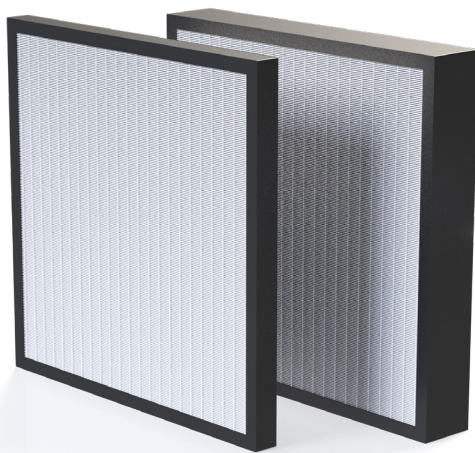




Opti-Pac® Durable

Compact, Space Saving, 2" or 4" Deep High Efficiency Air Filter



Uniform pleat separation and media exposure to airflow to ensure high dust loading.

Media bonded to the frame to eliminate air bypass.

Plastic enclosing frame ensures filter pack rigidity and media support throughout the life of the filter, guaranteed.

Most robust high efficiency 2-inch and 4-inch deep filter available.

Available in a variety of sizes.

The Camfil Opti-Pac Durable can provide high MERV-A particle capture efficiency in those units where only 2-inch or 4-inch air filters are possible.

The Opti-Pac Durable is available in three standard efficiencies:

ASHRAE Standard 52.2 Appendix J

2-Inch model	4-Inch model
MERV 15/MERV-A 14A	MERV 15/MERV-A 14A
MERV 13/MERV-A 12A	MERV 13/MERV-A 13A
MERV 11/MERV-A 11A	MERV 11/MERV-A 11A

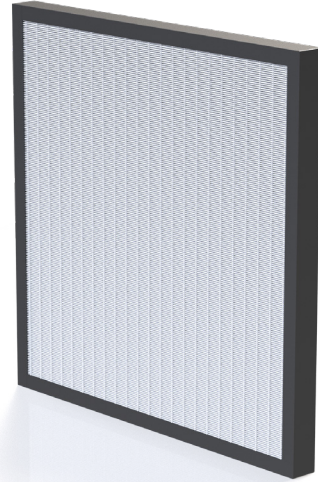
The Opti-Pac Durable includes:

- Synthetic fiber based media in a close-pleat design.
- Media is bonded to the inside of the all plastic frame around the entire periphery to eliminate particle bypass.
- Thermoplastic resin separators ensure full use of media area and uniform airflow.
- The overall design yields low system resistance and extended service life.
- Media pack strength is such that Camfil guarantees 2-inch product to 5.0" of water gauge and 4-inch product to 10.0" of water gauge.
- The Opti-Pac Durable is available in a variety of common sizes for virtually any application.
- Has an ECI¹ value of 3-Stars.

In situations where high MERV-A values are required, the Opti-Pac Durable is able to meet those guidelines and achieve compliance with the additional benefit of sustained particle capture efficiency for the duration of service life.

¹ 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. Product specifications are available on the Camfil web site.

Camfil Opti-Pac® Durable



The Camfil Opti-Pac Durable two-inch deep model may be used in any HVAC system that incorporates a two-inch filter track including free-standing package units, built-up filter banks, rooftop air handlers and residential furnaces or air conditioning.

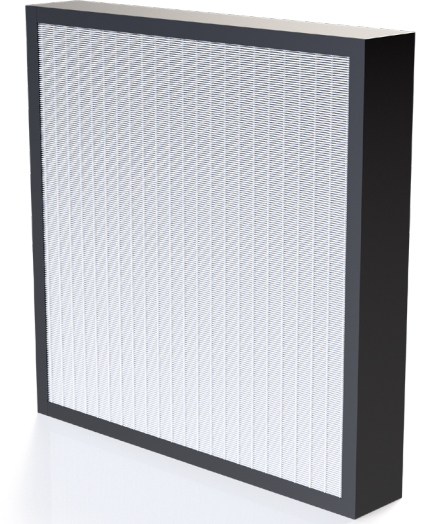
Available in efficiencies of MERV 11/MERV-A 11A to address dust, mold and bacteria, MERV 13/MERV-A 12A to address typical particulate-related IAQ concerns in commercial buildings, or MERV 15/MERV-A 14A to address critical sub-micron particle capture requirements, the two-inch deep Opti-Pac Durable is capable of withstanding a resistance of up to 5.0" w.g. without failure.

The MERV 13/MERV-A 12A model also addresses the requirements for this efficiency in buildings using standard HVAC units and being designed to obtain LEED certification.

Its increased efficiency will benefit existing buildings where historically the building owners may have been limited to MERV 13/8A levels of efficiency with two-inch deep pleated panel filters.

Available in eight standard sizes; contact factory for special size availability.

Camfil Opti-Pac® Durable



The Camfil Opti-Pac Durable four-inch deep model is an excellent filter when used as a replacement for short depth filters in commercial buildings, schools, municipal buildings, hospitality, data centers and any location seeking the benefit of improved indoor air quality. It may be installed in HVAC equipment including free-standing package units, built-up filter banks, rooftop air handlers and residential furnaces or air conditioning.

