moved by trolleys and a solution for tray or manual transfers is also required.	For ISO-14644/GMP clean rooms, laboratories. Professional solution in case cleanroom products need to be accessed in the box from 3 different rooms.	For ISO-14644/GMP clean rooms, laboratories. Simple material transfer solution in clean spaces, where materials are moved by trolleys or carts.
SHAPING	-AISI 316L stainless steel body -Anodized Aluminum doors and box fronts -Durable, 3D adjustable hinges -Turnable hygienic S/S knob -Silicone sealed airtight joints -Glazed doors -Interlocking operation with remote switchboard	-AISI 316L stainless steel body -Anodized Aluminum doors and box fronts -Durable, 3D adjustable hinges -Turnable hygienic S/S knob -Silicone sealed airtight joints -Glazed doors -Interlocking operation with remote switchboard	-AISI 316L stainless steel body -Anodized Aluminum doors and box fronts -Durable, 3D adjustable hinges -Turnable hygienic S/S knob -Silicone sealed airtight joints -Glazed doors -Interlocking operation with remote switchboard	-AISI 316L stainless steel body -Anodized Aluminum doors and box fronts -Durable, 3D adjustable hinges -Turnable hygienic S/S knob -Silicone sealed airtight joints -Glazed doors -Interlocking operation with remote switchboard
POWER SUPPLY	220 Volts / 50 Hz	220 Volts / 50 Hz	220 Volts / 50 Hz	220 Volts / 50 Hz
INTERLOCKING VOLTAGE	24V DC	24V DC	24V DC	24V DC



STANDARD



3 DOORS

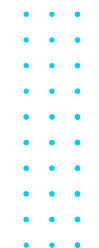


TROLLEY



COMBI

SEMI ACTIVE



A cleanroom pass box is a great tool to avoid contamination between cleanroom and non-cleanroom environments while transporting items in and out of the room. These boxes can be useful in laboratories, hospitals and pharmaceutical or light-industrial environments. Our products comply with ISO14644 standards.

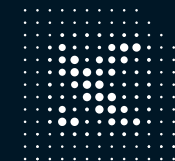


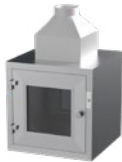

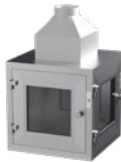

SEMI ACTIVE

Semi active pass boxes protect your cleanroom by inflating. This model is recommended to be used between cleanrooms and non-validated environments, or between two cleanrooms for extra protection. Staying longer in the pass box will not affect your product negatively. This model needs to be installed into your preexisting air handling system. It also contains a HEPA filter that filters 99.97% of contamination.

PURPOSES	ISO-14644/GMP filtered material transfer between two spaces. Can be integrated into an already-existing HVAC system.	
CUSTOM DIMENSIONS	✓	
DOORS INTERLOCKING	✓	
STAINLESS STEEL BODY	✓	
ANODIZED ALUMINUM FRONTS	✓	
HIGH PERFORMANCE HARDWARE	✓	
WALL-MOUNTED VERSION	✓	
FLOOR-MOUNTED VERSION	✓	
REMOTE CONTROL BOARD	✓	
BUILT-IN CONTROL BOARD	✗	
HEPA FILTERING	✓	
BUILT-IN FAN MOTOR	✗	
RECIRCULATION	depends on HVAC system	
PRE-FILTERED AIR	✗	
STAND-ALONE UNIT	✗	





