



TECHSORB

Odour Control Panels & Pads

CARBON IMPREGNATED FILTERS

Techsorb panels and pads have several times more carbon content and therefore have a higher odour/gas capacity than other odour removal filters. A built in prefilter ensures that the sensitive carbon media does not get plugged due to particulate contamination. A final dusting layer ensures that the carbon media does not “dust off”, preventing any system contamination. Each Techsorb panel is encased in a heavy moisture resistant die cut framing material and supported downstream by a heavy gauge bird screen.

- Techsorb TS145CXL Cells - Consist of a 1/2" Activated Carbon Media followed by a final dusting filter.
- Techsorb TS245CXL Cells – Consist of a prefilter layer, a 1/2" Activated Carbon Media Layer followed by a final dusting filter.
- Techsorb TS2300CXL Cells - Consist of a prefilter layer, a 1" Activated Carbon Media Layer followed by a final dusting filter.

ODOUR REMOVAL FOR IMPROVED INDOOR AIR QUALITY

A filter’s effectiveness for odour control depends directly on the density of activated carbon contained in the product. Techsorb panels and pads contain several times more carbon than other impregnated carbon filters, resulting in a more effective filter for mitigation of odours.

A true test of a carbon filter is how long it will last and how effective it will be. Techsorb panels and pads will provide protection longer and be more effective in removing unwanted odours within an occupied space.

- **Long-lasting odour removal protection**
- **Easy to install**



Effective on a wide selection of odours found in:

- Schools
- Shopping Centers
- Hospitals
- Hotels
- Health Care Facilities
- Commercial Buildings
- Airports
- Manufacturing Facilities

SIMPLE, ECONOMICAL CHANGEOVERS

There is no need for expensive retrofits to accommodate Techsorb panels and pads. Install the filter the same way you would normally install any standard filter and dispose of them in the same manner when they are no longer effective.

- **Media Pads**

Techsorb media pads replace any existing 1" media pads and fit most conventional frames. They can be used in conjunction with particulate filters to provide odour removal capabilities to any HVAC system.

- **Panel Filters**

Techsorb panel filters are interchangeable with standard 1" and 2" air filters. Mechanical particulate filtration and odour removal is provided in a single filter product.





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THREE-STAGE PANEL FILTER

Prefilter

A polyester media pad retains particulate and prevents the carbon pores from being clogged with dirt.

Activated Carbon

The carbon media is installed between the pre-filter and the final filter media. As the air passes through the carbon, it removes odours and gases. The slower the air flow through the media the more effective the carbon will be.

Final Filter

The final media pad is placed behind the carbon media to prevent any carbon dust from entering the air handling system.

PERFORMANCE DATA

Product	Filter Depth	Avg. Arrestance	Initial Resistance in W.G @ 300 FPM	Recommended Final Resistance
TS145CXL	1"	75% - 80%	0.56" (140Pa)	1.0"
TS245CXL	2"	80% - 85%	0.40" (100Pa)	1.2"
TS2300CXL	3"	80% - 85%	0.74" (185Pa)	1.2"