

TripleAir SAFE CHANGE UNITS

TripleAir SAFECHANGE housings are fully welded, inline duct housings, designed for the collection of pathogenic and toxic materials, and the protection of the service personnel by providing safe change of the loaded filter elements. The fully enclosing bag system prevents any dangerous particulate escaping from the unit isolates maintenance personnel from the dirty filter during routine change and to facilitate safe filter disposal.



Typical applications include :-

- Pharmaceutical production
- Laboratories
- Biotechnology
- Healthcare
- Animal research
- Environmental Emissions

736x610x580 Main Filter Unit



Clean Room Filtration and Lighting Technology

TripleAir Technology are suppliers of high quality HEPA and ULPA filtration, ceiling grid systems and luminaires for the clean room industry. We offer fully integrated ceiling solutions for projects and cleanroom facilities.

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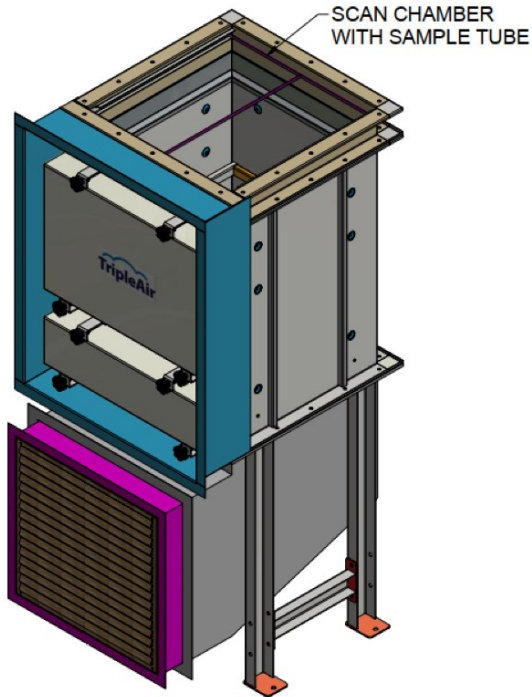
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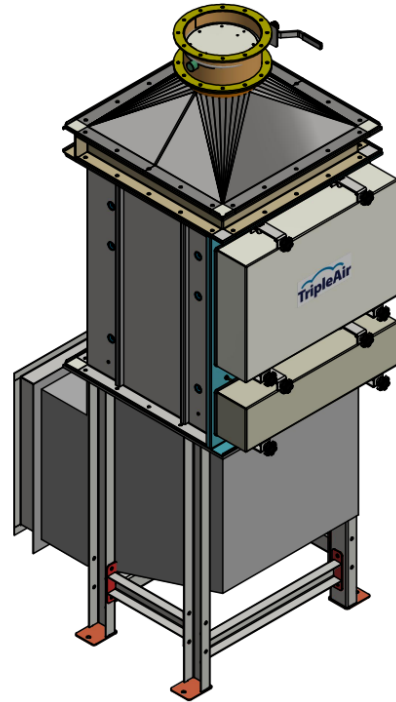
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TripleAir SAFE CHANGE UNITS

Safe Change Unit with Pre and Main filter, showing Scan Chamber, wall collar, Support Legs and Scoop with Grille.



Safe Change Unit with Pre and main filter, Transition, Gas Tight Damper, Support Legs and Scoop.



The Housing comes as standard with an epoxy powder coated finish to white RAL9010, which is easy to decontaminate and resistant to disinfectants. Filters are held in place with a single point clamping system which ensures easy filter change and uniform gasket compression

The airtight door contains the safe change bag in its operating position and the safety locking feature which ensures the filter is clamped before re-fitting the door. Large handwheel locking screws allow excellent grip when using full barrier PPE. The standard unit is designed to work at pressures between 2500Pa +ve and 3000Pa-Ve and is tested in the factory. Housing leakage rates are below ISO 10648-2 rates

Internal and external hardware is manufactured from stainless steel. Test ports are fitted to enable filter differential and up stream concentration levels to be monitored

Clean Room Filtration and Lighting Technology

Visit our website to view our full range of HEPA and ULPA filters, safe change units, fan filter units, ceiling grid systems and cleanroom luminaires.