MODEL VERSIONS	SEMI ACTIVE STANDARD	SEMI ACTIVE COMBI	SEMI ACTIVE 3-DOORS	SEMI ACTIVE TROLLEY
	 STANDARD	 COMBI	 3-DOORS	 TROLLEY
OUTER DIMENSIONS W*D*H (MM)	600*600*600	600*600*1500	600*600*600	900*900*900
OUTER DIMENSIONS WITH FILTER UNIT W*D*H	600*600*990	600*600*1890	600*600*990	900*900*1290
INNER DIMENSIONS W*D*H (MM)	500*520*500	500*520*900/550	500*520*500	800*820*850
MATERIAL	AISI 316L Stainless steel /Anodized AL	AISI 316L Stainless steel /Anodised AL	AISI 316L Stainless steel /Anodised AL	AISI 316L Stainless steel /Anodised AL
CUSTOM SIZE	✓	✓	✓	✓
NO OF DOORS	2	2	3	2
INTERLOCKING	✓	✓	✓ / 3 doors	✓
AIR SYSTEM	Needs central HVAC system, with air supply ducting	Needs central HVAC system, with air supply ducting	Needs central HVAC system, with air supply ducting	Needs central HVAC system, with air supply ducting
RECIRCULATED AIR	Depends on central HVAC and return air option	Depends on central HVAC and return air option	Depends on central HVAC and return air option	Depends on central HVAC and return air option
FILTERING	Yes, HEPA H13	Yes, HEPA H13	Yes, HEPA H13	Yes, HEPA H13
PARTICLE COLLECTION	99.95%	99.95%	99.95%	99.95%
DUCTING	Needs to be connected. Diameter 160 mm	Needs to be connected. Diameter 160 mm	Needs to be connected. Diameter 160 mm	Needs to be connected. Diameter 160 mm
AIR DRAIN VALVE	✓	✓	✓	✓
SHAPING	Symmetrical shape for simple wall installation	Combi shape: material transfer on top, trolleys at the bottom	3 doors shape: For wall connection of 3 different rooms	Special shape for trolleys, without a threshold
APPLICATION	For ISO-14644/GMP clean rooms, laboratories. Clean material transfer solution between cleanroom environments, or between clean zone – outer rooms.	For ISO-14644/GMP clean rooms, laboratories. Professional and clean solution in case the wall surface is limited, but material has to be moved by trolleys and a solution for manual transfer is also required.	For ISO-14644/GMP clean rooms, laboratories. Professional and clean solution in case the cleanroom product needs to be accessed from 3 different rooms.	For ISO-14644/GMP clean rooms, laboratories. Clean material transfer solution in clean environments, where materials are moved by trolleys or carts.
SHAPING	<ul style="list-style-type: none">-AISI 316L stainless steel body-Anodized Aluminum doors and box fronts-Durable, 3D adjustable hinges-Turnable hygienic S/S knob-Silicone sealed airtight joints-Glazed doors-Interlocking operation with remote switchboard-H13 HEPA filtering in steel anemostate house-Adjustable air drain valve	<ul style="list-style-type: none">-AISI 316L stainless steel body-Anodized Aluminum doors and box fronts-Durable, 3D adjustable hinges-Turnable hygienic S/S knob-Silicone sealed airtight joints-Glazed doors-Interlocking operation with remote switchboard-H13 HEPA filtering in steel anemostate house-Adjustable air drain valve	<ul style="list-style-type: none">-AISI 316L stainless steel body-Anodized Aluminum doors and box fronts-Durable, 3D adjustable hinges-Turnable hygienic S/S knob-Silicone sealed airtight joints-Glazed doors-Interlocking operation with remote switchboard-H13 HEPA filtering in steel anemostate house-Adjustable air drain valve	<ul style="list-style-type: none">-AISI 316L stainless steel body-Anodized Aluminum doors and box fronts-Durable, 3D adjustable hinges-Turnable hygienic S/S knob-Silicone sealed airtight joints-Glazed doors-Interlocking operation with remote switchboard-H13 HEPA filtering in steel anemostate house-Adjustable air drain valve
POWER SUPPLY	220 Volts / 50 Hz	220 Volts / 50 Hz	220 Volts / 50 Hz	220 Volts / 50 Hz
INTERLOCKING VOLTAGE	24V DC	24V DC	24V DC	24V DC

COMPARISON



STANDARD



3 DOORS

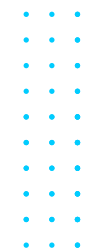


TROLLEY



COMBI

DYNAMIC



A cleanroom pass box is a great tool to avoid contamination between cleanroom and non-cleanroom environments while transporting items in and out of the room. These boxes can be useful in laboratories, hospitals and pharmaceutical or light-industrial environments. Our products comply with ISO14644 standards.







DYNAMIC

Active pass boxes inflate your cleanroom and offer full protection. We recommend this model to use for transferring products from a cleanroom to a non-cleanroom environment. It is possible for your product that require cleanroom environment to stay in the box for a longer period of time. Active boxes don't need additional infrastructure because it has every equipment built in that is needed for complex air handling. They also include a HEPA filter.

PURPOSES	ISO-14644/GMP filtered material transfer between two spaces. Can be integrated into an already-existing HVAC system.	
CUSTOM DIMENSIONS	✓	
DOORS INTERLOCKING	✓	
STAINLESS STEEL BODY	✓	
ANODIZED ALUMINUM FRONTS	✓	
HIGH PERFORMANCE HARDWARE	✓	
WALL-MOUNTED VERSION	✓	
FLOOR-MOUNTED VERSION	✓	
REMOTE CONTROL BOARD	×	
BUILT-IN CONTROL BOARD	✓	
HEPA FILTERING	✓	
BUILT-IN FAN MOTOR	✓	
RECIRCULATION	✓	
PRE-FILTERED AIR	✓	
STAND-ALONE UNIT	✓	