Available in efficiencies of MERV 11/MERV-A 11A to address dust, mold and bacteria, MERV 13/MERV-A 13A to address LEED design requirements, or MERV 15/MERV-A 14A to address critical sub-micron particle capture requirements, the four-inch deep Opti-Pac Durable is capable of withstanding a resistance of up to 10.0" w.g. without failure.

With its compact design it is convenient and timesaving for building owners as multiple units may be transported and installed when compared to bulky box filters. It also takes up less space in disposal dumpsters and landfills making it environmentally friendly when compared to other high efficiency air filters.

Available in eight standard sizes; contact factory for special size availability.

2-Inch Deep Performance & Dimensional Data

ASHRAE Efficiency	Part Number	Model Number	Actual Depth (inches)	Nominal Size (inches, H x W)	Actual Dimensions (inches, H x W)	Initial Resistance (inches w.g.)	Airflow Capacity (cfm)	Media Area (sq. ft)
MERV 11	855142001	OPDBMV11 24x24x2	1.80	24 x 24	23.31 x 23.31	0.46	2000	54
	855142002	OPDBMV11 24x20x2		24 x 20	23.31 x 19.31		1670	45
	855142003	OPDBMV11 12x24x2		12 x 24	11.31 x 23.31		1000	26
	855142004	OPDBMV11 20x20x2		20 x 20	19.31 x 19.31		1390	37
	855142005	OPDBMV11 20x16x2		20 x 16	19.31 x 15.31		1110	29
	855142006	OPDBMV11 16x25x2		16 x 25	15.31 x 24.31		1390	37
	855142008	OPDBMV11 20x25x2		20 x 25	19.31 x 24.31		1740	47
	855142009	OPDBMV11 24x18x2		24 x 18	23.31 x 17.31		1500	40
	MERV 13	855142011		OPDBMV13 24x24x2	1.80		24 x 24	23.31 x 23.31
855142012		OPDBMV13 24x20x2	24 x 20	23.31 x 19.31		1670	45	
855142013		OPDBMV13 12x24x2	12 x 24	11.31 x 23.31		1000	26	
855142014		OPDBMV13 20x20x2	20 x 20	19.31 x 19.31		1390	37	
855142015		OPDBMV13 20x16x2	20 x 16	19.31 x 15.31		1110	29	
855142016		OPDBMV13 16x25x2	16 x 25	15.31 x 24.31		1390	37	
855142018		OPDBMV13 20x25x2	20 x 25	19.31 x 24.31		1740	47	
855142019		OPDBMV13 24x18x2	24 x 18	23.31 x 17.31		1500	40	
MERV 15		855142031	OPDBMV15 24x24x2	1.80		24 x 24	23.31 x 23.31	0.60
	855142032	OPDBMV15 24x20x2	24 x 20		23.31 x 19.31	1670	45	
	855142033	OPDBMV15 12x24x2	12 x 24		11.31 x 23.31	1000	26	
	855142034	OPDBMV15 20x20x2	20 x 20		19.31 x 19.31	1390	37	
	855142035	OPDBMV15 20x16x2	20 x 16		19.31 x 15.31	1110	29	
	855142036	OPDBMV15 16x25x2	16 x 25		15.31 x 24.31	1390	37	
	855142038	OPDBMV15 20x25x2	20 x 25		19.31 x 24.31	1740	47	
	855142039	OPDBMV15 24x18x2	24 x 18		23.31 x 17.31	1500	40	

DATA NOTES

Maximum recommended pressure drop is 1.50" w.g., system design may dictate a lower change-out point. The Opti-Pac is listed by Underwriters Laboratories as UL 900. Maximum continuous operating temperature 175° F (80° C). Performance tolerance in conformance with ARI Standard 850.

