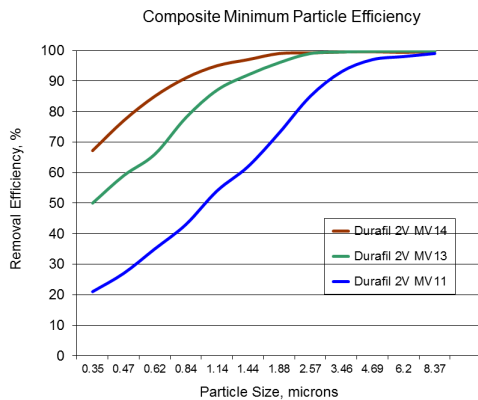




**Integrity of rigid minipleat performance in an energy saving lightweight design.**



Values are Minimum Efficiency Reporting Values (MERVs) when evaluated per ASHRAE Standard 52.2.

The Camfil Durafil® 2V provides high-efficiency performance in a compact, energy-efficient design. The Durafil 2V:

- Includes a wet-laid, microfine glass media in a unique pleat-in-pleat V-bank design with up to 100 square feet of media area for higher dust-holding capacity, longer system life and a lower average pressure drop.
- Is available in three standard efficiencies: MERV 11, MERV 13 and MERV 14 per ASHRAE standard 52.2. The Durafil 2V has a MERV-A value of 11A, 13A and 14A when tested using the conditioning step, as specified in Appendix J, of the same standard. It has respective efficiencies of ePM<sub>10</sub>-70, ePM<sub>1</sub>-65, and ePM<sub>1</sub>-70 when evaluated per ISO filter testing standard 16890.
- Incorporates a unique sealant channel ensuring media pack-to-frame bonding to prevent air bypass.
- Includes a high-strength, impact-resistant ABS enclosing frame with integrated ABS media pack supports, ensuring a rigid and durable filter.
- Includes a nominal size one-inch header for added stability and a secure fit into the filter holding mechanism. The header is an integral component of the frame and is solid on all surfaces for increased sealing integrity.
- Includes a side gasket to ensure no air bypass between headers in multi-filter systems.
- Is bi-directional, airflow can be in either direction
  - Has a maximum recommended final pressure drop capability to 1.5" w.g.
  - Is guaranteed to 8.0" w.g.
- Has been qualified by Underwriters Laboratories as UL 900.
- Includes a built-in handle for convenience during transport or installation.
- Has an ECI1 value of four stars.

The Durafil 2V is excellent for VAV systems, or any commercial, medical or industrial application where high performance and product integrity are a consideration.

<sup>1</sup> The Energy Cost Index (ECI) is a system that rates a filter's energy usage and its ability to maintain published efficiency over its lifetime. ECI is useful when comparing filters of similar construction and published efficiency. ECI ratings range from a high of 5 stars (low life cycle cost and high overall value) to a low of 1 star (high life cycle cost and low overall value). Details on ECI ratings for Camfil and competitor's products are available from your Camfil sales outlet and on the web at [www.camfil.com](http://www.camfil.com).

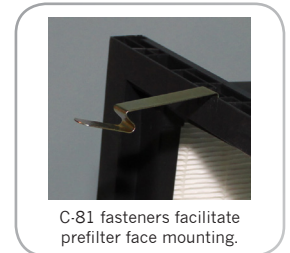
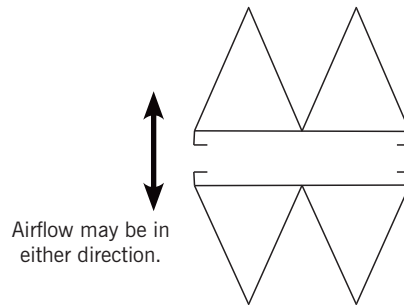
### Performance Data

