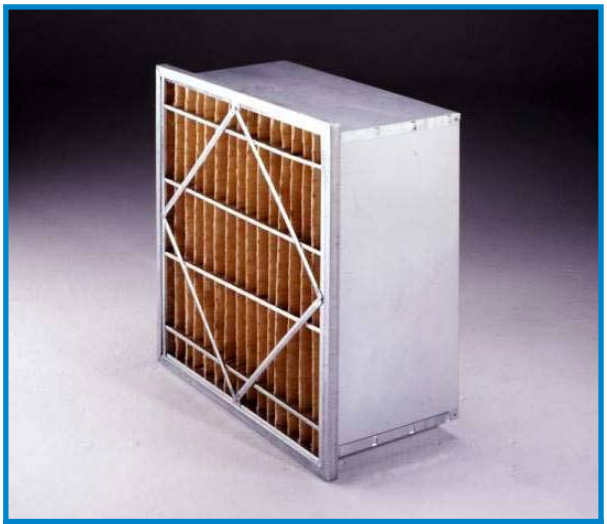
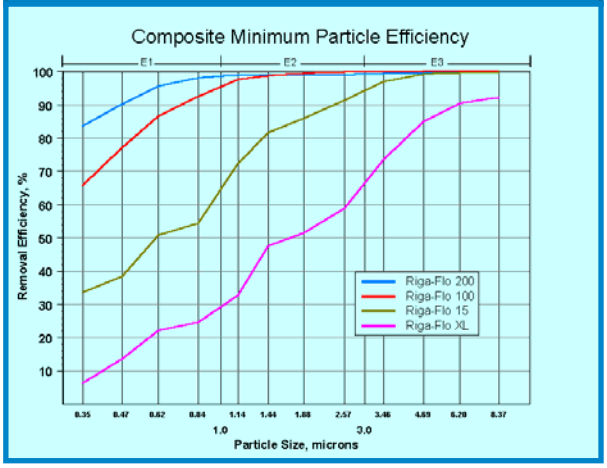
riga-flo® ph

High-Lofted Supported Media Air Filter For Side-Access Applications



The Camfil Farr Riga-Flo PH offers high efficiency supported media performance for side-access housing applications.



Values are MERVs when evaluated per ASHRAE 52.2.

The Camfil Farr 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 PH:

- Is available in four efficiencies:

Model	ASHRAE 52.2-1999 MERV	ASHRAE 52.1-1992 (Dust Spot)	Eurovent
Riga-Flo XL	9	40-45%	EU5
Riga-Flo 15	11	60-65%	EU6
Riga-Flo 100	13	80-85%	EU7
Riga-Flo 200	14	90-95%	EU8

- Includes high-lofted, depth-loading, microfine glass media for longer service life and uniform low resistance to airflow. Filtration efficiency is maintained throughout the life of the filter.
- Has a laminated media backing to maintain fiber blanket uniformity and preclude media migration.
- Includes a stiffened media backing that 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 inside media pack to eliminate air bypass and ensure integrity to 10” w.g.
- Includes an enclosing frame of corrosion resistant galvanized steel.
- Includes all-metal contour stabilizers on the air entering and air exiting sides to assure pleat support through turbulent or varying airflows.
- Includes all-metal diagonal support braces to assure filter rigidity and media pack protection. The braces are mechanically attached to the contour stabilizers to assist in maintaining a rigid and durable filter pack.
- Includes a 1” deep nominal size header for slide-in slide-out installation in side-access filter housings.

The Riga-Flo PH’s supported media is excellent for VAV systems or today’s energy conscious HVAC applications.

camfil FARR

Camfil Farr	Product sheet
Riga-Flo® PH	1303PH - 0704
Camfil Farr—clean air solutions	

PERFORMANCE DATA

RIGA-FLO® PH

Model	Nominal Size (inches)			Capacities (cfm)		Resistance @ Capacity (inches w.g.)			Media Area (ft^2)
	Height	Width	Depth	Medium	High	Medium	High	Final**	
RIGA-FLO XL/PH MERV 9	24	12	12	500	1000	.11	.34	1.5	22
	20	20	12	700	1400				33
	24	20	12	830	1660				40
	24	24	12	1000	2000				50
RIGA-FLO 15/PH MERV 11	24	12	12	500	1000	.14	.41	1.5	22
	20	20	12	700	1400				33
	24	20	12	830	1660				40
	24	24	12	1000	2000				50
RIGA-FLO 100/PH MERV 13	24	12	12	500	1000	.26	.65	1.5	22
	20	20	12	700	1400				33
	24	20	12	830	1660				40
	24	24	12	1000	2000				50
RIGA-FLO 200/PH MERV 14	24	12	12	500	1000	.35	.82	1.5	22
	20	20	12	700	1400				33
	24	20	12	830	1660				40
	24	24	12	1000	2000				50

DATA NOTES:
*** Recommended final resistance is 1.5" w.g. System design may dictate a lower change-out point.*
Maximum continuous operating temperature is 300° F (148° C), intermittent 325° F (162° C).

Options:
Available in full box style (Bulletin 1303).
Available with a 1.12" header (Style B).

SPECIFICATIONS

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 microfine glass laminated to a reinforcing 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.
2.3 - The media shall be mechanically and chemically bonded to the inside periphery of the enclosing frame to prevent air bypass.
2.4 - The enclosing frame shall be constructed of corrosion resistant galvanized steel. Media support contour stabilizers shall be mechanically fastened to diagonal support members of the same construction shall create a rigid and durable filter enclosure. There shall be a minimum of four contour stabilizers on the air entering side and four on the air exiting side.
2.5 - The filter shall include an integral header for installation in a standard 1" 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 52.2-1999. It shall have an average dust spot efficiency of (40-45%, 60-65%, 80-85%, 90-95%)* when evaluated under ASHRAE Standard 52.1-1992.
3.2 - Initial resistance to airflow shall not exceed (0.34, 0.41", 0.65", 0.82")* 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 9001:2000.
3.5 - Filter shall be rated by Underwriters Laboratories as UL Class 2.

Supporting Data - Provide product test reports for each listed efficiency including all details as prescribed in ASHRAE Standards 52.1 and 52.2.

** Items in parentheses ( ) require selection.*

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

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Certified Quality System ISO 9001:2000