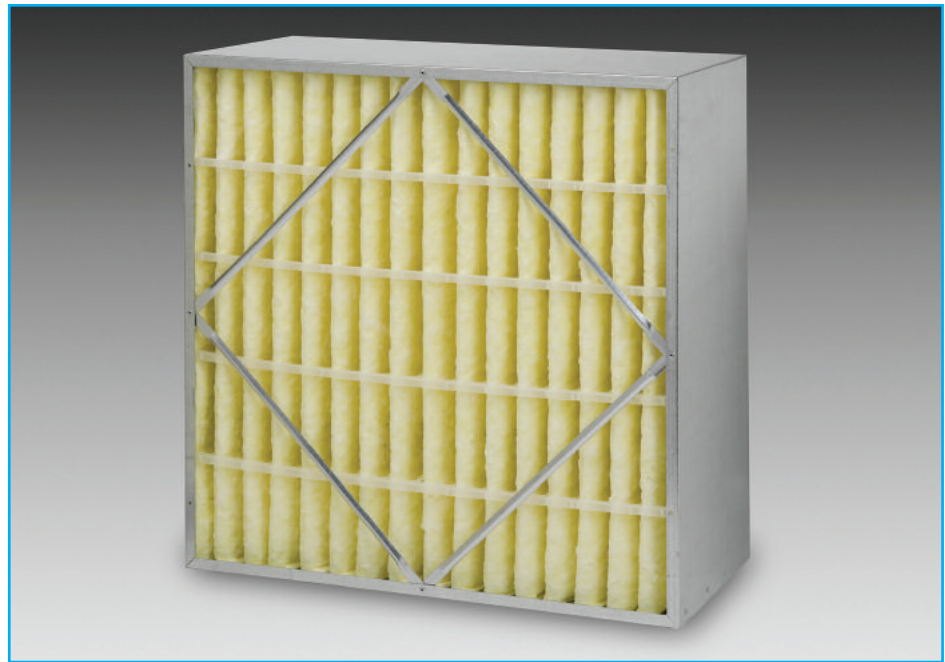


# FILTRATION GROUP

## FIBERGLASS RIGID CELL



- 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
- UL900 Class 2 (optional Class 1)



### DESCRIPTION

**T**he 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 9, MERV 11, MERV 13 and MERV 14 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 affecting 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.



