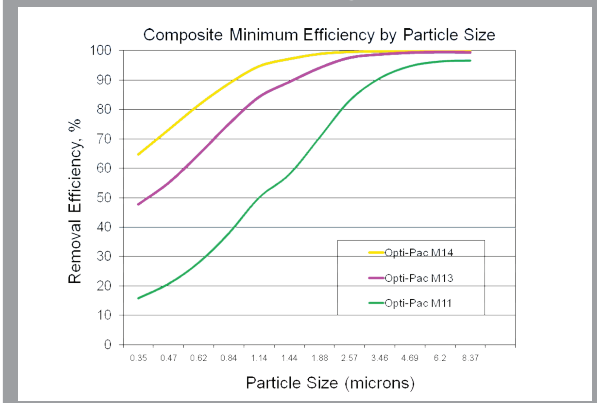
Opti-Pac®

Compact, space-saving 4″ deep high efficiency air filter

A 4″ deep high efficiency air filter that is easy to handle and conserves space in air handlers and inventory areas.



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

The Camfil Opti-Pac provides high efficiency air filtration in a space saving 4-inch deep filter pack that can reduce valuable in-line air handler component depth and reduce inventory space requirements. Light weight and easy to handle, the Opti-Pac is available in efficiencies of MERV 11, MERV 13 and MERV 14 per ASHRAE Standard 52.2. and ePM_{10}-70, ePM_1-60, and ePM_1-70 per ISO Standard 16890. The Opti-Pac:

- Incorporates a wet-laid micro fine glass media in a Close-Pleat™ design for optimum airflow, low system air resistance, and extended service life.
- Maintains its efficiency throughout its life in an HVAC system.
- Has the lowest pressure drop of any fine fiber 4-inch deep mini-pleated filter.
- Includes thermoplastic resin separators ensuring full use of media area and uniform airflow through the filter. Pressure drop increases are minimized resulting in a lower average energy cost.
- Includes a high wet-strength beverage board frame that is resistant to moisture. The frame is bonded to the media around the entire periphery to eliminate air bypass.
- Has diagonal support members on the air-entering and air-exiting sides ensuring filter pack rigidity. The diagonal support members are bonded to the apex of each media pleat to ensure pleat and media stability and assist in providing a strong and durable filter enclosure.
- Is guaranteed against media pack failure to 5.0” w.g.. Expensive filter blowouts are eliminated and system cleanliness and integrity are maintained.
- Is available in a variety of sizes for virtually any application.

The Opti-Pac is excellent for VAV systems, or any commercial, medical or industrial application where space is a premium. Its compact depth reduces the in line space in air handlers allowing the application of additional components or reducing the overall space footprint of the air handling system. Disposal costs are also minimized as the Opti-Pac reduces waste by consuming up to 2/3 less dumpster volume; reducing disposal costs and the facility’s carbon footprint. .

[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.

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Performance Data

ASHRAE Efficiency	Part Number	Nominal Depth (inches)	Nominal Size (inches, H x W)	Actual Depth (inches)	Actual Dimensions (H x W) (inches)	Initial Resistance (inches w.g.)	Airflow Capacity (cfm)	Media Area (sq. ft.)
MERV 11 ePM_{10}-70	855148-001	4	20 X 20	3.75	19.38 X 19.38	0.33	1390	80
	855148-002		24 X 12		23.38 X 11.38		1000	53
	855148-003		24 X 20		23.38 X 19.38		1670	97
	855148-004		24 X 24		23.38 X 23.38		2000	113
	855148-005		25 X 16		24.38 X 15.38		1390	80
	855148-006		20 X 16		19.38 X 15.38		1100	64
	855148-007		24 X 18		23.38 X 17.38		1500	87
	855148-008		25 X 20		24.38 X 19.38		1740	101
MERV 13 ePM_1-60	855148-011	4	20 X 20	3.75	19.38 X 19.38	0.49	1390	80
	855148-012		24 X 12		23.38 X 11.38		1000	53
	855148-013		24 X 20		23.38 X 19.38		1670	97
	855148-014		24 X 24		23.38 X 23.38		2000	113
	855148-015		25 X 16		24.38 X 15.38		1390	80
	855148-016		20 X 16		19.38 X 15.38		1100	64
	855148-017		24 X 18		23.38 X 17.38		1500	87
	855148-018		25 X 20		24.38 X 19.38		1740	101
MERV 14 ePM_1-70	855148-021	4	20 X 20	3.75	19.38 X 19.38	0.64	1390	80
	855148-022		24 X 12		23.38 X 11.38		1000	53
	855148-023		24 X 20		23.38 X 19.38		1670	97
	855148-024		24 X 24		23.38 X 23.38		2000	113
	855148-025		25 X 16		24.38 X 15.38		1390	80
	855148-026		20 X 16		19.38 X 15.38		1100	64
	855148-027		24 X 18		23.38 X 17.38		1500	87
	855148-028		25 X 20		24.38 X 19.38		1740	101

DATA NOTES
Filter should be scheduled for change when initial pressure drop has doubled. Final pressure drop should not exceed 1.0" w.g.
Filters are listed by Underwriters Laboratories as UL900.
Maximum continuous operating temperature 140° F, intermittent 175° F.

Specifications

1.0 General

1.1 - Air filters shall be 4" deep high efficiency ASHRAE box style filters consisting of mini-pleated wet laid fine fiber media, thermoplastic resin separators, frame to media adhesive and high wet strength beverage board 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 micro fine wet-laid glass 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 high wet strength beverage board which shall be bonded to the entire periphery of the media pack to prevent air bypass.

2.4 - The frame shall include integral diagonal support members to ensure maintained media spacing and pleat stability. The diagonal support members shall be bridge-engineered to prevent filter racking and ensure filter configuration integrity.

2.5 - Filter shall be bidirectional 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 a MERV-A of (11, 13, 14)* when tested under Appendix J of that standard. It shall have an efficiency of (ePM_{10}-70, ePM_1-60, ePM_1-70)* when evaluated per ISO filter testing standard 16890.

3.2 - Initial resistance to airflow shall be (0.33", 0.49", 0.64")* w.g at an airflow of 500 fpm.

3.3 Filters shall be listed UL 900 by Underwriters Laboratories.

3.3- Manufacturer shall provide evidence of facility certification to ISO 9001:20015

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

Supporting Data - Provide ASHRAE product test report per ASHRAE Standard 52.2, including testing per appendix J and ISO Standard 16890.

Product shall be Camfil Opti-Pac or approved equal.

Items in parentheses ( ) require selection.

camfil ISO 9001:2015 Certified Quality System

For detailed specifications please consult your local Camfil Distributor or Representative or www.camfil.us.

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

ENERGY COST INDEX ★★★☆☆

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