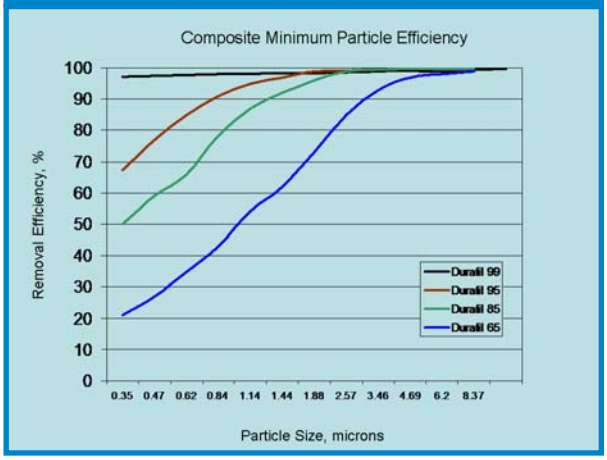
durafil ®

High-Capacity V-Style High-Efficiency ASHRAE Filter in an All-Plastic Enclosing Frame

More media area than any other ASHRAE grade high efficiency filter, providing the lowest cost of ownership.



Values are MERVs when evaluated per ASHRAE 52.2.

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

- Includes a wet-laid, microfine fiber media in a unique pleat-in-pleat V-bank design with 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:

Model	ASHRAE 52.2-1999 MERV	ASHRAE 52.1-1992 (Dust Spot)	Eurovent
DU1511 ** - 65	11	60-65%	F6
DU1511 ** - 85	13	80-85%	F7
DU1511 ** - 95	14	90-95%	F8
DU1511 ** - 99	16	99%	F9

DU1511**-99 uses media that has an efficiency of 95% at 0.3 microns.
** Size Identifier

- 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
- Includes a one-inch header for added stability and a secure fit into the filter holding mechanism. The header is permanently attached to the side flanges and side channels
- 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
- Is available with dual headers .

The Durafil is excellent for VAV systems, air-starved systems, or any commercial, medical or industrial application where energy savings is a consideration.

camfil FARR

Camfil Farr	Product sheet
Durafil®	1515 - 0804
Camfil Farr—clean air solutions	

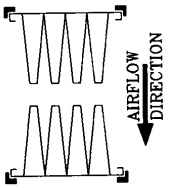
PERFORMANCE DATA

DURAFIL®

Model	ASHRAE MERV Efficiency (Dust Spot)	Dimensions (inches)	Airflow Capacity (cfm)	Resistance (inches w.g.)		Media Area (sq. ft.)	Weight (lbs)
				Initial	Maximum Recommended Final		
DU1511-11-65	11 (60-65%)	23.38 x 23.38 x 11.50	2000	0.27”	2.0”	200	17
DU1511-21-65		23.38 x 19.38 x 11.50	1500			160	16
DU1511-51-65		23.38 x 11.38 x 11.50	1000			100	11
DU1511-31-65		19.38 x 19.38 x 11.50	1250			125	15
DU1511-11-85	13 (80-85%)	23.38 x 23.38 x 11.50	2000	0.33”	2.0”	200	17
DU1511-21-85		23.38 x 19.38 x 11.50	1500			160	16
DU1511-51-85		23.38 x 11.38 x 11.50	1000			100	11
DU1511-31-85		19.38 x 19.38 x 11.50	1250			125	15
DU1511-11-95	14 (90-95%)	23.38 x 23.38 x 11.50	2000	0.37”	2.0”	200	17
DU1511-21-95		23.38 x 19.38 x 11.50	1500			160	16
DU1511-51-95		23.38 x 11.38 x 11.50	1000			100	11
DU1511-31-95		19.38 x 19.38 x 11.50	1250			125	15
DU1511-11-99	16 (99%)	23.38 x 23.38 x 11.50	2000	0.80”	2.0”	200	17
DU1511-21-99		23.38 x 19.38 x 11.50	1500			160	16
DU1511-51-99		23.38 x 11.38 x 11.50	1000			100	11
DU1511-31-99		19.38 x 19.38 x 11.50	1250			125	15

DATA NOTES:
Maximum recommended final resistance is 2.0” w.g. System design may dictate a lower change-out point.
Standard Durafil has one header, optional double header model available.
Maximum continuous operating temperature is 175° F.
*DU1511**-99 uses media with an efficiency of 95% at 0.3 microns.*

Airflow may be in either direction.



Options:
Also available with 98 DOP media.
Available with gaskets in any location.

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.
2.5 - The filter shall have a nominal 1” header that is integral with side panels and side channels.
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 52.2-1999. It shall have an average dust spot efficiency of (60-65%, 80-85%, 90-95%, 99%)* when evaluated under ASHRAE Standard 52.1-1992.
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 Standards 52.1 and 52.2.

** Items in parentheses ( ) require selection.*

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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Certified Quality System ISO 9001:2000