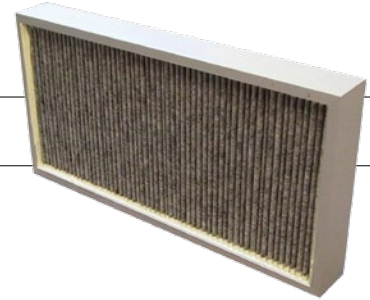


AstroSorb

HIGH EFFICIENCY CHEMICAL FILTER



Features and Benefits

- Removal of airborne molecular contamination
- Custom-designed impregnations with different media
- Flat panel design for FFU's and mini-environments
- Cells for fresh air and recirculation air handler

Atmospheric Molecular Contamination (AMC)

AstroSorb filters are designed for the gas phase removal of atmospheric molecular contamination (AMC) from make-up air and recirculation systems in order to protect high-tech production processes in the semiconductor and related industries. AstroSorb filters are available as flat panels and as deep filter cells that contain chemical adsorption material embedded in layers of synthetic support media. The material is impregnated to suit particular gas phase contamination control applications:

- MA for Acids; a corrosive gas that reacts chemically as an acid (an electron acceptor).
- MB for Bases; a corrosive gas that reacts chemically as a base (an electron donor).
- MC for Condensables; a contaminant whose boiling point is typically above room temperature and is capable of condensing on a (wafer) surface.
- MD for Dopants; a contaminant that modifies the electrical properties of (semiconductor) material. Single or multi layer applications are possible in the custom-design of the adsorbent.

AstroSorb II panels

This filter has a flat panel design for low to medium face velocities, for applications in pressurized cleanroom ceilings, AstroFan FFU and minienvironments. Aluminium extrusions are fitted with the pleated adsorption material; filter depth depends on face velocity, allowable pressure drop and available space. Standard sizes, customized sizes and combinations are available.

MegaSorb II panels

This filter has a flat panel design for low to medium face velocities, for applications in AstroFan FFU and mini-environments. Aluminium extrusions are fitted with the adsorption material followed by a layer of MEGAcel® PTFE membrane ULPA filter. The filter combines gas phase removal of AMC's with the unique low outgassing properties of the MEGAcel ePTFE membrane at ULPA grade efficiency. Standard sizes and customized sizes are available.

AstroSorb III cells

These are 292-mm deep stainless steel filter cells for high airflow applications in recirculation systems and make-up air handlers. The media is arranged in a V-shape to utilize maximum amounts of adsorption material for the given face area. These are available in standard sizes only.

AstroSorb

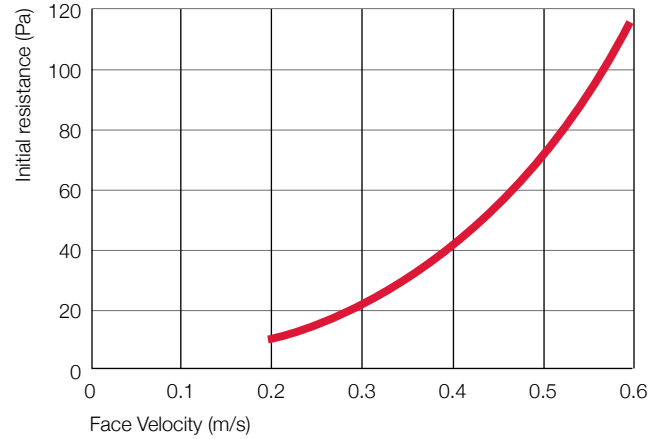
AstroSorb®II Panels

Technical Data

Dimensions in mm (typical)	
W	L
600	600
600	750
900	900

Depth D depends on application. Other sizes upon application.

Resistance vs Face Velocity



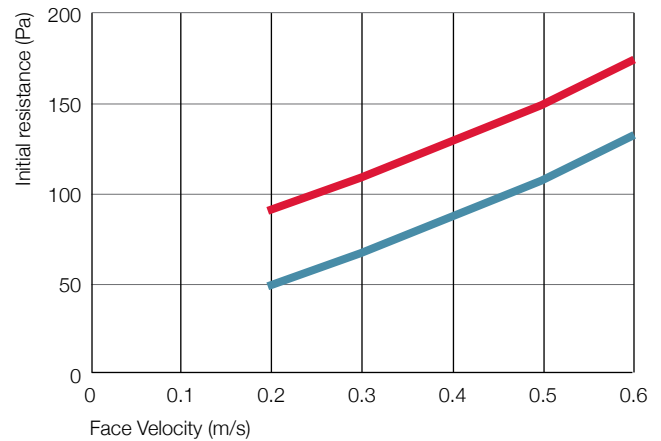
MegaSorb®II Panels

Technical Data

Dimensions in mm (typical)		
W	L	D
570	570	110 / 134
570	1170	110 / 134
1170	1170	110 / 134

Depth D is typically

Resistance vs Face Velocity



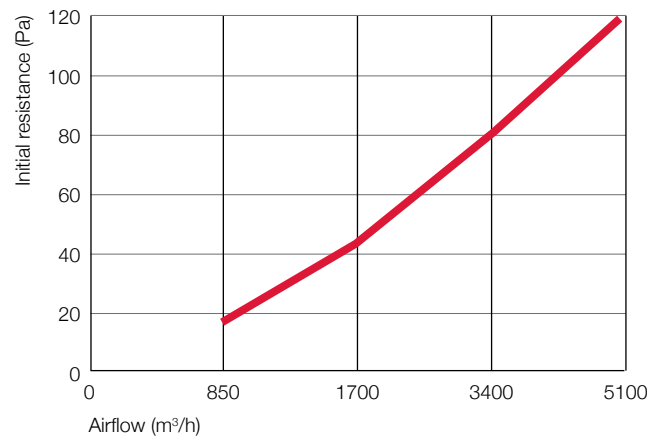
AstroSorb® III Cells

Technical Data

Dimensions in mm		
W	H	D
610	610	292
305	610	292

Depth D is typically

Resistance vs Airflow



MegaCel® is a registered trademark of AAF International in the U.S. and other countries.



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