



V-CELL SYNTHETIC

EXCELAIR

Air Filters

Since 1982

EXCELAIR V-CELL SYNTHETIC FILTER

HIGH EFFICIENCY MINI-PLEAT
RIGID BOX FILTER | MEDIUM & FINE



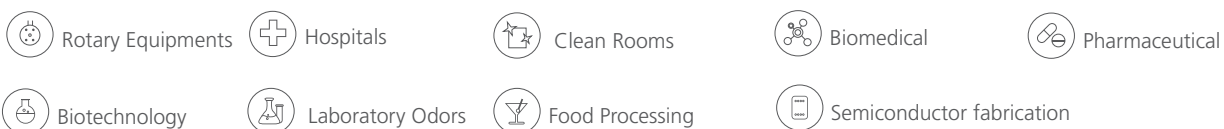
Features & Benefits | V-CELL SYNTHETIC

- Alternative to bag filters & box type high efficiency filters.
- Mini-pleat construction provides greater airflow capacity and very low resistance.
- High strength Synthetic media to gives the filter a high burst resistance.
- Deeper pleats result in longer filter life and more time between change-outs.
- Large filter surface with compact robust construction.
- Strong construction, able to maintain performance under turbulent conditions.
- High dust holding capacity extends the life of filter, minimizing operating costs .
- Fully Incinerable.
- Non – Metallic Construction.
- Lightweight and easy to install.

Specifications | V-CELL SYNTHETIC

Type	V - Cell, Rigid Pocket
Filter Grades (EN 779)	F7, F8, F9, E10
Filter Grades (ASHRAE 52.2)	MERV 13, MERV 14, MERV 15, MERV 16A
Media Type	Synthetic media
Frame	Plastic (ABS) with 20 mm Header
Maximum Temperature	70 °C
Final Pressure Drop	1.50" wg
Maximum Recommended Pressure Drop	2" wg
Recommended Maximum Operating Velocity	625fpm / 3.175 m/s

Applications | V-CELL SYNTHETIC



Selection Chart | V-CELL SYNTHETIC

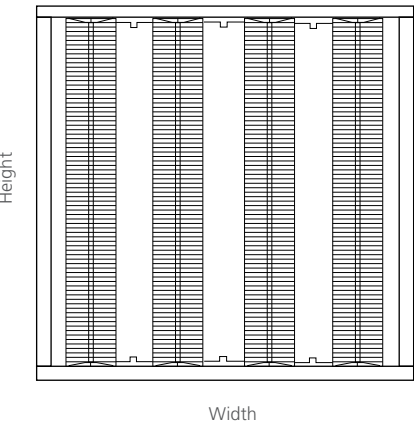
Model Reference	Actual Dimensions (inches)			Filter Classification		Airflow				Initial Resistance (Inches WG)		Media Area (Sq.ft.)
						CFM		CMH				
	Width	Height	Depth	EN 779	ASHRAE 52.2	Velocity@ 500 fpm	Velocity@ 625 fpm	Velocity@ 2.54 m/s	Velocity@ 3.17 m/s	Velocity@ 500 fpm / 2.54 m/s (Medium)	Velocity@ 625 fpm / 3.17 m/s (High)	
						Medium	High	Medium	High			
EVCSF-24x24x12-E10	23.30	23.30	11.50	E10	MERV 16A	2000	2500	3400	4250	0.25	0.36	161
EVCSF -24x20x12-E10	23.30	19.30	11.50	E10	MERV 16A	1650	2060	2805	3500	0.25	0.36	132
EVCSF-24x12x12-E10	23.30	11.30	11.50	E10	MERV 16A	1000	1250	1700	2125	0.25	0.36	74
EVCSF-24x24x12-F9	23.30	23.30	11.50	F 9	MERV 15	2000	2500	3400	4250	0.24	0.35	161
EVCSF -24x20x12-F9	23.30	19.30	11.50	F 9	MERV 15	1650	2060	2805	3500	0.24	0.35	132
EVCSF-24x12x12-F9	23.30	11.30	11.50	F 9	MERV 15	1000	1250	1700	2125	0.24	0.35	74
EVCSF -24x24x12-F8	23.30	23.30	11.50	F 8	MERV 14	2000	2500	3400	4250	0.23	0.34	161
EVCSF -24x20x12-F8	23.30	19.30	11.50	F 8	MERV 14	1650	2060	2805	3500	0.23	0.34	132
EVCSF -24x12x12-F8	23.30	11.30	11.50	F 8	MERV 14	1000	1250	1700	2125	0.23	0.34	74
EVCSF -24x24x12-F7	23.30	23.30	11.50	F 7	MERV 13	2000	2500	3400	4250	0.21	0.32	161
EVCSF -24x20x12-F7	23.30	19.30	11.50	F 7	MERV 13	1650	2060	2805	3500	0.21	0.32	132
EVCSF -24x20x12-F7	23.30	11.30	11.50	F 7	MERV 13	1000	1250	1700	2125	0.21	0.32	74

Model Ref.Numbering Scheme | V-CELL SYNTHETIC

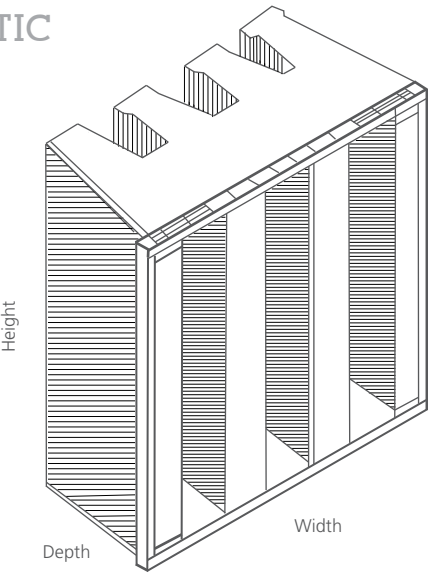
EVCSF-24x24x12-F8

- E : Excelair
- VCSF : V-CELL SYNTHETIC FILTER
- 24x24x12 : Width x Height x Depth
- F8 : Grade

Size Selection | V-CELL SYNTHETIC



Front View



(20 mm Header)
General Isometric view

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



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