



C-CELL SYNTHETIC



Air Filters

Since 1982

EXCELAIR C-CELL SYNTHETIC FILTER

EXTENDED SURFACE
MINI-PLEAT SYNTHETIC PANEL FILTER |
MEDIUM & FINE



Features & Benefits | C-CELL SYNTHETIC

- High efficiency filtration available 2" or 4" space saving design to replace bulky bag and boxstyle filters.
- Achieves up to MERV 15 filter classification (as per ASHRAE standard 52.2)
- The extended surface high efficiency mini-pleat filter utilizes a robust, corrosion and moldresistant filter frames available in PS, G.I, Aluminium, SS or beverage Board construction
- Can be used to replace low efficiency filters to drastically improve indoor air quality and reducedust accumulation on work surfaces.
- Mini-pleat media packing ensures a particularly large filtering media area for maximum air flowrate per filter.
- Compact design requires less handling, storage and shipping costs.
- The narrow profile and light weight design makes it an excellent choice for difficult HVACinstallations.
- The ultra-compact slim line design provides minimum resistance and maximum dust holdingcapacity while lowering operating cost.

Specifications | C-CELL SYNTHETIC

Type	High Efficiency Mini-pleat Panel Filter
Filter Grades (EN 779)	F7, F8, F9
Filter Grades (As per ASHRAE 52.2)	MERV 13, MERV 14, MERV 15
Filter Media	Synthetic Media
Media Separator	Hot melt bead
Frame	Plastic / GI / Al / Wet Strength Beverage Board
Filter Depth	2" , 4"
Single Header	Box / Header type (20mm)
Maximum Temperature	70 °C
Maximum Pressure Drop	1.50" wg (Recommended)

Applications | C-CELL SYNTHETIC

 Medical

 Biomedical

 Pharmaceutical

 Biotechnology

 Industrial Plants

 Genetic Research

 Universities

 Office Buildings

 Nuclear Power Stations

 Laboratories

 Food processing

 Semiconductor fabrication

Selection Chart | C-CELL SYNTHETIC

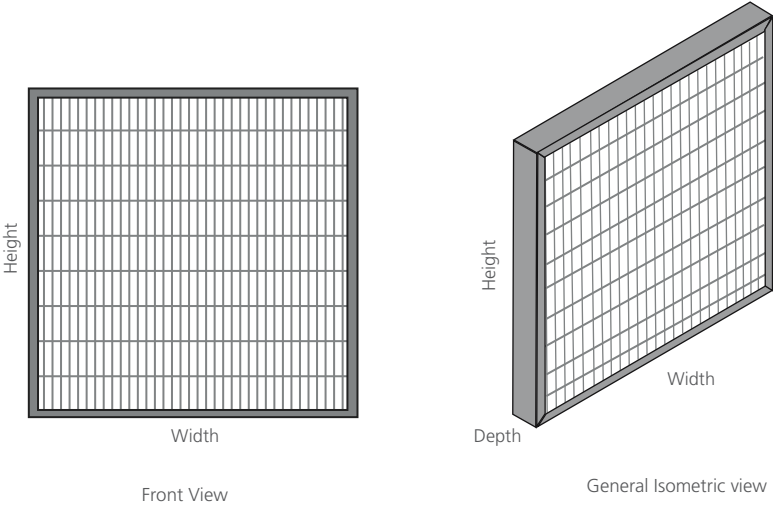
Model Reference	Actual Dimensions (inches)			Airflow		Initial Pressure Drop (Inches W.G)			Media Area (Sq.ft.)
	Width	Height	Depth	CFM	CMH	MERV 13 (F7)	MERV 14 (F8)	MERV 15 (F9)	
ECCSF-24x24x4-(F7/F8/F9)	23.30	23.30	3.78	2000	3400	0.26	0.27	0.28	130
ECCSF-24x20x4-(F7/F8/F9)	23.30	19.30	3.78	1660	2820	0.26	0.27	0.28	108
ECCSF-24x12x4-(F7/F8/F9)	23.30	11.30	3.78	1000	1700	0.26	0.27	0.28	63
ECCSF-20x20x4-(F7/F8/F9)	19.30	19.30	3.78	1400	2375	0.26	0.27	0.28	90
ECCSF-24x24x2-(F7/F8/F9)	23.30	23.30	1.77	2000	3400	0.27	0.37	0.42	58
ECCSF-24x20x2-(F7/F8/F9)	23.30	19.30	1.77	1660	2820	0.27	0.37	0.42	48
ECCSF-24x12x2-(F7/F8/F9)	23.30	11.30	1.77	1000	1700	0.27	0.37	0.42	28
ECCSF-20x20x2-(F7/F8/F9)	19.30	19.30	1.77	1400	2375	0.27	0.37	0.42	40

Model Ref.Numbering Scheme | C-CELL SYNTHETIC

ECCSF-24x24x4-(F7/F8/F9)

- E : Excelair
- CCSF : C-CELL SYNTHETIC FILTER
- 24x24x4 : Width x Height x Depth
- F7/F8/F9 : Grade

Size Selection | C-CELL SYNTHETIC



Note: The photos shown are only for illustration purpose. The actual product may vary. Please contact the technical/sales department for more information. As a part of continuous improvement, CMS reserve the right to make technical modifications without prior notice. All non-standard sizes are available upon request. Please contact factory for details.

EXCELAIR

Air Filters



Products from



Manufacturer:

Century Mechanical Systems Factory LLC
Tel: +971 4 3474858, Fax : +971 4 3474656
P.O Box: 60270, Dubai, United Arab Emirates
E mail: info@cmsglobal.com

