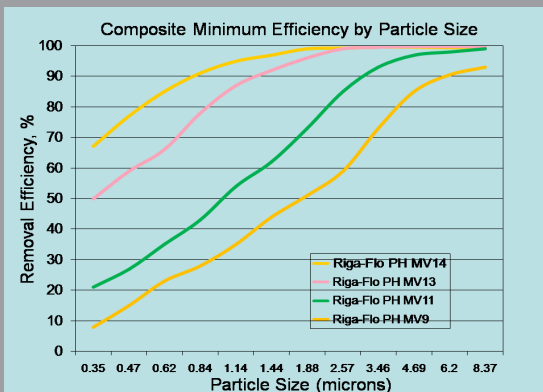




Full utilization of media area for longer life and performance that is not affected by varying system airflow.



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

The Camfil Riga-Flo® PH provides high efficiency ASHRAE air filtration performance in a compact, supported media design. The materials of construction preclude contaminant amplification as all components are inert with respect to supporting the growth of captured bacteria or other viable contaminants. The Riga-Flo:

- Is available in four standard efficiencies — MERV 9, MERV 11, MERV 13 and MERV 14 per ASHRAE Standard 52.2. The Riga-Flo has a MERV-A value of 9, 11, 13 or 14 when tested using the conditioning step as specified in Appendix J of the same Standard.
- Includes high-lofted, depth-loading, micro fine glass media for longer service life and uniform low resistance to airflow. Filtration efficiency is maintained throughout the life of the filter.
- Has unique media backing to maintain fiber blanket uniformity and preclude media migration. The backing is bonded to the media to support and maintain tapered radial pleats and prevent media oscillation during varying system airflows.
- Includes a continuous adhesive bond around the media pack to eliminate air bypass and ensure integrity to 10" w.g.
- Includes an enclosing frame with integral peripheral header for side-access or front-loading applications.
- Includes all-metal diagonal support braces to assure filter rigidity and media pack protection.
- Includes unique bridge style plastic contour stabilizers, mechanically fastened to the diagonal support braces, on the air entering and air exiting sides, to ensure pleat support through turbulent or varying airflows.
- Has an ECI¹ value of four stars.

The Riga-Flo PH with its supported media is excellent for VAV systems or today's energy and disposal conscious HVAC applications.

¹ A 5-Star rating indicates that this filter performs in the top 20% of all products of similar construction in the HVAC industry. Factors of consideration include maintained efficiency, energy usage and resistance to air flow. Detailed evaluation information is available from your Camfil sales outlet or on the web at www.camfil.com.