# FILTRATION GROUP

## FIBERGLASS RIGID CELL

### DIMENSIONS AND PERFORMANCE DATA

90-95% EFFICIENCY (MERV 14*)										
BOX STYLE PART NO.**	SINGLE HEADER PART NO.**	NOMINAL FILTER SIZE	ACTUAL FILTER SIZE	RATED AIRFLOW CAPACITY (cfm)			INITIAL RESISTANCE ("w.g.)			MEDIA AREA (sq. ft.)
				LOW	MEDIUM	HIGH	LOW	MEDIUM	HIGH	
14946	16396	24 x 12 x 6	23 3/8 x 11 3/8 x 5 1/2	300	450	600	.26	.40	.56	14
14947	16397	20 x 20 x 6	19 3/8 x 19 3/8 x 5 1/2	450	650	850	.26	.40	.56	19
14948	16398	24 x 20 x 6	23 3/8 x 19 3/8 x 5 1/2	500	750	1000	.26	.40	.56	24
14949	16399	24 x 24 x 6	23 3/8 x 23 3/8 x 5 1/2	600	900	1200	.26	.40	.56	29
14950	16400	24 x 12 x 12	23 3/8 x 11 3/8 x 11 1/2	500	750	1000	.26	.40	.68	28
14951	16401	20 x 20 x 12	19 3/8 x 19 3/8 x 11 1/2	700	1050	1400	.26	.40	.68	39
14952	16402	24 x 20 x 12	23 3/8 x 19 3/8 x 11 1/2	850	1250	1650	.26	.40	.68	47
14953	16403	24 x 24 x 12	23 3/8 x 23 3/8 x 11 1/2	1000	1500	2000	.26	.40	.68	58
80-85% EFFICIENCY (MERV 13*)										
BOX STYLE PART NO.**	SINGLE HEADER PART NO.**	NOMINAL FILTER SIZE	ACTUAL FILTER SIZE	RATED AIRFLOW CAPACITY (cfm)			INITIAL RESISTANCE ("w.g.)			MEDIA AREA (sq. ft.)
				LOW	MEDIUM	HIGH	LOW	MEDIUM	HIGH	
14954	16404	24 x 12 x 6	23 3/8 x 11 3/8 x 5 1/2	300	450	600	.19	.28	.41	14
14955	16405	20 x 20 x 6	19 3/8 x 19 3/8 x 5 1/2	450	650	850	.19	.28	.41	19
14956	16406	24 x 20 x 6	23 3/8 x 19 3/8 x 5 1/2	500	750	1000	.19	.28	.41	24
14957	16407	24 x 24 x 6	23 3/8 x 23 3/8 x 5 1/2	600	900	1200	.19	.28	.41	29
14958	16408	24 x 12 x 12	23 3/8 x 11 3/8 x 11 1/2	500	750	1000	.19	.28	.50	28
14959	16409	20 x 20 x 12	19 3/8 x 19 3/8 x 11 1/2	700	1050	1400	.19	.28	.50	39
14960	16410	24 x 20 x 12	23 3/8 x 19 3/8 x 11 1/2	850	1250	1650	.19	.28	.50	47
14961	16411	24 x 24 x 12	23 3/8 x 23 3/8 x 11 1/2	1000	1500	2000	.19	.28	.50	58
60-65% EFFICIENCY (MERV 11*)										
BOX STYLE PART NO.**	SINGLE HEADER PART NO.**	NOMINAL FILTER SIZE	ACTUAL FILTER SIZE	RATED AIRFLOW CAPACITY (cfm)			INITIAL RESISTANCE ("w.g.)			MEDIA AREA (sq. ft.)
				LOW	MEDIUM	HIGH	LOW	MEDIUM	HIGH	
14962	16412	24 x 12 x 6	23 3/8 x 11 3/8 x 5 1/2	400	600	750	.13	.26	.41	14
14963	16413	20 x 20 x 6	19 3/8 x 19 3/8 x 5 1/2	550	800	1050	.13	.26	.41	19
14964	16414	24 x 20 x 6	23 3/8 x 19 3/8 x 5 1/2	650	950	1250	.13	.26	.41	24
14965	16415	24 x 24 x 6	23 3/8 x 23 3/8 x 5 1/2	750	1150	1500	.13	.26	.41	29
14966	16416	24 x 12 x 12	23 3/8 x 11 3/8 x 11 1/2	500	750	1000	.14	.27	.42	28
14967	16417	20 x 20 x 12	19 3/8 x 19 3/8 x 11 1/2	700	1050	1400	.14	.27	.42	39
14968	16418	24 x 20 x 12	23 3/8 x 19 3/8 x 11 1/2	850	1250	1650	.14	.27	.42	47
14969	16419	24 x 24 x 12	23 3/8 x 23 3/8 x 11 1/2	1000	1500	2000	.14	.27	.42	58
40-45% EFFICIENCY (MERV 9*)										
BOX STYLE PART NO.**	SINGLE HEADER PART NO.**	NOMINAL FILTER SIZE	ACTUAL FILTER SIZE	RATED AIRFLOW CAPACITY (cfm)			INITIAL RESISTANCE ("w.g.)			MEDIA AREA (sq. ft.)
				LOW	MEDIUM	HIGH	LOW	MEDIUM	HIGH	
14970	16420	24 x 12 x 6	23 3/8 x 11 3/8 x 5 1/2	500	750	1000	.21	.26	.30	14
14971	16421	20 x 20 x 6	19 3/8 x 19 3/8 x 5 1/2	700	1050	1400	.21	.26	.30	19
14972	16422	24 x 20 x 6	23 3/8 x 19 3/8 x 5 1/2	825	1200	1650	.21	.26	.30	24
14973	16423	24 x 24 x 6	23 3/8 x 23 3/8 x 5 1/2	1000	1500	2000	.21	.26	.30	29
14974	16424	24 x 12 x 12	23 3/8 x 11 3/8 x 11 1/2	500	750	1000	.21	.26	.29	28
14975	16425	20 x 20 x 12	19 3/8 x 19 3/8 x 11 1/2	700	1050	1400	.21	.26	.29	39
14976	16426	24 x 20 x 12	23 3/8 x 19 3/8 x 11 1/2	850	1250	1650	.21	.26	.29	47
14977	16427	24 x 24 x 12	23 3/8 x 23 3/8 x 11 1/2	1000	1500	2000	.21	.26	.29	58

\* Reference ASHRAE 52.2-2007

\*\* 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.

### SPECIFICATIONS

Filter Media: Lofted fiberglass  
 Frame: 26 ga galvanized steel  
 Flammability: UL900 Class 2  
 (optional Class 1)  
 Recommended Final Resistance: 1.5" w.g.  
 Maximum Temperature: 180° F

### DISTRIBUTED BY

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