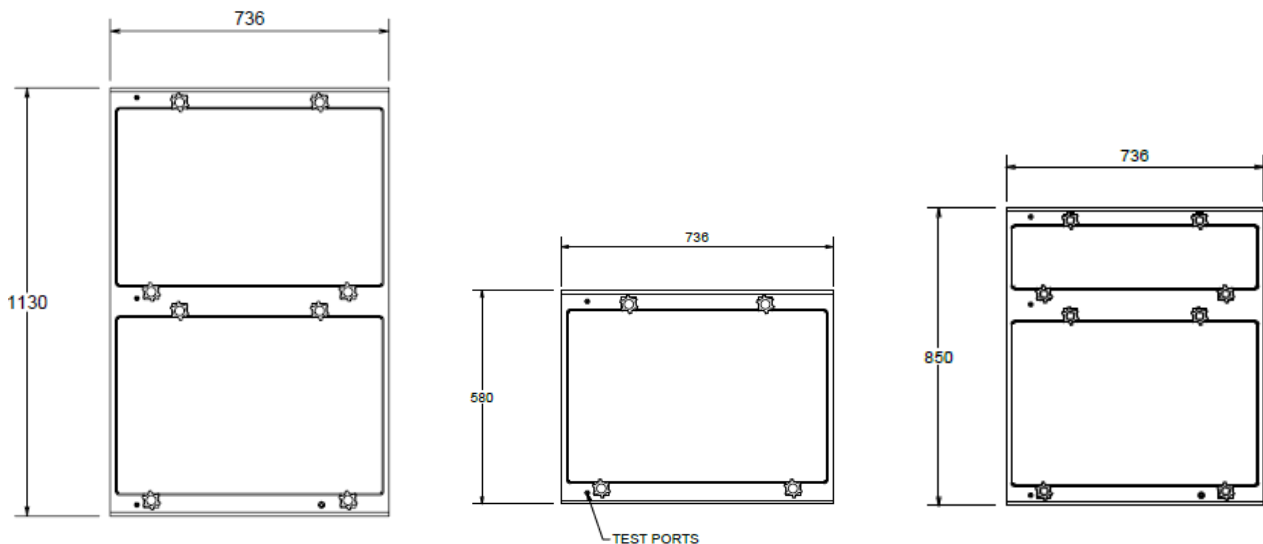
TripleAir Safe Change Housing

Capacity and Models

Standard models	Filter size	Nominal Duty M3/hr
SC1000	305 x 305	1000
SC2000	305 x 610	2000
SC4000	610 x 610	4000
SC5000	762 x 610	5000

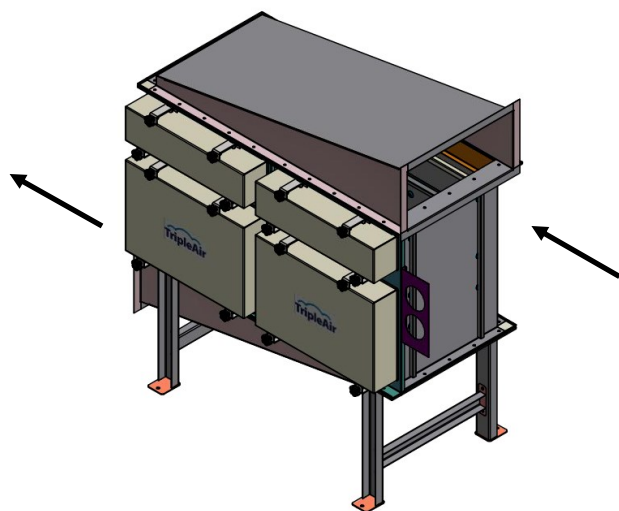
Configurations

	Unit height
Pre Filter	270
Main filter	580
Pre-Main filter	850
Double Main	1160
Pre and double main	1430



