# Opti-Pac® Durable

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

ENERGY COST INDEX ★★★☆☆

**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 provides high efficiency air filtration in a space saving 2” or 4” deep filter pack that can reduce valuable in-line air handler component depth and reduce filter inventory space requirements. Light weight and easy to handle, the Opti-Pac is available in efficiencies of MERV 11, MERV 13 and MERV 15 per ASHRAE Standard 52.2. The Camfil Opti-Pac:

- Incorporates a synthetic media in a close-pleat design for optimum airflow, low system air resistance, and extended service life.
- Includes a plastic enclosing frame for additional support. The frame is bonded to the media around the entire periphery to eliminate air bypass. The filter pack strength is so significant that Camfil guarantees the 2” deep Opti-Pac to 5.0” w.g. and the 4” Opti-Pac to 10.0” w.g.
- Includes thermoplastic resin separators ensuring full use of media area and uniform airflow throughout the filter. Pressure drop is minimized over the filter’s life resulting in a lower average energy cost.
- Is available in a variety of sizes for virtually any application.
- Has an ECI[1] value of 3-Stars.

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.

[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 to address dust, mold and bacteria, MERV 13 to address typical particulate-related IAQ concerns in commercial buildings, or MERV 15 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 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 5 to 8 levels of efficiency with two-inch deep pleated panel filters.

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

### 2-Inch Deep Performance & Dimesional 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 | 1.80 | 24 x 24 | 23.31 x 23.31 | 0.46 | 2000 | 54 |
| | 855143002 | OPDBMV11 24x20x4 | | 24 x 20 | 23.31 x 19.31 | | 1670 | 45 |
| | 855143003 | OPDBMV11 12x24x4 | | 12 x 24 | 11.31 x 23.31 | | 1000 | 26 |
| | 855143004 | OPDBMV11 20x20x4 | | 20 x 20 | 19.31 x 19.31 | | 1390 | 37 |
| | 855143005 | OPDBMV11 20x16x4 | | 20 x 16 | 19.31 x 15.31 | | 1110 | 29 |
| | 855143006 | OPDBMV11 16x25x4 | | 16 x 25 | 15.31 x 24.31 | | 1390 | 37 |
| | 855143008 | OPDBMV11 20x25x4 | | 20 x 25 | 19.31 x 24.31 | | 1740 | 47 |
| | 855143009 | OPDBMV11 24x18x4 | | 24 x 18 | 23.31 x 17.31 | | 1500 | 40 |
| MERV 13 | 855143011 | OPDBMV13 24x24x4 | | 24 x 24 | 23.31 x 23.31 | 0.50 | 2000 | 54 |
| | 855143012 | OPDBMV13 24x20x4 | | 24 x 20 | 23.31 x 19.31 | | 1670 | 45 |
| | 855143013 | OPDBMV13 12x24x4 | | 12 x 24 | 11.31 x 23.31 | | 1000 | 26 |
| | 855143014 | OPDBMV13 20x20x4 | | 20 x 20 | 19.31 x 19.31 | | 1390 | 37 |
| | 855143015 | OPDBMV13 20x16x4 | | 20 x 16 | 19.31 x 15.31 | | 1110 | 29 |
| | 855143016 | OPDBMV13 16x25x4 | | 16 x25 | 15.31 x 24.31 | | 1390 | 37 |
| | 855143018 | OPDBMV13 20x25x4 | | 20 x 25 | 19.31 x 24.31 | | 1740 | 47 |
| | 855143019 | OPDBMV13 24x18x4 | | 24 x 18 | 23.31 x 17.31 | | 1500 | 40 |
| MERV 15 | 855143031 | OPDBMV15 24x24x4 | | 24 x 24 | 23.31 x 23.31 | 0.60 | 2000 | 54 |
| | 855143032 | OPDBMV15 24x20x4 | | 24 x 20 | 23.31 x 19.31 | | 1670 | 45 |
| | 855143033 | OPDBMV15 12x24x4 | | 12 x 24 | 11.31 x 23.31 | | 1000 | 26 |
| | 855143034 | OPDBMV15 20x20x4 | | 20 x 20 | 19.31 x 19.31 | | 1390 | 37 |
| | 855143035 | OPDBMV15 20x16x4 | | 20 x 16 | 19.31 x 15.31 | | 1110 | 29 |
| | 855143036 | OPDBMV15 16x25x4 | | 16 x25 | 15.31 x 24.31 | | 1390 | 37 |
| | 855143038 | OPDBMV15 20x25x4 | | 20 x 25 | 19.31 x 24.31 | | 1740 | 47 |
| | 855143039 | OPDBMV15 24x18x4 | | 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 175º F (80º C.
Performance tolerance in conformance with ARI Standard 850.

