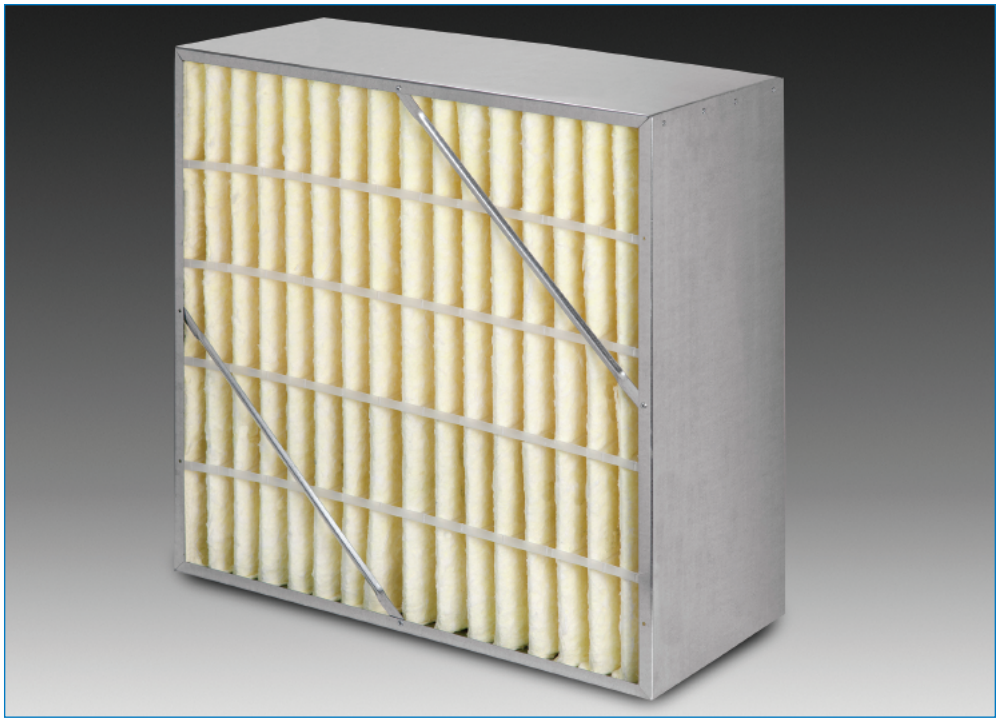
FILTRATION GROUP®

FIBERGLASS RIGID CELL

AEROSTAR®

- *High lofted ultra fine fiberglass media*
- *Rigid format prevents unloading in variable air volume systems*
- *Used in both side access & built-up filter banks*
- *Replaces traditional pocket-style filters*
- *Galvanized steel frame provides rigid construction*
- *Available in box-style or single header*
- *Underwriters Laboratories classified to UL 900*



DESCRIPTION

The Fiberglass Rigid Cell is an extended surface, medium to high efficiency filter. Its lofted ultra fine fiberglass media provides excellent dust holding capacity and coupled with its rigid construction virtually eliminates dust particle unloading downstream of the filter.

A galvanized steel frame, diagonal support bracing, moisture resistant media contour stabilizers and metal media support grid enhance the durability of this filter. This durability eliminates media oscillation and media pull-away. The media of this filter is adhesively bonded to all four sides of the frame to eliminate air by-pass. The Fiberglass Rigid Cell is available in a MERV 11, MERV 13 and MERV 15 per ASHRAE standard 52.2-2007.

BENEFITS

This filter is the ideal solution to IAQ problems that demand a high efficiency, long lasting rigid filter without costly modification to existing equipment. The secure, superior performance of this filter helps reduce costly maintenance.

The Rigid Cell can withstand many unfavorable conditions, especially variable air volume (VAV) without negatively effecting the performance of the filter.

APPLICATIONS

The Rigid Cell can be used in place of many high efficiency style filters. This filter may be used in spaces requiring 6" or 12" filters and is suitable for use in most commercial and industrial HVAC systems. This filter can upgrade your current system by providing exceptional filter integrity and consistent performance.

The Rigid Cell can be used as a pre-filter for higher efficiency products or a final filter in HVAC systems that require a high level of efficiency and cleanliness. It is designed for ease of installation in either side access systems or built-up banks. It is available in traditional box style or single header versions.

