

Features:

Polypropylene injection molded frame with no metal components

Polypropylene thermally bonded pleat separators

Non-shedding, gradient density polypropylene media

Available in single headered version only

Available in 65%, 85%, 95% efficiencies per ASHRAE 52.1

Available in MERV 11, 13, and 14 efficiencies per ASHRAE 52.2

UL Class II rated as per UL 900 standard

AIRFLOW V³

Standard capacity self-supported V-Cell filter

AIRFLOW V³, standard capacity self-supported V-cell filters are designed for use in air filtration systems and equipment where medium to high efficiency filtration is required. Available in a variety of sizes and efficiencies, the AIRFLOW V³ provides optimal performance in variable air volume systems.

As an immediate upgrade from typical aluminum separator style, wet-laid micro fiberglass cell type and deep pleated rigid box type filters, the AIRFLOW V³ offers improved performance which increases the service life of the filter and results in the savings of associated energy, installation and disposal costs.

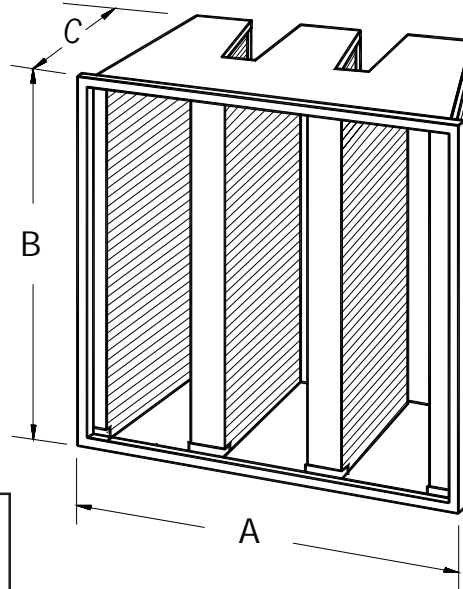
Comparative Performance Data

Airflow V ³	Separator Style*	Rigid Box Type*
Polypropylene, gradient density synthetic media	Wet laid micro-fiberglass media	High loft, ultra fine fiberglass media
Polypropylene injection molded frame, (no metal components)	26 ga. Galvanized steel frame	26 ga. Galvanized steel frame
Polypropylene, thermally bonded pleat separators	Corrugated aluminum pleat separators	Cardboard, plastic or metal pleat separators
Self supporting, non-oscillating media pack	Aluminum separator supported media pack	Weld wire or expanded metal supported media pack
129 ft ² of media area	125 ft ² of media area	50 ft ² of media area
Initial resistance ("w.g.) 0.50	Initial resistance ("w.g.) 0.65	Initial resistance ("w.g.) 0.87

Above data based on the construction and performance of 95% 24x24x12 single header model.
 *Information taken directly from published data by competitive filter fabricators.

AIRFLOW V³

The Airflow V³ is made from 100% synthetic polypropylene microfiber media attached to a 100% polymer frame using solid, water resistant adhesive. Continuous polypropylene spacer beads are thermally bonded to both sides of the media. There are no metal components. The Airflow V³ is available in three efficiencies in three standard sizes.

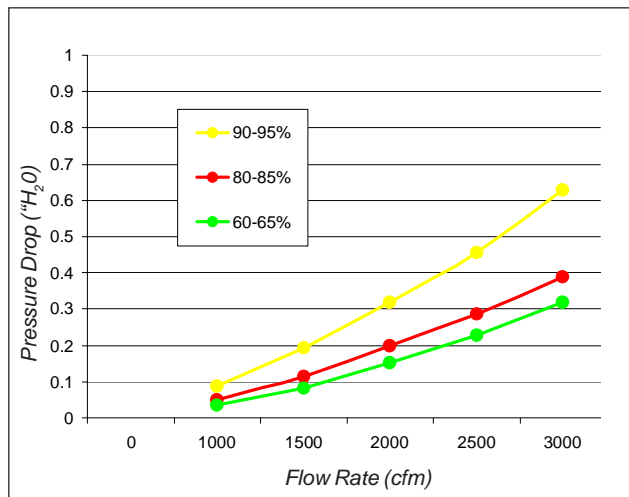


Typical Size Chart - AFV³65, AFV³85, AFV³95

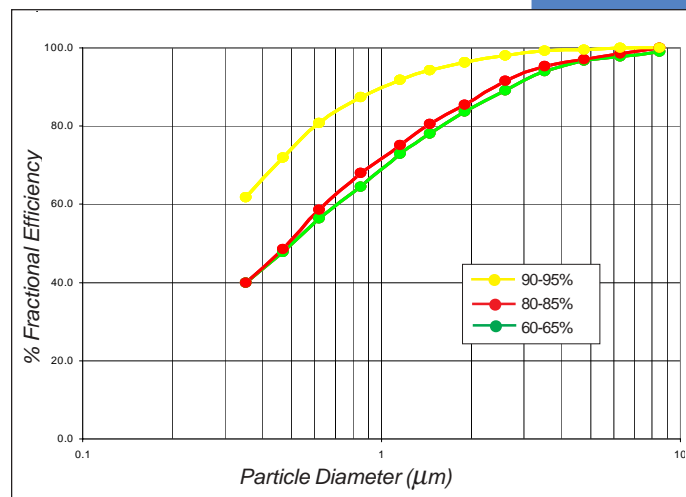
Model Number	Width "A"	Height "B"	Depth "C"
AFV ³ xx-4412	23-3/8"	23-3/8"	11-1/2"
AFV ³ xx-4212	23-3/8"	11-3/8"	11-1/2"
AFV ³ xx-4012	23-3/8"	19-3/8"	11-1/2"

Note: Available in single headered version only.

Pressure Drop vs. Flow Rate



Efficiency vs. Particle Diameter



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