



Air Filters

V-CELL FG

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EXCELAIR V-CELL FG

MINI PLEAT RIGID BOX
FILTER - MEDIUM / FINE



Features & Benefits | V-CELL FG

- Alternative to bag filters & box type high efficiency filters
- Minipleat construction provides greater airflow capacity and lower resistance
- High strength glass fibre media and polyurethane potting combined to give the filter a high burst resistance
- Large filter surface with compact robust construction
- Maximum dust holding capacity extends the life of filter, minimizing operating costs
- Fully Incinerable
- Non – Metallic Construction
- Lightweight and easy to install

Specifications | V-CELL FG

Type	V – Bank, Rigid Pocket
Filter Grades (EN 779:)	M6, F7, F8, F9
Filter Grades (ASHRAE 52.2)	MERV 11, MERV 13, MERV 14, MERV 15
Filter Media	Micro Fine Glass Fiber
Media Separator	Thermoplastic bead separators (Hot Melt Beads)
Frame	Plastic (ABS) with 20 mm Header
Maximum Temperature	80 °C
Final Pressure Drop	1.40" wg
Maximum Recommended Pressure Drop	2" wg
Recommended Maximum Operating Velocity	625fpm / 3.175 m/s

Applications | V-CELL FG

- Gas Turbine
- Biotechnology
- Biomedical
- Pharmaceutical
- Rotary Equipments
- Laboratories
- Food Processing
- Hospital
- Clean Rooms
- Semiconductor fabrication

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Selection Chart | V-CELL FG

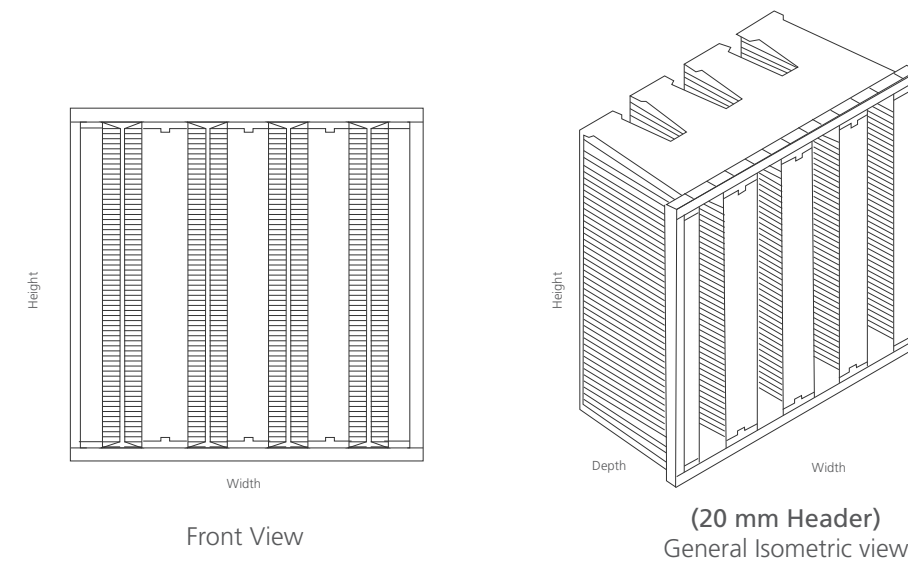
Model Reference	Actual Dimensions (inches)			Filter Classification		Airflow				Initial Resistance (Inches WG)		Media Area (Sq.ft.)
	Width	Height	Depth	EN 779	ASHRAE 52.2	CFM		CMH		Velocity@ 500 fpm / 2.54 m/s (Medium)	Velocity@ 625 fpm / 3.17 m/s (High)	
						Velocity@ 500 fpm / 2.54 m/s (Medium)	Velocity@ 625 fpm / 3.17 m/s (High)	Velocity@ 2.54 m/s	Velocity@ 3.17 m/s			
EVCFGF-24x24x12-F9	23.30	23.30	11.50	F9	MERV 15	2000	2500	3400	4250	0.44	0.58	198
EVCFGF-24x20x12-F9	23.30	19.30	11.50	F9	MERV 15	1650	2060	2805	3500	0.44	0.58	162
EVCFGF-24x12x12-F9	23.30	11.30	11.50	F9	MERV 15	1000	1250	1700	2125	0.44	0.58	91
EVCFGF-24x24x12-F8	23.30	23.30	11.50	F8	MERV 14	2000	2500	3400	4250	0.40	0.53	198
EVCFGF-24x20x12-F8	23.30	19.30	11.50	F8	MERV 14	1650	2060	2805	3500	0.40	0.53	162
EVCFGF-24x12x12-F8	23.30	11.30	11.50	F8	MERV 14	1000	1250	1700	2125	0.40	0.53	91
EVCFGF-24x24x12-F7	23.30	23.30	11.50	F7	MERV 13	2000	2500	3400	4250	0.36	0.46	198
EVCFGF-24x20x12-F7	23.30	19.30	11.50	F7	MERV 13	1650	2060	2805	3500	0.36	0.46	162
EVCFGF-24x12x12-F7	23.30	11.30	11.50	F7	MERV 13	1000	1250	1700	2125	0.36	0.46	91
EVCFGF-24x24x12-M6	23.30	23.30	11.50	M6	MERV 11	2000	2500	3400	4250	0.31	0.40	198
EVCFGF-24x20x12-M6	23.30	19.30	11.50	M6	MERV 11	1650	2060	2805	3500	0.31	0.40	162
EVCFGF-24x12x12-M6	23.30	11.30	11.50	M6	MERV 11	1000	1250	1700	2125	0.31	0.40	91

Model Ref. Numbering Scheme | V-CELL FG

EVCFGF-24x24x12-F8

- E : Excelair
- VCFGF : V-CELL FIBER GLASS FILTER
- 24x24x12 : Width x Height x Depth
- F8 : Grade

Size Selection | V-CELL FG



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.

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