Durafil® ES³

High Efficiency, High Capacity, Energy Saving, Mini-Pleated V-Bank Air Filter

ENERGY COST INDEX ★★★★★

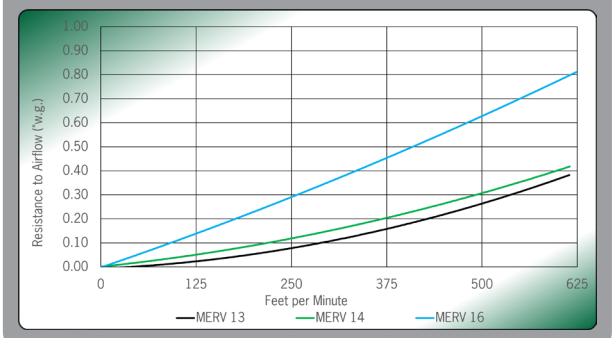
The Camfil Durafil ES³ is a high-performance, compact V-Bed style air filter designed specifically for commercial and industrial applications to reduce building energy costs, improve indoor air quality, and achieve environmental sustainability. The Durafil ES³ outperforms every other V-Bank filter in:

Filtration Efficiency
The Durafil ES³ is constructed using proprietary glass fiber media which does not degrade in capture efficiency. The MERV value on each filter is guaranteed to be maintain throughout the entire service life of the filter.

Lowest Average Resistance to Airflow
All filters exhibit a resistance to airflow, known as pressure drop, which increases as the filter loads with dirt. More fan energy is required as pressure drop rises which increases cost. The filter with the lowest average pressure drop over its entire service life uses the least energy. The Durafil ES³ has been engineered and is guaranteed to deliver the lowest average resistance of any air filter 12" deep or less.

Longest Service Life
The same engineered techniques that deliver the lowest average resistance also yield exceptionally high dirt holding capacity for longer service life. The Durafil ES³ will remain in-service, providing its rated filtration efficiency with the lowest average lifetime resistance, longer than any other air filter 12" deep or less.

Low pressure drop means the ES³ consumes 35% less energy than any other V-Bed style filter



The Durafil ES³ includes:

- A proprietary blend of microglass filter media balances low average resistance, long service life and high filtration efficiency.
- Is available in three standard efficiencies:
  MERV 13/13A = ePM_1 60%
  MERV 14/14A = ePM_1 70%
  MERV 16/16A = ePM_1 95%
- Integral prefilter spacer section designed to minimize airflow blockage when a prefilter is installed directly on the face.
- Available in seven standard sizes, more than any other V-Bed filter on the market today.
- An optional ES³ Box is available; a reusable adapter to convert the ES³ to a box style filter suitable for all applications.
- The optional and replaceable ContinuSeal gasket further reduces bypass in critical applications.
- A single unit, durable ABS frame front that reduces bypass often seen on competitive snap together V-Bed style filters.
- Structural supports incorporated in the frame double as handles for easier installation and transportation.
- Integrated prefilter clip slots for face-mounted prefilters.

A 5-Star rating indicates that this filter performs in the top 20% of all products of similar construction in the HVAC industry. Factors of consideration include maintained efficiency, energy usage and resistance to air flow. Detailed evaluation information is available from your Camfil sales outlet or on the web at www.camfil.com.

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Performance Data

Capture Efficiency ASHRAE 52.2 -2017 ISO16890	Description	Part Number	Initial Resistance (inches w.g.)	Airflow Capacity (cfm)	Nominal Size H x W x 12 (inches)	Actual Height (inches)	Actual Width (inches)	Actual Depth (inches)
MERV 16/16A ePM$_1$ 95%	DU4V-ES3-2424-MV16	855081041	0.65"	2000	24 x 24	23.31	23.31	11.75
	DU4V-ES3-2024-MV16	855081042		1660	20 x 24	19.31	23.31	11.75
	DU4V-ES3-1224-MV16	855081043		1000	12 x 24	11.31	23.31	11.75
	DU3V-ES3-2020-MV16	855081044		1380	20 x 20	19.31	19.31	11.75
	DU4V-ES3-2025-MV16	855081045		1730	20 x 25	19.31	24.31	11.75
	DU3V-ES3-1620-MV16	855081046		1110	16 x 20	15.31	19.31	11.75
	DU4V-ES3-1625-MV16	855081047		1380	16 x 25	15.31	24.31	11.75
MERV 14/14A ePM$_1$ 70%	DU4V-ES3-2424-MV14	855081021	0.31"	2000	24 x 24	23.31	23.31	11.75
	DU4V-ES3-2024-MV14	855081022		1660	20 x 24	19.31	23.31	11.75
	DU4V-ES3-1224-MV14	855081023		1000	12 x 24	11.31	23.31	11.75
	DU3V-ES3-2020-MV14	855081024		1380	20 x 20	19.31	19.31	11.75
	DU4V-ES3-2025-MV14	855081025		1730	20 x 25	19.31	24.31	11.75
	DU3V-ES3-1620-MV14	855081026		1110	16 x 20	15.31	19.31	11.75
	DU4V-ES3-1625-MV14	855081027		1380	16 x 25	15.31	24.31	11.75
MERV 13/13A ePM$_1$ 60%	DU4V-ES3-2424-MV13	855081011	0.28"	2000	24 x 24	23.31	23.31	11.75
	DU4V-ES3-2024-MV13	855081012		1660	20 x 24	19.31	23.31	11.75
	DU4V-ES3-1224-MV13	855081013		1000	12 x 24	11.31	23.31	11.75
	DU3V-ES3-2020-MV13	855081014		1380	20 x 20	19.31	19.31	11.75
	DU4V-ES3-2025-MV13	855081015		1730	20 x 25	19.31	24.31	11.75
	DU3V-ES3-1620-MV13	855081016		1110	16 x 20	15.31	19.31	11.75
	DU4V-ES3-1625-MV13	855081017		1380	16 x 25	15.31	24.31	11.75

DATA NOTES:
Airflow may be in either direction. Maximum useable velocity is 625 fpm.
Schedule air filters for change when initial pressure drop has doubled. Final pressure drop should not exceed 1.50" w.g.
Clips to hold prefilter to face: 2" = C-84-2 4" = C-84-4
The Durafil ES^3 is listed UL 900 by Underwriters Laboratories.
Maximum continuous operating temperature 175° F. (79° C.), relative humidity 99%.
Performance tolerance in accordance with ARI Standard 850.

Available Options

A V-Bank filter is the optimum air filter configuration for energy savings. In installations limited to front-load only and no room downstream of the holding frame, an optional and reusable ES^3 Box Kit is available. The box kit mounts permanently to the upstream side of the frame and the Durafil ES^3 is installed to create a box-style filter.

For those critical applications that require additional protection against bypass, an optional ContinuSeal gasket is available. The gasket installs around the entire perimeter of the Durafil ES3 and seals tight against holding frames. Unique corner shape limits wrinkles from developing once the filter is fastened firmly into place.

camfil ISO 9001:2015 Certified Quality System

For detailed specifications, please consult your local Camfil distributor, representative or Durafil ES^3. Camfil has a policy of uninterrupted research, development and product improvement. We reserve the right to change designs and specifications without notice.

Camfil | 1 North Corporate Drive, Riverdale, NJ 07457 | Tel: (973) 616-7300