4-Inch Deep Performance & Dimensional Data

ASHRAE Efficiency	Part Number	Model Number	Actual Depth (inches)	Nominal Size (inches, H x W)	Actual Dimensions (inches, H x W)	Initial Resistance (inches w.g.)	Airflow Capacity (cfm)	Media Area (sq. ft)
MERV 11	855143001	OPDBMV11 24x24x4	3.80	24 x 24	23.31 x 23.31	0.37	2000	77
	855143002	OPDBMV11 24x20x4		24 x 20	23.31 x 19.31		1670	63
	855143003	OPDBMV11 12x24x4		12 x 24	11.31 x 23.31		1000	36
	855143004	OPDBMV11 20x20x4		20 x 20	19.31 x 19.31		1390	52
	855143005	OPDBMV11 20x16x4		20 x 16	19.31 x 15.31		1110	41
	855143006	OPDBMV11 16x25x4		16 x 25	15.31 x 24.31		1390	52
	855143008	OPDBMV11 20x25x4		20 x 25	19.31 x 24.31		1740	66
	855143009	OPDBMV11 24x18x4		24 x 18	23.31 x 17.31		1500	57
	MERV 13	855143011		OPDBMV13 24x24x4	3.80		24 x 24	23.31 x 23.31
855143012		OPDBMV13 24x20x4	24 x 20	23.31 x 19.31		1670	63	
855143013		OPDBMV13 12x24x4	12 x 24	11.31 x 23.31		1000	36	
855143014		OPDBMV13 20x20x4	20 x 20	19.31 x 19.31		1390	52	
855143015		OPDBMV13 20x16x4	20 x 16	19.31 x 15.31		1110	41	
855143016		OPDBMV13 16x25x4	16 x 25	15.31 x 24.31		1390	52	
855143018		OPDBMV13 20x25x4	20 x 25	19.31 x 24.31		1740	66	
855143019		OPDBMV13 24x18x4	24 x 18	23.31 x 17.31		1500	57	
MERV 15		855143031	OPDBMV15 24x24x4	3.80		24 x 24	23.31 x 23.31	0.50
	855143032	OPDBMV15 24x20x4	24 x 20		23.31 x 19.31	1670	63	
	855143033	OPDBMV15 12x24x4	12 x 24		11.31 x 23.31	1000	36	
	855143034	OPDBMV15 20x20x4	20 x 20		19.31 x 19.31	1390	52	
	855143035	OPDBMV15 20x16x4	20 x 16		19.31 x 15.31	1110	41	
	855143036	OPDBMV15 16x25x4	16 x 25		15.31 x 24.31	1390	52	
	855143038	OPDBMV15 20x25x4	20 x 25		19.31 x 24.31	1740	66	
	855143039	OPDBMV15 24x18x4	24 x 18		23.31 x 17.31	1500	57	

DATA NOTES

Maximum recommended pressure drop is 1.50" w.g., system design may dictate a lower change-out point. The Opti-Pac is listed by Underwriters Laboratories as UL 900. Maximum continuous operating temperature 175° F (80° C). Performance tolerance in conformance with ARI Standard 850.



Opti-Pac® Durable

Compact, Space Saving, 2" or 4" Deep High Efficiency Air Filter

Specifications

Camfil 2" Deep Opti-Pac Durable Air Filter Specification

1.0 General

1.1 - Air filters shall be two-inch deep high efficiency ASHRAE box style filters consisting of synthetic media, thermoplastic resin separators, frame to media adhesive and plastic 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 one continuous sheet of synthetic mat filter media formed into uniformly spaced pleats and formed into a mini-pleat pack configuration.

2.2 - Thermoplastic pleat separators shall provide uniform media separation to promote uniform airflow throughout the media.

2.3 - The enclosing frame shall be of plastic construction and bonded to the entire periphery of the media pack to prevent air bypass.

2.4 - Filter frame shall be double walled design for increased filter strength

3.0 Performance

3.1 - The filter shall have a Minimum Efficiency Reporting Value of MERV (11, 13, 15)* when evaluated under the guidelines of ASHRAE Standard 52.2 and MERV 11A, 12A and 14A when evaluated under 52.2 with Appendix J.

3.2 - Initial resistance to airflow shall be (0.46", 0.50", 0.60")* w.g for a 2" deep model at an airflow of 500 fpm.

3.3 - Filter shall be listed by Underwriters Laboratories as UL 900.

3.4 - The filter shall be capable of withstanding 5.0" w.g. without failure of the media pack.

Supporting Data - Provide ASHRAE product test report per ASHRAE Standard 52.2. Product shall be Camfil Opti-Pac Durable or approved equal.

* Items in parentheses () require selection.

Camfil 4" Deep Opti-Pac Durable Air Filter Specification

1.0 General

1.1 - Air filters shall be 4" deep high efficiency ASHRAE box style filters consisting of synthetic media, thermoplastic resin separators, frame to media adhesive and plastic 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 one continuous sheet of synthetic mat filter media formed into uniformly spaced pleats and formed into a mini-pleat pack configuration.

2.2 - Thermoplastic pleat separators shall provide uniform media separation to promote uniform airflow throughout the media.

2.3 - The enclosing frame shall be of plastic construction and bonded to the entire periphery of the media pack to prevent air bypass.

2.4 - Filter frame shall be double walled design for increased filter strength.

3.0 Performance

3.1 - The filter shall have a Minimum Efficiency Reporting Value of MERV (11, 13, 15)* when evaluated under the guidelines of ASHRAE Standard 52.2 and MERV 11A, 13A and 14A when evaluated under 52.2 with Appendix J.

3.2 - Initial resistance to airflow shall be (0.37", 0.46", 0.50")* w.g for a 4" deep model at an airflow of 500 fpm.

3.3 - Filter shall be listed by Underwriters Laboratories as UL 900.

3.4 - The filter shall be capable of withstanding 10.0" w.g. without failure of the media pack.

Supporting Data - Provide ASHRAE product test report per ASHRAE Standard 52.2. Product shall be Camfil Opti-Pac Durable or approved equal.

* Items in parentheses () require selection.



Detailed specifications for Camfil products are available at www.camfil.com web site. Camfil is committed to continuous research, development and product improvement. We reserve the right to change designs and specifications without notice.



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