FIBERGLASS RIGID CELL

DIMENSIONS AND PERFORMANCE DATA

MERV 15

BOX* STYLE PART NO.	SINGLE* HEADER PART NO.	NOMINAL FILTER SIZE (H x W x D)	INITIAL RESISTANCE LOW	MEDIUM	HIGH
14946	16396	24 x 12 x 6	0.26	0.40	0.56
14947	16397	20 x 20 x 6	0.26	0.40	0.56
14948	16398	24 x 20 x 6	0.26	0.40	0.56
14949	16399	24 x 24 x 6	0.26	0.40	0.56
14950	16400	24 x 12 x 12	0.26	0.40	0.68
14951	16401	20 x 20 x 12	0.26	0.40	0.68
14952	16402	24 x 20 x 12	0.26	0.40	0.68
14953	16403	24 x 24 x 12	0.26	0.40	0.68

MERV 13

BOX* STYLE PART NO.	SINGLE* HEADER PART NO.	NOMINAL FILTER SIZE (H x W x D)	INITIAL RESISTANCE LOW	MEDIUM	HIGH
14954	16404	24 x 12 x 6	0.19	0.28	0.41
14955	16405	20 x 20 x 6	0.19	0.28	0.41
14956	16406	24 x 20 x 6	0.19	0.28	0.41
14957	16407	24 x 24 x 6	0.19	0.28	0.41
14958	16408	24 x 12 x 12	0.19	0.28	0.50
14959	16409	20 x 20 x 12	0.19	0.28	0.50
14960	16410	24 x 20 x 12	0.19	0.28	0.50
14961	16411	24 x 24 x 12	0.19	0.28	0.50

MERV 11

BOX* STYLE PART NO.	SINGLE* HEADER PART NO.	NOMINAL FILTER SIZE (H x W x D)	INITIAL RESISTANCE† LOW	MEDIUM	HIGH
14962	16412	24 x 12 x 6	0.13	0.26	0.41
14963	16413	20 x 20 x 6	0.13	0.26	0.41
14964	16414	24 x 20 x 6	0.13	0.26	0.41
14965	16415	24 x 24 x 6	0.13	0.26	0.41
14966	16416	24 x 12 x 12	0.14	0.27	0.42
14967	16417	20 x 20 x 12	0.14	0.27	0.42
14968	16418	24 x 20 x 12	0.14	0.27	0.42
14969	16419	24 x 24 x 12	0.14	0.27	0.42

** Consult factory for additional sizes and performance data.*
† Initial Resistance is based on Box style filters. Please add 0.03 to resistance to approximate the Single Header style filter.

ENGINEERING SPECIFICATIONS

1.0 General
- 1.1 Filters shall be Aerostar® Fiberglass Rigid Cell extended surface pleated air filters as manufactured by Filtration Group.
- 1.2 Filters shall be available in 3 efficiency levels with a depth of 5.75" and 11.375".
- 1.3 Underwriters Laboratories classified to UL 900.
- 1.4 Filters are manufactured by an ISO 9001 registered company.

2.0 Filter Materials of Construction
- 2.1 Media shall be fiberglass that does not support microbial growth.
- 2.2 Media shall be adhered to a metal grid to reduce fluttering during use.
- 2.3 Media shall be adhered to plastic separators designed to maintain filter configuration during life.
- 2.4 Media shall be bonded to frame on all sides eliminating by-pass.
- 2.5 Frame shall be made fully of 26 ga. galvanized steel.

3.0 Filter Performance
- 3.1 Filters shall be available in MERV 11, 13 and 15 when tested in accordance with ASHRAE 52.2-2007 Test Standard.
- 3.2 MERV 13 version meets LEED requirements.
- 3.3 Filters shall be rated to withstand a continuous operating temperature of up to 180°F.
- 3.3 Filters shall have a recommended final resistance of 1.5" w.g.

SPECIFICATIONS

Filter Media:	Lofted Fiberglass
Frame:	26 ga Galvanized Steel
Recommended Final Resistance:	1.5" w.g.
Maximum Temperature:	180° F

Distributed by:

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WHEN CLEAN AIR MATTERS
ISO 9001 Registered Company