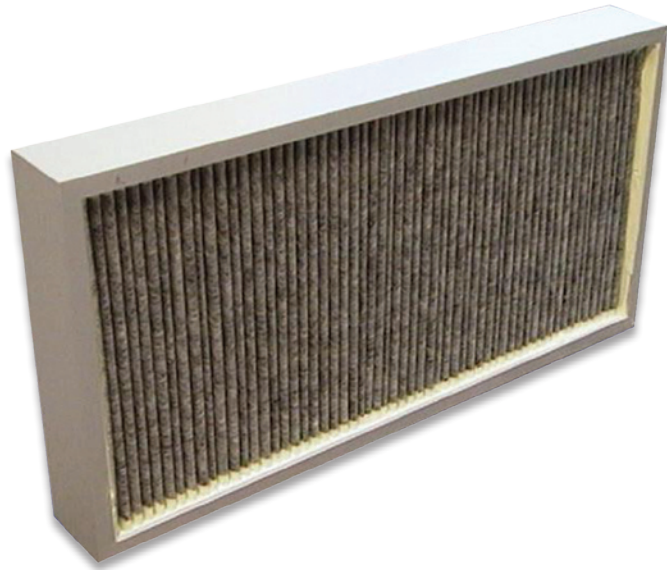


AstroSorb®

High efficiency chemical filters for the removal of atmospheric molecular contamination (AMC)

- **Removal of Airborne Molecular Contamination**
- **Gas-phase removal filter**
- **Custom-designed impregnations**
- **Flat panel design for FFU's and mini-environments**
- **Cells for fresh-air and recirculation air handler**



AstroSorb® filters are designed for the gas-phase removal of atmospheric molecular contamination (AMC) from make-up air and recirculation systems to protect high-tech production processes in the semiconductor and related industries.

AstroSorb® filters are available as flat panels and as deep filter cells, containing 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

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

MegaSorb® II panels

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 PTFE membrane at ULPA grade efficiency. Standard sizes and customized sizes available.

AstroSorb® III cells

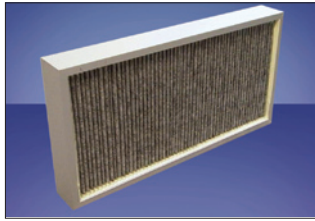
292-mm deep stainless steel filter cells for high airflow applications in recirculation systems and make-up air handlers. The media is arranged in a V-shape to utilize maximum amounts of adsorption material for the given face area. Available in standard sizes only.

Better Air is Our Business®



AstroSorb®

Technical Data

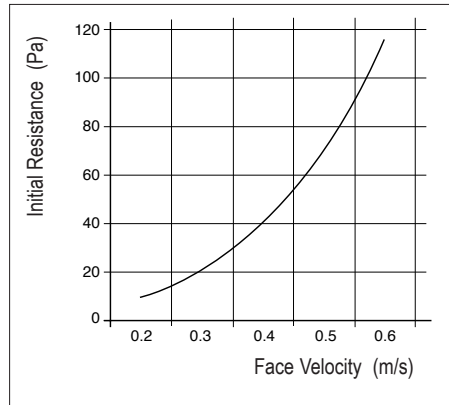


Dimensions in mm (typical)

W	L
600	600
600	750
900	900

Depth D depends on application. Other sizes upon application.

AstroSorb® II Panels



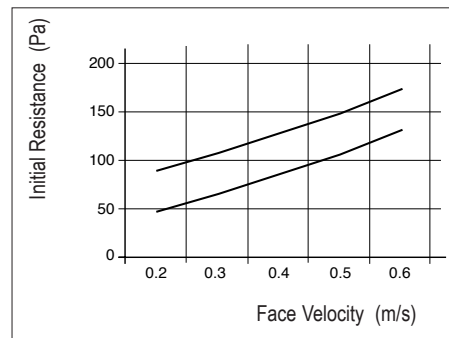
MegaSorb® II Panels



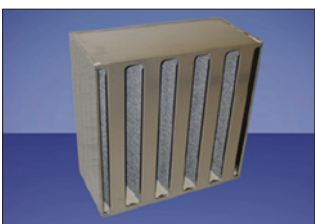
Dimensions in mm (typical)

W	L	D
570	570	110 / 134
570	1170	110 / 134
1170	1170	110 / 134

Depth D is typically

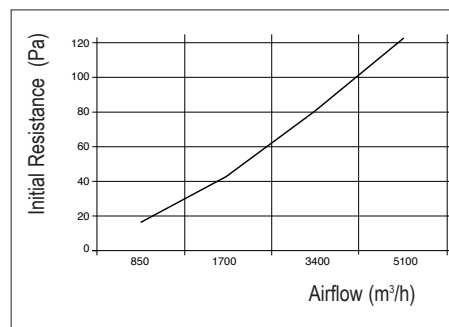


AstroSorb® III Cells



Dimensions in mm

W	H	D
610	610	292
305	610	292



AAF-International B.V.
P.O. Box 7928
1008 AC Amsterdam
The Netherlands
Tel.: + 31 20 549 44 11
Fax: + 31 20 644 43 98
www.aafeurope.com

International AAF Offices:
Amsterdam (NL), Athens (GR), Brussels (B),
Cramlington (GB), Dortmund (D), Dubai
(UAE), Helsinki (Fin), Istanbul (TR), Lisbon
(P), Louisville, Ky (USA), Madrid (E), Mexico
(Mex), Mozzate-Co (I), Paris (F), Bangalore
(IND), Riyadh (KSA), Shah Alam (Mal),

Suzhou, Shenzhen (PRC), Singapore,
Taiwan, Vienna (A)

AAF Agents:
Johannesburg (RSA)



AAF has a policy of continuous product research and improvement and reserves the right to change design and specifications without notice.

RA-2-1322-IN-0307

© 2007 AAF International