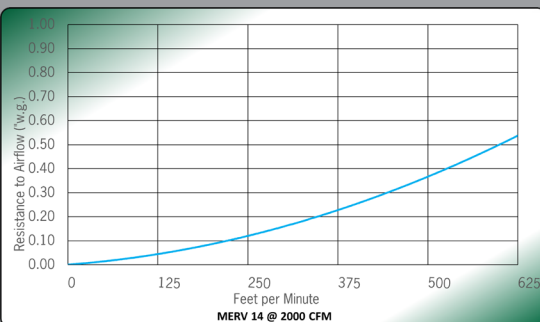




High-efficiency MERV 14A air filter with high airflow velocity and low resistance. Capable of installation in gasketed HEPA filter frames.



The Camfil Durafil ES3 Box filter combines high airflow capacity, with low resistance (pressure drop) for optimal performance.

It is available in two efficiencies, MERV 14/14A and MERV 16/16A, and two configurations designed to suit common filter-holding frame systems.

- **FSB** (full-sized box): Features exact dimensions of 24" x 24" x 11½" dimensions for MagnaFrame II or other gasketed HEPA frames.
- **USB** (under-sized box): Ideal 23⅜" x 23⅜" x 11½" dimension for side-access applications or undersized HEPA frames.

Key benefits of each filter include features:

- Standard high-capacity airflow of 2000 cfm, capable of 2400 cfm for air-starved applications.
- Lightweight: 21 lbs. for standard 24" x 24" configuration.
- Easy handling - Flexible, strong handles and positive grip side plates provide multiple handling points for ease of installation.
- Strength - Innovative frame design provides high strength to withstand 30 in-lbs. (2.5 ft-lbs.) of torque applied to fasteners for a positive seal.
- Wet-laid, water-resistant micro fiberglass media designed to withstand up to 99% relative humidity.
- Installs in standard gasketed HEPA mounting systems.
- Exclusive controlled media spacing (CMS), a Camfil manufacturing method that ensures uniform airflow throughout the entire media pack.
- Greater filtration media area resulting in lower average pressure drop, longer periods between changes and lower disposal costs.

Performance

Part Number	Model FSB (full sized box) USB (under sized Box)	Description	Efficiency	Actual Size	Airflow Capacity	Resistance	Media Area (sq ft)
855081721	FSB	DU5V-ES3-2424-MV14-FSB	MERV 14/14A	24 x 24 X 11½	2000	0.36"	262
855081722		DU5V-ES3-1224-MV14-FSB		12 x 24 X 11½	1000		128
855081723	USB	DU5V-ES3-2424-MV14-USB		23¾ X 23¾ X 11½	2000	0.41"	255
855081724		DU5V-ES3-1224-MV14-USB		11¾ X 23 ¾ X 11½	1000		120
855081741	FSB	DU5V-ES3-2424-MV16-FSB	MERV 16/16A	24 x 24 X 11½	2000	0.50"	262
855081742		DU5V-ES3-1224-MV16-FSB		12 x 24 X 11½	1000		128
855081743	USB	DU5V-ES3-2424-MV16-USB		23¾ X 23¾ X 11½	2000	0.55"	255
855081744		DU5V-ES3-1224-MV16-USB		11¾ X 23 ¾ X 11½	1000		120

DATA NOTES:

Dimensions are actual and do not include gasket.
Maximum operating temperature 175° F (80° C), 100% RH.

Specification

1.0 General

1.1 - Air filters shall be V-bank mini-pleat fiberglass disposable type with pleat separators, polyurethane pack-to-frame sealant, ABS plastic enclosing frame, and have an ECI value of five stars.

1.2 - Sizes shall be as noted on enclosed drawings or supporting materials.

2.0 Construction

2.1 - The media packs shall be potted into the enclosing frame.

2.2 - An enclosing frame of ABS plastic shall form a rugged and durable enclosure. The sides shall include integral frame support bridging to increase filter enclosure rigidity. The enclosure shall also be capable of withstanding 30 inch-pounds of clamping torque when measured from the air-entering side to ensure filter-to-frame sealing.

2.3 - Filter should weight 21 lbs or lighter.

3.0 Performance

3.1 - The filter shall have a Minimum Efficiency Reporting Value of (MERV 14/14A or MERV 16/16A) when evaluated under ASHRAE Standard 52.2, Appendix J. It shall have an efficiency of (ePM1-70% or ePM1-95%) when evaluated per ISO filter testing standard 16890.

3.2 - The filter shall be capable of withstanding 10.00" w.g. without failure of the media pack.

3.3 - Manufacturer shall provide evidence of facility certification to ISO 9001:2015.

3.4 - The filter shall have a 5-Star rating when evaluated per Energy Cost Index (ECI).

Supporting Data - Provide product test reports for each listed efficiency including all details as prescribed in ASHRAE Standards 52.2 including Appendix J.

Items in parenthesis require selection.

Filters shall be Camfil Durafil ES3 Box or equal.