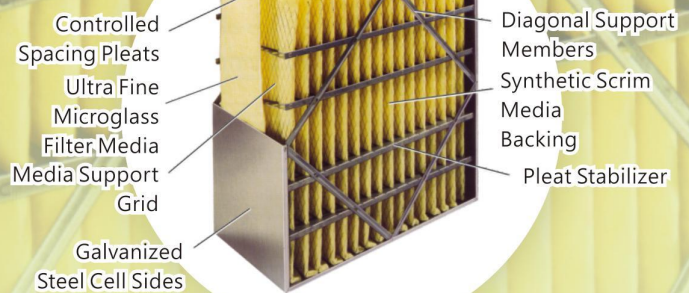


Hencolin INT'L CORP

SYNTHETIC RIGID CELL FILTER >>>

- High loft ultra fine synthetic media eliminates fiber shedding.
- Superior media integrity in high humidity applications.
- Rigid format prevents unloading in variable air volume systems.
- Replaces traditional pocket-style filters.
- Galvanized steel frame provides rigid construction.
- Available in box-style or single header.
- Recommended final pressure drop : ≤ 1.5 in w.g.



■ Benefits

The Rigid Cell 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 filter can withstand many unfavorable conditions, especially variable air volume.

■ Applications

The Rigid Cell Filter can be used in place of many high efficiency filters. This filter may be used in spaces requiring 6" or 11" filters and is suited for use in most commercial and industrial HVAC systems. The Rigid Cell Filter can upgrade your current systems by providing exceptional filter integrity and consistent performance. The Rigid Cell Filter 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. The rigid cell filter 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.

■ Description

The Rigid Cell Filter is a rigid, extended surface, medium to high efficiency filter. Superior performance in high humidity applications combined with the elimination of media fiber shedding make this filter a smart choice over traditional fiberglass high efficiency products. Its high loft ultra fine synthetic 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 the filter. This durability eliminates media oscillation and media pull-away. The media of the filter is adhesively bonded to all four sides of the frame to eliminate air bypass. The Rigid Cell Filter is available in ASHRAE 40-45%, 60-65%, 80-85% and 90-95% efficiencies.

DIMENSIONS AND PERFORMANCE DATA:

