

## TripleAir TERMINAL HEPA housing

Typical applications include supply and extract systems for -

- Pharmaceutical Production and Biotechnology Labs
- Hospitals and Healthcare facilities
- Optical Industries
- Food and Beverage processing



TripleAir TERMINAL HEPA housing is an airtight ceiling filter module, designed for use in turbulent mixing cleanrooms where high quality HEPA-filtered air is required. Room-side change of the HEPA filter element ensures the integrity of the ceiling and duct connection. A gel seal, replaceable HEPA filter provides absolute airtightness and a positive seal between the filter element and the housing.

TripleAir TERMINAL HEPA housings are manufactured from mild steel and finished with an epoxy powder coating to white RAL9010. A differential pressure connection is included for room-side testing, and hanging lugs on top for suspension.

The unit has a concealed grille fixing and can be fitted with swirl, 4-way throw or perforated plate diffusers. Installation of the diffuser is done via the filter clamping bar, which is accessed through a removable centre core.

Filter installation is carried out from the cleanroom side, and can easily be achieved by one person.

TripleAir FLUIDSEAL filters are utilized which feature an integral groove filled with a non-out gassing polyurethane gel, which ensures an airtight seal with the housing. Available in classification ranges from E11-U17 in accordance with EN1822. These filters provide functional reliability with individual factory applied leak or scan tests and come complete with test certificates. The filter size is appx 16mm less than the outside housing dimension, so utilize standard size filters. Available filter configurations are either 80mm or 128mm deep, which offer the possibility to optimize the differential pressure loss across the filter element between 125Pa and 80Pa @ 0.45m/s face velocity.

## 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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[tripleairtechnology.co.uk](http://tripleairtechnology.co.uk)

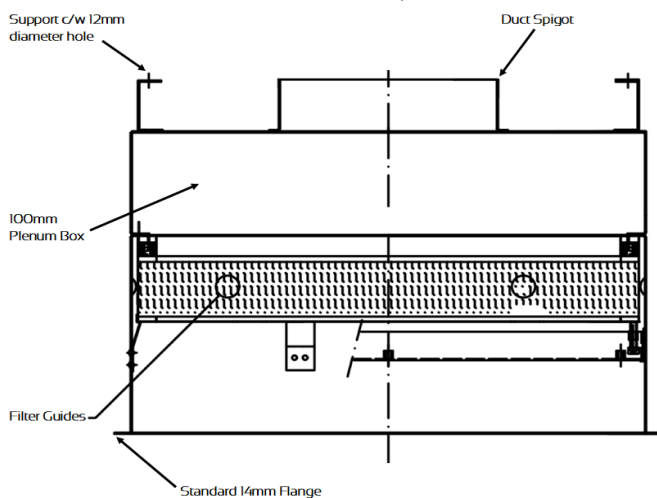
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## Product Range

Style Code	Nominal size WxLxH mm	Filter Size mm	Capacity m <sup>3</sup> /s @ initial 120Pa
TH1212-2G	321x321x292	305x305x80	0.04
TH1212-4G	321x321x340	305x305x128	0.07
TH1818-2G	473x473x292	457x457x80	0.10
TH1818-4G	473x473x340	457x457x128	0.17
TH2424-2G	626x626x292	610x610x80	0.17
TH2424-4G	626x626x340	610x610x128	0.30
TH2436-2G	626x931x292	610x915x80	0.25
TH2436-4G	626x931x340	610x915x128	0.45
TH2448-2G	626x1236x292	610x1220x80	0.33
TH2448-4G	626x1236x340	610x1220x128	0.60

## Notes:

- Nominal housing size excludes flanges (14mm each-side)
- Module height based on top circular or side rectangular. For side circular height increases by spigot diameter -73mm
- Initial pressure based on HI4 HEPA in accordance with EN1822
- Top circular inlets available as standard 200mm & 315mm, other sizes also available
- Side rectangular inlet size is L minus 1mm long x 100mm high
- Other sizes available on request



## TripleAir TERMINAL HEPA

### STANDARD FEATURES:-

- Mild steel construction with RAL9010 epoxy coated finish
- Top circular or side rectangular inlets
- Knife edge seal for gel HEPA
- Differential pressure connection
- Hanging lugs
- Bottom flange
- Swirl, throw diffuser or perforated plate diffuser
- Egg-crate grille
- Imperial sizing to suit cut-out ceilings
- Metric sizing to suit grid centres

### OPTIONS:-

- Stainless Steel construction
- Side circular inlet
- Alternative flange arrangements
- Loose flange
- Burgess/Owa ceiling design detail
- Grada dampers
- Special dampers
- Pressure gauges
- Low level systems
- Back box only (without HEPA)

## 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.

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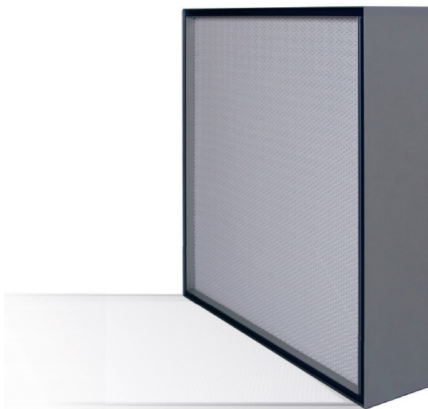
TripleAir Technology specialise in Cleanroom Technology with the ability to offer advice and design assistance as well as sourcing filtration products and components. We also have a warehouse/storage facility for holding critical stock. TripleAir Technology manufacturing facility in the Netherlands is equipped with the state of the art digital media pleater for accurate and consistent quality where standard and non standard filters can be produced to meet our customer's critical requirements.

All our HEPA/ULPA filters are manufactured in accordance with the latest International Standards/Recommendations and are supplied with a unique individual test certification. These filters ensure that supply and exhaust air is cleaned of unwanted particulate, microbes, bacteria and viruses. The end result is Ultra clean air protecting people, manufacturing and the environment.

Our teams' reputation of providing the best quality service for project success cannot be matched within our industry, and we strive to continuously improve to keep pace with the changing environment we live in

## Related Products

Fluidseal Hepa Filter



Perforated Diffuser



Swirl Diffuser



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