Performance Data

| Filter Model & Efficiency ¹ | Part Number (A style header, nominal 1" track) | Part Number (B style header, nominal 1.5" track) | Nominal Size (inches) (H X W X D) | Header Dimensions & Box Depth (inches) (H X W X D) | Media Area (sq. ft.) | Airflow Capacity (cfm) | Initial Resistance (inches w.g.) |
|---|--|--|-----------------------------------|--|----------------------|------------------------|----------------------------------|
| Riga-Flo MV 14 PH MERV 14 MERV-A 14 | 402995-003 | 402996-003 | 24 X 24 X 12 | 23.38 X 23.38 X 11.50 | 45.5 | 2000 | 0.70 |
| | 402995-006 | 402996-006 | 24 X 12 X 12 | 23.38 X 11.38 X 11.50 | 21.2 | 1000 | |
| | 402995-009 | 402996-009 | 24 X 20 X 12 | 23.38 X 19.38 X 11.50 | 36.4 | 1660 | |
| | 402995-012 | 402996-012 | 20 X 20 X 12 | 19.38 X 19.38 X 11.50 | 29.7 | 1400 | |
| Riga-Flo MV 13 PH MERV 13 MERV-A 13 | 402995-002 | 402996-002 | 24 X 24 X 12 | 23.38 X 23.38 X 11.50 | 45.5 | 2000 | 0.60 |
| | 402995-005 | 402996-005 | 24 X 12 X 12 | 23.38 X 11.38 X 11.50 | 21.2 | 1000 | |
| | 402995-008 | 402996-008 | 24 X 20 X 12 | 23.38 X 19.38 X 11.50 | 36.4 | 1660 | |
| | 402995-011 | 402996-011 | 20 X 20 X 12 | 19.38 X 19.38 X 11.50 | 29.7 | 1400 | |
| Riga-Flo MV 11 PH MERV 11 MERV-A 11 | 402995-001 | 402996-001 | 24 X 24 X 12 | 23.38 X 23.38 X 11.50 | 45.5 | 2000 | 0.45 |
| | 402995-004 | 402996-004 | 24 X 12 X 12 | 23.38 X 11.38 X 11.50 | 21.2 | 1000 | |
| | 402995-007 | 402996-007 | 24 X 20 X 12 | 23.38 X 19.38 X 11.50 | 36.4 | 1660 | |
| | 402995-010 | 402996-010 | 20 X 20 X 12 | 19.38 X 19.38 X 11.50 | 29.7 | 1400 | |
| Riga-Flo MERV 9, as noted below, includes a wire backing on the media. | | | | | | | |
| Riga-Flo MV 9 PH MERV 9 MERV-A 9 | 096966-001 | 096967-001 | 24 X 24 X 12 | 23.38 X 23.38 X 11.50 | 45.5 | 2000 | 0.34 |
| | 096966-005 | 096967-005 | 24 X 12 X 12 | 23.38 X 11.38 X 11.50 | 21.2 | 1000 | |
| | 096966-009 | 096967-009 | 24 X 20 X 12 | 23.38 X 19.38 X 11.50 | 36.4 | 1660 | |
| | 096966-013 | 096967-013 | 20 X 20 X 12 | 19.38 X 19.38 X 11.50 | 29.7 | 1400 | |

DATA NOTES:

** Recommended final resistance is 1.5" w.g. System design may dictate a lower change-out point.

¹ Respective listed efficiencies are MERV per ASHRAE 52.2.

Most common header is style 'A', 0.81" actual. B style is 1.125" actual for old Cambridge housings.

Maximum continuous operating temperature is 200° F (93° C), intermittent 220° F (104° C).

For resistance versus airflow charts please contact Camfil R&D at (973) 616-7300.

Options:

Available in full box style (Product Sheet 1303), see photo to right.



Specification

Air Filters—1.0 General

1.1 - Air filters shall be high-efficiency ASHRAE high lofted supported media 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 micro fine glass laminated to a reinforced backing to form a uniform lofted media blanket.

2.2 - The media blanket shall be formed into uniform tapered radial pleats and bonded to a stiffened backing that is bonded to the downstream side of the media to preclude media oscillation. (MERV 9 models shall have a welded wire grid backing).

2.3 - The media shall be mechanically and chemically bonded within the frame to prevent air bypass.

2.4 - The enclosing frame shall be constructed of corrosion resistant galvanized steel. The media pleats shall be maintained by bridge style plastic contour stabilizers. There shall be a minimum of four contour stabilizers on the air entering side and four on the air exiting side. All-metal diagonal support members shall enhance filter pack rigidity and a durable filter enclosure.

2.5 - The filter shall include an integral header for installation in a standard (1", 1.5) nominal filter track.

3.0 Performance

3.1 - The filter shall have a Minimum Efficiency Reporting Value of MERV (9, 11, 13, 14)* when evaluated under the guidelines of ASHRAE Standard 52.2. It shall also have a MERV-A rating of (9, 11, 13, 14) when evaluated under ASHRAE Standard 52.2-2007 Appendix J.

3.2 - Initial resistance to airflow shall not exceed (0.34", 0.45", 0.60", 0.70")* w.g. at an airflow of 500 fpm.

3.3 - The filter shall be capable of withstanding 10" w.g. without failure of the media pack.

3.4 - Manufacturer shall provide evidence of facility certification to ISO 9001:2008.

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

Supporting Data - Provide product test reports for each listed efficiency including all details as prescribed in ASHRAE Standard 52.2, including Appendix J.