Headers

Standard airflow configuration is from top to bottom, either right or left hand side, other versions are available



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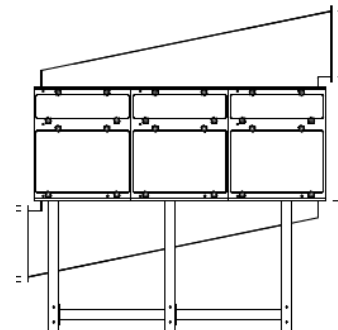
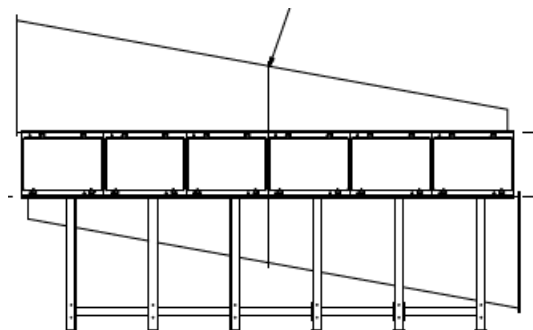
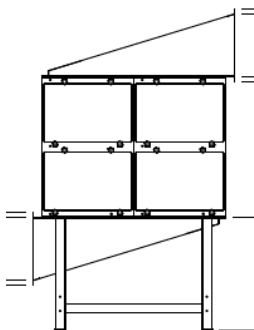
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Banked Units

All Safechange housings can be supplied in banked units with inlet and outlet header ducts, to suit available space and airflow requirements.



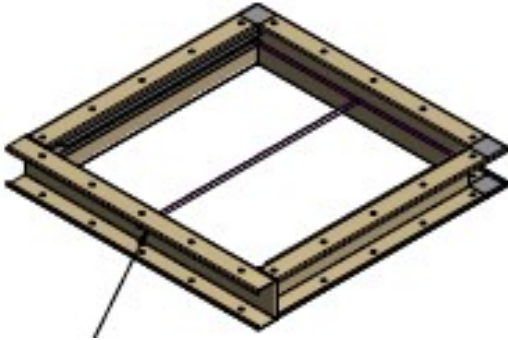
The above shows a 6 module main section back to back



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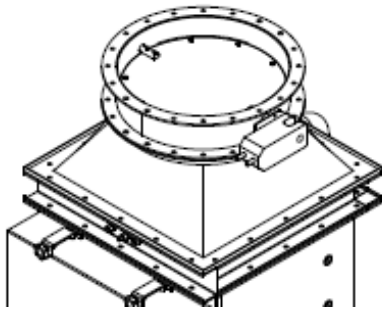
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Options



Scan sections

Enables the installed filter to be scanned in situ with negative pressure ductwork



Isolation dampers

Enables the housing to be isolated from the duct work for filter change, fumigation and general maintenance



High Pressure

Suitable for up to 50,000Pa –Ve pressure where installed with dust extract equipment



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Suitable filters

Pre Filters



Type	Grade	Size	Nominal airflow M3/hr	Pressure drop Pa
Pleated Panel	ISO Course 60%	305 x 305 x 47	627	38
Pleated Panel	ISO Course 60%	305 x 610 x 47	1339	38
Pleated Panel	ISO Course 60%	610 x 610 x 47	2558	38
Pleated Panel	ISO Course 60%	610 x 762 x 47	3346	38
E Comp	ePMI 55%	305 x 305 x 47	500	80
E comp	ePMI 55%	305 x 610 x 47	1000	80
E comp	ePMI 55%	610 x 610 x 47	2000	80
E comp	ePMI55%	610 x 762 x 47	2500	80

Main filter



Type	Grade	Size	Nominal airflow	Pressure drop
Hi Cap	H14	305 x 305 x 292	750	380
Hi cap	H14	305 x 610 x 292	1500	380
Hi Cap	H14	610 x 610 x 292	4000	380
Hi Cap	H14	610 x 762 x 292	5000	380



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