Filter Model & Efficiency <sup>1</sup>	Part Number	Nominal Filter Depth	Nominal Size (H x W, inches)	Header Dimensions (H x W, inches)	Actual Filter Depth	Airflow Capacity (cfm)	Initial Resistance (inches w.g.)	Media Area (sq. ft.)	Weight (lbs)
Durafil 2V MERV 14 MERV 14-A ePM <sub>1</sub> -70	855080-142	12"	24 x 24	23.38 X 23.38	11"	2000	0.55	100	7.0
	855080-140		24 x 12	23.38 X 11.38		850		45	4.0
	855080-141		24 x 20	23.38 X 19.38		1610		82	6.0
Durafil 2V MERV 13 MERV 13-A ePM <sub>1</sub> -65	855080-139	12"	24 x 24	23.38 X 23.38	11"	2000	0.43	100	7.0
	855080-137		24 x 12	23.38 X 11.38		850		45	4.0
	855080-138		24 x 20	23.38 X 19.38		1610		82	6.0
Durafil 2V MERV 11 MERV 11-A ePM <sub>10</sub> -70	855080-136	12"	24 x 24	23.38 X 23.38	11"	2000	0.25	100	7.0
	855080-134		24 x 12	23.38 X 11.38		850		45	4.0
	855080-135		24 x 20	23.38 X 19.38		1610		82	6.0

**DATA NOTES:**

Schedule air filters for change when initial pressure drop has doubled.  
 Final pressure drop should not exceed 1.50" w.g.  
 The Durafil ES is listed UL 900 by Underwriters Laboratories.  
 Standard frame-to-frame sealing gasket is installed on vertical header (one side).  
 Maximum continuous operating temperature is 175° F.  
 Qualified by Underwriters Laboratories as UL 900.  
 Performance tolerance in accordance with ARI Standard 850.

Options:  
 Available with gaskets in any location.



### Specification

**Air Filters**

**1.0 General**

- 1.1 - Air filters shall be high-efficiency ASHRAE pleat-in-pleat V-bank disposable type assembled in a compact and secure enclosing frame.
- 1.2 - Sizes shall be as noted on drawings or other supporting materials.

**2.0 Construction**

- 2.1 - Filter media shall be of microfibre glass formed into uniformly spaced pleats separated by glass filament separators and formed into a minipleat pack design.
- 2.2 - Each minipleat pack shall be assembled into a V-bank configuration with an appropriate number of packs to obtain required pressure drop.
- 2.3 - The media packs shall be bonded to the inside periphery of the enclosing frame with a fire-retardant phosphorus-free sealant.
- 2.4 - The enclosing frame shall include modular injection-molded plastic channels bonded to the media pack to prevent air bypass. Injection-molded modular plastic supports shall be placed on the air entering and air exiting sides to promote uniform airflow and assist in structural support. Each filter shall include a handle for transport or convenience of installation.
- 2.5 - The filter shall have a nominal 1" solid header that is an integral component of the enclosing frame.

- 2.6 - Injection-molded rigid plastic end caps shall be bonded to the top and bottom of the enclosing structure to ensure a rigid and durable filter.
  - 2.7 - A gasket shall be included on header-to-header sealing surfaces to eliminate air bypass between headered filters.
  - 2.8 - Filter shall be bi-directional with regard to airflow.
- 3.0 Performance**
- 3.1 - The filter shall have a Minimum Efficiency Reporting Value of MERV (11, 13, 14)\* when evaluated under the guidelines of ASHRAE Standard 52.2. It shall have an efficiency of (ePM<sub>10</sub>-70, ePM<sub>1</sub>-65, ePM<sub>1</sub>-70) when evaluated per ISO filter testing standard 16890.
  - 3.2 - Initial resistance to airflow shall be (0.25", 0.43", 0.55")\* w.g. at an airflow of 500 fpm.
  - 3.3 - Filter shall be qualified by Underwriters Laboratories as UL 900.
  - 3.4 - Manufacturer shall provide evidence of facility certification to ISO 9001:2008.
  - 3.5 - The filter shall be capable of withstanding 10" w.g. without failure of the media pack.
- Supporting Data** - Provide product test reports for each listed efficiency including all details as prescribed in ASHRAE Standard 52.2.  
 \* Items in parentheses ( ) require selection.

For detailed specifications please consult your local Camfil Distributor or Representative or [www.camfil.com](http://www.camfil.com).

Camfil has a policy of uninterrupted research, development and product improvement. We reserve the right to change designs and specifications without notice.



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