## 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 ranging from free-standing package units, built-up filter banks, rooftop air handlers and residential furnaces or air conditioning.

Available in efficiencies of MERV 11 to address dust, mold and bacteria, MERV 13 to address LEED design requirements, or MERV 15 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.

### 4-Inch Deep Performance & Dimesional 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 | 3.80 | 24 x 24 | 23.31 x 23.31 | 0.37 | 2000 | 77 |
| | 855142002 | OPDBMV11 24x20x2 | | 24 x 20 | 23.31 x 19.31 | | 1670 | 63 |
| | 855142003 | OPDBMV11 12x24x2 | | 12 x 24 | 11.31 x 23.31 | | 1000 | 36 |
| | 855142004 | OPDBMV11 20x20x2 | | 20 x 20 | 19.31 x 19.31 | | 1390 | 52 |
| | 855142005 | OPDBMV11 20x16x2 | | 20 x 16 | 19.31 x 15.31 | | 1110 | 41 |
| | 855142006 | OPDBMV11 16x25x2 | | 16 x 25 | 15.31 x 24.31 | | 1390 | 52 |
| | 855142008 | OPDBMV11 20x25x2 | | 20 x 25 | 19.31 x 24.31 | | 1740 | 66 |
| | 855142009 | OPDBMV11 24x18x2 | | 24 x 18 | 23.31 x 17.31 | | 1500 | 57 |
| MERV 13 | 855142011 | OPDBMV13 24x24x2 | | 24 x 24 | 23.31 x 23.31 | 0.40 | 2000 | 77 |
| | 855142012 | OPDBMV13 24x20x2 | | 24 x 20 | 23.31 x 19.31 | | 1670 | 63 |
| | 855142013 | OPDBMV13 12x24x2 | | 12 x 24 | 11.31 x 23.31 | | 1000 | 36 |
| | 855142014 | OPDBMV13 20x20x2 | | 20 x 20 | 19.31 x 19.31 | | 1390 | 52 |
| | 855142015 | OPDBMV13 20x16x2 | | 20 x 16 | 19.31 x 15.31 | | 1110 | 41 |
| | 855142016 | OPDBMV13 16x25x2 | | 16 x25 | 15.31 x 24.31 | | 1390 | 52 |
| | 855142018 | OPDBMV13 20x25x2 | | 20 x 25 | 19.31 x 24.31 | | 1740 | 66 |
| | 855142019 | OPDBMV13 24x18x2 | | 24 x 18 | 23.31 x 17.31 | | 1500 | 57 |
| MERV 15 | 855142031 | OPDBMV15 24x24x2 | | 24 x 24 | 23.31 x 23.31 | 0.50 | 2000 | 77 |
| | 855142032 | OPDBMV15 24x20x2 | | 24 x 20 | 23.31 x 19.31 | | 1670 | 63 |
| | 855142033 | OPDBMV15 12x24x2 | | 12 x 24 | 11.31 x 23.31 | | 1000 | 36 |
| | 855142034 | OPDBMV15 20x20x2 | | 20 x 20 | 19.31 x 19.31 | | 1390 | 52 |
| | 855142035 | OPDBMV15 20x16x2 | | 20 x 16 | 19.31 x 15.31 | | 1110 | 41 |
| | 855142036 | OPDBMV15 16x25x2 | | 16 x25 | 15.31 x 24.31 | | 1390 | 52 |
| | 855142038 | OPDBMV15 20x25x2 | | 20 x 25 | 19.31 x 24.31 | | 1740 | 66 |
| | 855142039 | OPDBMV15 24x18x2 | | 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 175º F (80º 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.

**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** - Manufacturer shall provide evidence of facility certification to ISO 9001:2015.

**3.5** - 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.

**3.2** - Initial resistance to airflow shall be (0.37”, 0.40”, 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** - Manufacturer shall provide evidence of facility certification to ISO 9001:2015.

**3.5** - 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.

camfil ISO 9001:2015 Certified Quality System

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.

U.S. GREEN BUILDING COUNCIL MEMBER

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