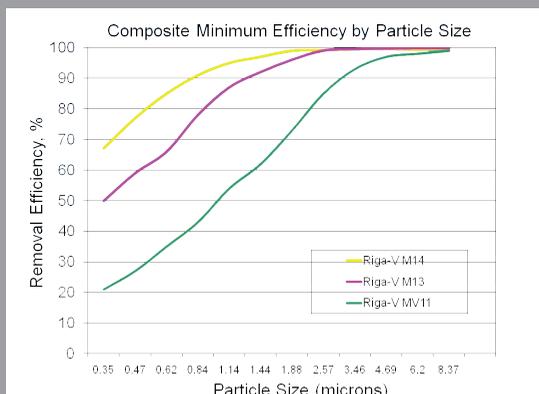




The Camfil Riga-V provides high efficiency ASHRAE air filtration performance in a compact, supported media design. The materials of construction preclude contaminant amplification, as all components are inert to supporting the growth of captured bacteria or other viable contaminants. The Riga-V:

- Is available in three efficiencies: MERV 11, MERV 13 and MERV 14, when evaluated under ASHRAE Standard 52.2.
- Includes high-lofted, depth-loading, synthetic media assembled in a unique V-pleat configuration for maximum airflow exposure, longer service life and uniform low resistance to airflow.
- Includes a wire media backing, spot-welded on one-inch centers, bonded to the media to support and maintain tapered radial pleats, and prevent media oscillation during varying system airflow.
- Includes bridge style plastic contour stabilizers on the downstream side that are tapered to the pleat configuration, to ensure pleat stability and media pack integrity.
- Includes a unique media-to-frame adhesive that prevents air bypass and ensures that all of the air seen by the filter will be treated by the filter. The media will not tear away from the frame even under the harshest airflow conditions.
- Includes an enclosing frame of corrosion-resistant galvanized steel that helps to ensure containment of captured contaminants during filter replacement.
- Includes diagonal frame support members that ensure filter rigidity and squareness. The filter will fit properly into any filter holding frame and seal uniformly across the filter frame sealing gasket.
- Has an ECI¹ value of three stars.
- The Riga-V may be used in commercial buildings, institutional and medical facilities, industrial facilities, utilities and any other location where clean air is required to protect products and people.

High efficiency supported media filtration in a low first cost V-pleat configuration.



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.

Performance

Model & Efficiency ¹	Part Number	Nominal Depth (inches)	Nominal Size (H x W) (inches)	Actual Size (inches)			Initial Resistance (inches, w.g.)	Airflow Capacity (cfm)	Media Area (ft ²)
				Depth	Height	Width			
Riga-V MV14 MERV 14	404340-014	12	24 x 12	11.50	23.38	11.38	0.47	1000	20.5
	404340-034		20 x 20		19.38	19.38		1400	28.6
	404340-024		24 x 20		23.38	19.38		1670	34.2
	404340-004		24 x 24		23.38	23.38		2000	41.0
Riga-V MV13 MERV 13	404340-013	12	24 x 12	11.50	23.38	11.38	0.38	1000	20.5
	404340-033		20 x 20		19.38	19.38		1400	28.6
	404340-023		24 x 20		23.38	19.38		1670	34.2
	404340-003		24 x 24		23.38	23.38		2000	41.0
Riga-V MV11 MERV 11	404340-012	12	24 x 12	11.50	23.38	11.38	0.29	1000	20.5
	404340-032		20 x 20		19.38	19.38		1400	28.6
	404340-022		24 x 20		23.38	19.38		1670	34.2
	404340-002		24 x 24		23.38	23.38		2000	41.0

DATA NOTES

¹ Respective listed efficiencies are MERV per ASHRAE Standard 52.2. Schedule filter change at double the initial pressure drop. Final pressure drop should not exceed 1.5" w.g. Maximum continuous operating temperature is 160° F (70° C), 180° F (82° C) intermittent. Also available in a header version, shown to the right. See Product Sheet 1417. Performance tolerance in conformance with ARI Standard 850. Camfil Riga-V is listed UL 900 by Underwriters Laboratories.



Camfil Riga-V Air Filter Specification

1.0 General

- 1.1** - Air filters shall be high efficiency ASHRAE grade with V-pleated high-lofted media, assembled into v-pleated media packs, in a compact and secure galvanized enclosing frame.
- 1.2** - Sizes shall be as noted on the enclosed drawings or other supporting materials.

2.0 Construction

- 2.1** - Filter shall include 2" deep V-pleated high-lofted synthetic media with a welded wire backing on the downstream side to facilitate 96% open area to airflow. The media shall be formed into multiple media packs and bonded to the enclosing frame on all sides. The bond shall have a high tear-away resistance to ensure that the media will not disengage during periods of normal HVAC airflow variations or system turbulence.
- 2.2** - A air-exiting side welded wire grid, for media support, shall be spot-welded on 1" centers and post treated for corrosion resistance. The wire shall be laminated to the media to prevent media oscillation or pull-away.
- 2.3** - There shall be two bridge style plastic contour pleat stabilizers on the

downstream side to ensure media pack stability and assist in maintaining pleat stability. The stabilizers shall be formed to contact each pleat peak in each media pack. The stabilizers shall include a rounded edge to preclude media damage.

2.4 - The enclosing frame shall be manufactured of corrosion resistant galvanized steel and create a rigid and durable filter enclosure. Diagonal support bracing of galvanized steel, on the upstream and downstream sides, shall assist in maintaining filter rigidity and squareness.

3.0 Performance

- 3.1** - The filter shall have a Minimum Efficiency Reporting Value of MERV (11,13,14)* when evaluated per ASHRAE Standard 52.2.
- 3.2** - Initial resistance to airflow shall be (0.29", 0.38", 0.47")* w.g. at a filter face velocity of 500 fpm.
- 3.3** - Manufacturer shall provide evidence of facility certification to ISO 9001:2000.
- 3.4** - Filter shall be rated by Underwriters Laboratories as UL 900. Supporting Data - Provide product test report for each listed efficiency including all details as prescribed in ASHRAE Standard 52.2.

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.

