

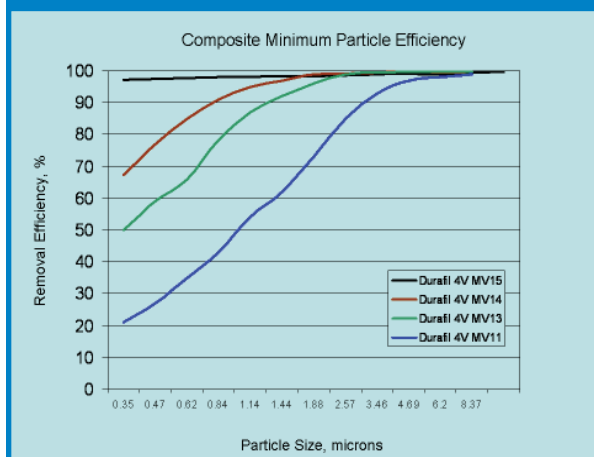


# durafil® 4V

High Capacity, High Efficiency, V-Style Air Filter in All Plastic Enclosing Frame



The longest lasting,  
lowest energy usage,  
high efficiency air filter  
in the industry.



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

The Camfil Farr Durafil® 4V provides high-efficiency ASHRAE performance in a compact energy efficient design. The Durafil 4V:

- Up to 200 square feet of media area (more media than any other ASHRAE grade filter) for higher dust-holding capacity, longer system life and a lower average pressure drop.
- Is available in four standard efficiencies, MERV 11, MERV 13, MERV 14 and MERV 16 per ASHRAE Standard 52.2-1999.
- Wet-laid, microfibre media is water-resistant.
- Includes glass filament separators to ensure uniform airflow throughout the media pack.
- Incorporates a unique sealant channel ensuring media pack-to-frame bonding to prevent air bypass.
- Includes a high-strength, impact-resistant plastic enclosing frame with modular plastic media pack supports ensuring a rigid and durable filter. An integral transport handle simplifies installation.
- Includes a one-inch header for added stability and a secure fit into the filter holding mechanism. The header is an integral component of the frame.
- Includes a header sealing gasket to ensure no air bypass between headers in multi-filter systems. Is bi-directional, airflow can be in either direction.
- Can serve systems with airflow capacities to 3,000 cfm and has a maximum recommended final pressure drop capability to 2.0" w.g.
- Is guaranteed to 10" w.g.
- Has been qualified by Underwriters Laboratories as UL 900-Class 2.
- Has an ECI<sup>1</sup> value of five stars.
- Is available with dual headers.

<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 Farr and competitor's products are available from your Camfil Farr sales outlet and on the web at [www.camfilfarr.com](http://www.camfilfarr.com).



Camfil Farr	Product sheet
Durafil® 4V	1515 - 0307
Camfil Farr - clean air solutions	

**PERFORMANCE DATA**

**DURAFIL® 4V**

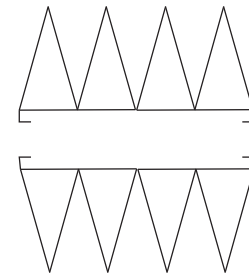
ASHRAE Efficiency	Model	Part Number	Nominal Size (inches) H x W x D	Actual Dimensions (inches) H x W x D	Airflow Capacity (cfm)	Initial Resistance (inches w.g.)	Media Area (ft²)
MERV 16	DU4V-1511-11-MV16	855080-014	24 x 24 x 12	23.38 x 23.38 x 11.50	2000	0.80"	200
	DU4V-1511-21-MV16	855080-030	24 x 20 x 12	23.38 x 19.38 x 11.50	1500		160
	DU4V-1511-51-MV16	855080-021	24 x 12 x 12	23.38 x 11.38 x 11.50	1000		100
	DU4V-1511-31-MV16	855080-571	20 x 20 x 12	19.38 x 19.38 x 11.50	1250		125
MERV 14	DU4V-1511-11-MV14	855080-009	24 x 24 x 12	23.38 x 23.38 x 11.50	2000	0.37"	200
	DU4V-1511-21-MV14	855080-006	24 x 20 x 12	23.38 x 19.38 x 11.50	1500		160
	DU4V-1511-51-MV14	855080-003	24 x 12 x 12	23.38 x 11.38 x 11.50	1000		100
	DU4V-1511-31-MV14	855080-065	20 x 20 x 12	19.38 x 19.38 x 11.50	1250		125
MERV 13	DU4V-1511-11-MV13	855080-008	24 x 24 x 12	23.38 x 23.38 x 11.50	2000	0.33"	200
	DU4V-1511-21-MV13	855080-005	24 x 20 x 12	23.38 x 19.38 x 11.50	1500		160
	DU4V-1511-51-MV13	855080-002	24 x 12 x 12	23.38 x 11.38 x 11.50	1000		100
	DU4V-1511-31-MV13	855080-066	20 x 20 x 12	19.38 x 19.38 x 11.50	1250		125
MERV 11	DU4V-1511-11-MV11	855080-007	24 x 24 x 12	23.38 x 23.38 x 11.50	2000	0.27"	200
	DU4V-1511-21-MV11	855080-004	24 x 20 x 12	23.38 x 19.38 x 11.50	1500		160
	DU4V-1511-51-MV11	855080-001	24 x 12 x 12	23.38 x 11.38 x 11.50	1000		100
	DU4V-1511-31-MV11	855080-063	20 x 20 x 12	19.38 x 19.38 x 11.50	1250		125

**DATA NOTES**

Durafil airflow may be in either direction.  
 Maximum recommended pressure drop is 1.50" w.g., system design may dictate a lower change-out point.  
 Maximum continuous operating temperature 175 ° F.  
 See 1515 IRVA for initial resistance versus airflow.

**Options:**

Available with gaskets in any location.  
 Available with dual headers.



Airflow may be in either direction.

**SPECIFICATIONS**

**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 microfine 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. An integral handle shall be included for filter transport.

**2.5** - The filter shall have a nominal 1" header that is an integral component of the enclosing frame.

Camfil Farr 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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- 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, 16)\* when evaluated under the guidelines of ASHRAE Standard 52.2.
  - 3.2** - Initial resistance to airflow shall be (0.27", 0.33", 0.37", 0.80")\* w.g at an airflow of 500 fpm.
  - 3.3** - Filter shall be qualified by Underwriters Laboratories as UL 900 Class 2.
  - 3.4** - Manufacturer shall provide evidence of facility certification to ISO 9001:2000.
  - 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.



Star rating based upon MERV 13 size 24" by 24" by 12" deep filter.