MODEL VERSIONS	DYNAMIC STANDARD	DYNAMIC COMBI	DYNAMIC 3-DOORS	DYNAMIC TROLLEY
	 STANDARD	 COMBI	 3-DOORS	 TROLLEY
OUTER DIMENSIONS W*D*H (MM)	600*600*860	600*600*1760	600*600*860	900*900*1600
INNER DIMENSIONS W*D*H (MM)	500*520*500	500*520*900/550	500*520*500	800*820*850
MATERIAL	AISI 316L Stainless steel /Anodized AL	AISI 316L Stainless steel /Anodized AL	AISI 316L Stainless steel /Anodized AL	AISI 316L Stainless steel /Anodized AL
CUSTOM SIZE	✓	✓	✓	✓
NO OF DOORS	2	2	3	2
INTERLOCKING	✓	✓	✓ / 3 doors	✓
AIR SYSTEM	With integrated fan and HEPA filter	With integrated fan and HEPA filter	With integrated fan and HEPA filter	With integrated fan and HEPA filter
RECIRCULATED AIR	✓	✓	✓	✓
FILTERING	Yes, HEPA H13	Yes, HEPA H13	Yes, HEPA H13	Yes, HEPA H13
PARTICLE COLLECTION	99.95%	99.95%	99.95%	99.95%
DUCTING	Integrated	Integrated	Integrated	Integrated
AIR DRAIN VALVE	✗	✗	✗	✗
SHAPING	Symmetrical shape for simple wall installation	Combi shape: material transfer on top, trolleys at the bottom	3 doors shape: For wall connection of 3 different rooms	Special shape for trolleys, without a threshold
APPLICATION	For ISO-14644/GMP clean rooms, laboratories. Clean – and high efficiency filtered material transfer solution between cleanroom environments, or between clean zone – outer rooms.	For ISO-14644/GMP clean rooms, laboratories. Clean – and high efficiency filtered transfer solution in case the wall surface is limited, but materials have to be moved by trolleys and manual transfer is also required.	For ISO-14644/GMP clean rooms, laboratories. Clean – and high efficiency filtered transfer solution where the cleanroom product need to be accessed from 3 different rooms.	For ISO-14644/GMP clean rooms, laboratories. Clean – and high efficiency filtered transfer solution in clean zones, where materials are moved by trolleys or carts.
SHAPING	<ul style="list-style-type: none">-AISI 316L stainless steel body-Anodized Aluminum doors and box fronts-Durable, 3D adjustable hinges-Turnable hygienic S/S knob-Silicone sealed airtight joints-Glazed doors-Interlocking operation with remote switchboard-H13 HEPA filtering-Integrated brushless fan motor-Hidden air return channel	<ul style="list-style-type: none">-AISI 316L stainless steel body-Anodized Aluminum doors and box fronts-Durable, 3D adjustable hinges-Turnable hygienic S/S knob-Silicone sealed airtight joints-Glazed doors-Interlocking operation with remote switchboard-H13 HEPA filtering-Integrated brushless fan motor-Hidden air return channel	<ul style="list-style-type: none">-AISI 316L stainless steel body-Anodized Aluminum doors and box fronts-Durable, 3D adjustable hinges-Turnable hygienic S/S knob-Silicone sealed airtight joints-Glazed doors-Interlocking operation with remote switchboard-H13 HEPA filtering-Integrated brushless fan motor-Hidden air return channel	<ul style="list-style-type: none">-AISI 316L stainless steel body-Anodized Aluminum doors and box fronts-Durable, 3D adjustable hinges-Turnable hygienic S/S knob-Silicone sealed airtight joints-Glazed doors-Interlocking operation with remote switchboard-H13 HEPA filtering-Integrated brushless fan motor-Hidden air return channel
POWER SUPPLY	220 Volts / 50 Hz	220 Volts / 50 Hz	220 Volts / 50 Hz	220 Volts / 50 Hz
INTERLOCKING VOLTAGE	24V DC	24V DC	24V DC	24V DC

COMPARISON



OPTIONS



OPTIONS



UV light

Germicidal and antibacterial UV lights can be installed into our pass boxes upon request. Request this addition for an enhanced protection, as these short-wave ultraviolet radiation destroys the DNA of pathogens.








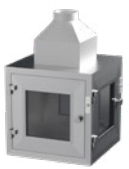
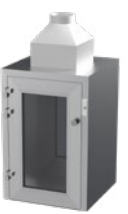





Legs for extra support

In case your pass box extends beyond your wall structure, supporting legs can be installed too. This way the box gets extra support and enhanced security.



Air pressure drain

In case of constant inflating, overpressure can occur inside the box. Request this drain to keep air pressure in control and maximize security.

