VARI-PAK®
Extended Surface Rigid Cell Filters
Dual Layer, Microfine Synthetic Media
High Loft Microglass Media

PH Model with Header
(Microglass Media)

Box Style
(Synthetic Media)
VARI-PAK® Rigid Box Filters

Designed for difficult operating conditions

Vari-Pak filters are designed for reliability and long service life under difficult operating conditions including high velocity and turbulence. The rigid media pack is not affected by changes in air flow or repeated fan shutdown.

In applications where the use of fiberglass is restricted, Model S is an excellent choice. The wide range of efficiencies and rigid cell construction make this an ideal product for upgrading existing systems. The microfine synthetic media offers lower resistance and is unaffected by high humidity or moisture.

Typical applications include:
- Hospitals
- Food Processing
- Pharmaceutical Production
- Schools
- Government Buildings
- Office Complexes
- Public Arenas
- General Industrial
Vari-Pak Model S filters made with dual layer synthetic media offer superior performance in high humidity conditions. Ultrafine microglass media provides rated efficiency with high dust holding capacity.

Scrim Backing - The media is protected on the air leaving side by a high strength, spun bond synthetic scrim backing.

Vari-Pak filters are color coded:

- 90 - 95% Yellow
- 80 - 85% Pink
- 60 - 65% Orange
- 50 - 55% Green (Synthetic)
- Beige (Microglass)

The high loft media is pleated to create a large surface area (58 ft. in a 24” x 24” x 12” size) in a highly rigid, stable configuration.

An expanded metal support grid is laminated to the air leaving side to form the pleats. The support grid also prevents the media from fluttering in operation which could cause collected dirt to shake loose and blow downstream. The shape of the pleats has been designed to achieve uniform dirt loading over the entire media surface area even at the back of the pleats. Full utilization of the media increases dust holding capacity and extends service life.

Pleat stabilizers inserted from both sides of the filter reinforce the media pack and retain pleat shape. The fingers hold the pleats apart under all types of operating conditions enabling air to flow smoothly through the filter at low resistance.

Vari-Pak Model PH with a Header

The Vari-Pak Model PH has a 13⁄16” header on the air entering side. This model is used for side access housings with a 1” track for the final filter. It is also a direct replacement for pocket filters or other rigid cell filters with a header.
## VARI-PAK®

Extended Surface Rigid Cell Filters Dual Layer, Microfine Synthetic Media, High Loft Microglass Media

### CLARCOR Air Filtration Products

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### Model Number | Nominal Size (Inches) | Media Area (Sq. Ft.) | Air Flow Capacity (CFM) | Rated Initial Resistance (in W.G.)
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<tbody>
<tr>
<td></td>
<td>(H x W x D)</td>
<td></td>
<td>12&quot; @ 500 FPM</td>
<td>Synthetic Box Style</td>
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<tr>
<td>R-904</td>
<td>24 x 24 x 12</td>
<td>58</td>
<td>2000</td>
<td>.51</td>
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<td>R-903</td>
<td>24 x 12 x 12</td>
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<td>1000</td>
<td>.51</td>
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<td>24 x 20 x 6</td>
<td>20</td>
<td>700</td>
<td>.51</td>
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### 90 - 95% Efficiency - MERV 14

### 80 - 85% Efficiency - MERV 13

### 60 - 65% Efficiency - MERV 11

### 50 - 55% Efficiency - MERV 10

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Use “R” prefix for microglass models. Use “RS” prefix for synthetic models.

1. Actual size of face dimensions is 5⁄8” less than nominal. Depth is 1⁄2” less than nominal on 12” sizes (111⁄2”) and 1⁄8” less than nominal on 6” sizes (57⁄8”).
2. Performance data is based on the ASHRAE 52.2-2007 Test Method. At a test velocity of 492 FPM for a 24x24x2 nominal size filter.
3. Vari-Pak filters can be installed with the pleats either vertical or horizontal.
4. For PH models with a header, add suffix “PH” to model number - RS-904-PH (synthetic); R-904-PH (microglass).
5. Recommended final resistance is 1-1/2" W.G."
6. 90-95% and 80-85% Vari-Paks with synthetic media (Model S) are available with antimicrobial treated media.

Underwriters Laboratories, Inc. Classification

Vari-Pak filters are classified U.L. Class 2.

Microglass filters are available with U. L. Class 1 classification.

Operating Temperature Limit (Continuous) 180°F (82°C).

A-VPAK-309