► 90-95% EFFICIENCY									
BOX STYLE PART NO.*	SINGLE HEADER PART NO.*	NOMINAL FILTER SIZE	ACTUAL FILTER SIZE	RATED AIRFLOW CAPACITY(CFM)			INITIAL RESISTANCE(*w.g.)		
				LOW	MEDIUM	HIGH	LOW	MEDIUM	HIGH
10035	10135	24×12×6	23 $\frac{3}{8}$ ×11 $\frac{3}{8}$ ×5 $\frac{1}{2}$	300	450	600	.23	.37	.52
10036	10136	20×20×6	19 $\frac{3}{8}$ ×19 $\frac{3}{8}$ ×5 $\frac{1}{2}$	450	650	850	.23	.37	.52
10037	10137	24×20×6	23 $\frac{3}{8}$ ×19 $\frac{3}{8}$ ×5 $\frac{1}{2}$	500	750	1000	.23	.37	.52
10038	10138	24×24×6	23 $\frac{3}{8}$ ×23 $\frac{3}{8}$ ×5 $\frac{1}{2}$	600	900	1200	.23	.37	.52
10031	10131	24×12×12	23 $\frac{3}{8}$ ×11 $\frac{3}{8}$ ×11 $\frac{1}{2}$	500	750	1000	.23	.37	.63
10032	10132	20×20×12	19 $\frac{3}{8}$ ×19 $\frac{3}{8}$ ×11 $\frac{1}{2}$	700	1050	1400	.23	.37	.63
10033	10133	24×20×12	23 $\frac{3}{8}$ ×19 $\frac{3}{8}$ ×11 $\frac{1}{2}$	850	1250	1650	.23	.37	.63
10034	10134	24×24×12	23 $\frac{3}{8}$ ×23 $\frac{3}{8}$ ×11 $\frac{1}{2}$	1000	1500	2000	.23	.37	.63
► 80-85% EFFICIENCY									
BOX STYLE PART NO.*	SINGLE HEADER PART NO.*	NOMINAL FILTER SIZE	ACTUAL FILTER SIZE	RATED AIRFLOW CAPACITY(CFM)			INITIAL RESISTANCE(*w.g.)		
				LOW	MEDIUM	HIGH	LOW	MEDIUM	HIGH
10025	10125	24×12×6	23 $\frac{3}{8}$ ×11 $\frac{3}{8}$ ×5 $\frac{1}{2}$	300	450	600	.16	.25	.38
10026	10126	20×20×6	19 $\frac{3}{8}$ ×19 $\frac{3}{8}$ ×5 $\frac{1}{2}$	450	650	850	.16	.25	.38
10027	10127	24×20×6	23 $\frac{3}{8}$ ×19 $\frac{3}{8}$ ×5 $\frac{1}{2}$	500	750	1000	.16	.25	.38
10028	10128	24×24×6	23 $\frac{3}{8}$ ×23 $\frac{3}{8}$ ×5 $\frac{1}{2}$	600	900	1200	.16	.25	.38
10021	10121	24×12×12	23 $\frac{3}{8}$ ×11 $\frac{3}{8}$ ×11 $\frac{1}{2}$	500	750	1000	.16	.25	.47
10022	10122	20×20×12	19 $\frac{3}{8}$ ×19 $\frac{3}{8}$ ×11 $\frac{1}{2}$	700	1050	1400	.16	.25	.47
10023	10123	24×20×12	23 $\frac{3}{8}$ ×19 $\frac{3}{8}$ ×11 $\frac{1}{2}$	850	1250	1650	.16	.25	.47
10024	10124	24×24×12	23 $\frac{3}{8}$ ×23 $\frac{3}{8}$ ×11 $\frac{1}{2}$	1000	1500	2000	.16	.25	.47
► 60-65% EFFICIENCY									
BOX STYLE PART NO.*	SINGLE HEADER PART NO.*	NOMINAL FILTER SIZE	ACTUAL FILTER SIZE	RATED AIRFLOW CAPACITY(CFM)			INITIAL RESISTANCE(*w.g.)		
				LOW	MEDIUM	HIGH	LOW	MEDIUM	HIGH
10015	10115	24×12×6	23 $\frac{3}{8}$ ×11 $\frac{3}{8}$ ×5 $\frac{1}{2}$	400	600	750	.13	.26	.30
10016	10116	20×20×6	19 $\frac{3}{8}$ ×19 $\frac{3}{8}$ ×5 $\frac{1}{2}$	550	800	1050	.13	.26	.30
10017	10117	24×20×6	23 $\frac{3}{8}$ ×19 $\frac{3}{8}$ ×5 $\frac{1}{2}$	650	950	1250	.13	.26	.30
10018	10118	24×24×6	23 $\frac{3}{8}$ ×23 $\frac{3}{8}$ ×5 $\frac{1}{2}$	750	1150	1500	.13	.26	.30
10011	10111	24×12×12	23 $\frac{3}{8}$ ×11 $\frac{3}{8}$ ×11 $\frac{1}{2}$	500	750	100	.14	.27	.27
10012	10112	20×20×12	19 $\frac{3}{8}$ ×19 $\frac{3}{8}$ ×11 $\frac{1}{2}$	700	1050	1400	.14	.27	.27
10013	10113	24×20×12	23 $\frac{3}{8}$ ×19 $\frac{3}{8}$ ×11 $\frac{1}{2}$	850	1250	1650	.14	.27	.27
10014	10114	24×24×12	23 $\frac{3}{8}$ ×23 $\frac{3}{8}$ ×11 $\frac{1}{2}$	1000	1500	2000	.14	.27	.27
► 40-45% EFFICIENCY									
BOX STYLE PART NO.*	SINGLE HEADER PART NO.*	NOMINAL FILTER SIZE	ACTUAL FILTER SIZE	RATED AIRFLOW CAPACITY(CFM)			INITIAL RESISTANCE(*w.g.)		
				LOW	MEDIUM	HIGH	LOW	MEDIUM	HIGH
10005	10105	24×12×6	23 $\frac{3}{8}$ ×11 $\frac{3}{8}$ ×5 $\frac{1}{2}$	500	750	600	.21	.26	.27
10006	10106	20×20×6	19 $\frac{3}{8}$ ×19 $\frac{3}{8}$ ×5 $\frac{1}{2}$	700	1050	850	.21	.26	.27
10007	10107	24×20×6	23 $\frac{3}{8}$ ×19 $\frac{3}{8}$ ×5 $\frac{1}{2}$	825	1200	1000	.21	.26	.27
10008	10108	24×24×6	23 $\frac{3}{8}$ ×23 $\frac{3}{8}$ ×5 $\frac{1}{2}$	1000	1500	1200	.21	.26	.27
10001	10101	24×12×12	23 $\frac{3}{8}$ ×11 $\frac{3}{8}$ ×11 $\frac{1}{2}$	500	750	1000	.21	.26	.23
10002	10102	20×20×12	19 $\frac{3}{8}$ ×19 $\frac{3}{8}$ ×11 $\frac{1}{2}$	700	1050	1400	.21	.26	.23
10003	10103	24×20×12	23 $\frac{3}{8}$ ×19 $\frac{3}{8}$ ×11 $\frac{1}{2}$	850	1250	1550	.21	.26	.23
10004	10104	24×24×12	23 $\frac{3}{8}$ ×23 $\frac{3}{8}$ ×11 $\frac{1}{2}$	1000	1500	2000	.21	.26	.23

Consult factory for additional sizes and performance data.

► SPECIFICATIONS:

Filter Media: Lofted Synthetic
 Frame: 26 ga Galvanized Steel

Recommended final resistance: 1.5" w.g.
 Maximum temperature: 80°C