PRODUCT VERSIONS	STATIC				SEMI ACTIVE				DYNAMIC			
MODEL VERSIONS	 STANDARD	 3 DOORS	 TROLLEY	 COMBI	 STANDARD	 3 DOORS	 TROLLEY	 COMBI	 STANDARD	 3 DOORS	 TROLLEY	 COMBI
MAGNEHELIC PRESSURE GAUGE	✕				Available				Available			
UV-C GERMICIDAL LIGHTS	Available				Available				Available			
AIR PRESSURE DRAIN VALVE	✕				Available				Available			
DOP PORTS	✕				Available				Available			
ATEX VERSION	Available				Available				Available			
DOOR INTERLOCK TIMER	Available				Available				Available			
LED LIGHTS	Available				Available				Available			





FEATURES

Easy to clean

During designing our pass boxes, we payed extra attention to create flat surfaces. This not only enables easy maintenance, but also easy cleaning. The materials covering the boxes are also resistant to every popular cleaning product.

Thick panels

In order to provide strong and reliable quality, pass boxes are reinforced. Their panels are 50 mm thick, so they have an outstandingly high resistance to bending. Their aluminium built will increase their durability and long-lasting functionality.

Easy to integrate

Our boxes are completely system independent. Many of our competitors will build pass boxes that are compatible only with their own wall design. KleanLabs pass boxes however can be installed to any clean room. We designed them so they fit any structure, including sandwich panels and gypsum boards.

Advanced airtightness

You don't have to worry about corrupting your cleanroom's airtightness if you install one of our pass boxes. Thanks to the aluminium profile system, all of our boxes close precisely. Gaskets are premium EPDM models.



FEATURES

Interlocking

We didn't forget about security either. The doors of these boxes are secured with a pin, they have led indicator lights. Optionally they can be equipped with electronic interlock pins for a sluice system, with an emergency button. Install master and slave doors for prioritized access.

Massive box doors

The doors of these boxes are made of anodized aluminium. They are easy to maintain and you can keep them clean effortlessly. We designed these doors to be lightweight and also to be flush with the clean room walls. We are also proud of our outstanding design.

Heavy duty body

For the most massive and stabile fit, our boxes bodies are made of AISI 304L stainless steel material. They are also extremely easy to clean. You also don't have to worry about using popular cleaning products, as they are completely resistant to most of the chemicals.

Industry leading design

We firmly believe, that function does not have to exclude aesthetics. Our company is proud to offer products that are as beautiful to lay an eye on, as functional they are. Our pass boxes come with a pleasing design that is unique in this industry.





KLEANLABS CATALOG





DELIVERY



Worldwide delivery

In case you need your products delivered to your door, no distance or scale is a problem for us. Our professional and experienced partners in logistics offer perfectly reliable delivery options to any country in the world. Feel free to contact us about your custom requests.



2-4 weeks from payment to shipping

We are proud to offer a quick manufacturing process. After payment your product is ready to be shipped in 2-4 weeks. By default, we offer shipping under EXW terms, so our products are ready for pickup at our place of business. Further delivery options however are available upon customer request.



Careful packaging

Securing your product is important to us even after the manufacturing process and through shipping. We carefully pack all our products, so they make it to you without any damage. Protecting foil is applied before shipping for complete safety during delivery.



SUPPORT



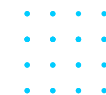
2-year warranty

KleanLabs is proud to stand by the quality of everything it creates. We don't abandon our customers once we delivered, but a one-year warranty is offered to all of our products by default. For extra security and prolonged care, extended warranty is available upon request.



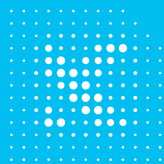
Customer service

We are responsible in what we do; we care for our customers to a great deal. Furthermore, as the manufacturers of our products, we have the best and most efficient solution to any occurring problem. We offer a full-scale customer service, based on the comprehensive knowledge of our experts who designed these products.



Spare part inventory

The benefits of ordering right from the manufacturer is that we keep every component of our products on stock. Should there be any failure or attrition in your coldroom doors, spare parts can be ordered right away from KleanLabs, with fast delivery.



KLEANLABS

COMPANY NAME

Hűtőépítő Kft.

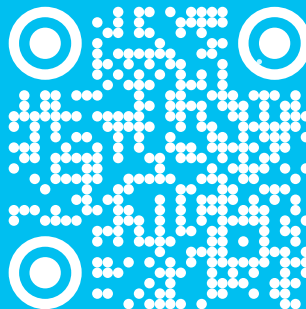
ADDRESS

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3200 Gyöngyös,
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HU14739785



WEBSITE

www.kleanlabs.com

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