



FILTERS FOR AIR, GAS & LIQUIDS • CLEAN ROOM & FILTER TESTING

February 2, 2010

Commonwealth of Pennsylvania
Department of General Services
Bureau of Procurement
COSTARS Program

Dear COSTARS member:

Filtech Inc would like to thank you for giving us the opportunity to participate in this filter bid. We are extremely confident that we can meet all of your hvac filtration requirements. Our company based in Pennsylvania has been supplying filters locally for over forty years and we are eager to be a part of the COSTARS program.

We are offering product manufactured in Pittston, PA by Purolator Products Air Filtration Company. COSTARS customers will receive at least a 43% discount off of Purolator list price.

Shipments would be from our stocking location in West Homestead, Pa. or the Pittston, Pa. manufacturing plant which will minimize the costs associated with freight.

From our location in West Homestead, Pa., we are able to provide on site technical assistance to customers that may require it. We can meet your needs for special packaging, less than full case quantities, and tagging of cartons. We currently offer these services to many of our current customers and are quite comfortable handling any of your requirements.

Should you have any questions, or need any additional information, please contact us. We are looking forward to the opportunity of working with COSTARS members as the supplier for all of your air filter needs.

Sincerely,

A handwritten signature in blue ink that reads "Matthew M. Rudzik".

Matt Rudzik
Inside Technical Representative
mrudzik@filtechinc.com
Phone: 412-461-1400 ext. 227
Fax: 412-461-2846

221 W 8th Avenue • West Homestead, PA 15120 • (412) 461-1400 • FAX (412) 461-2846

BID ITEM WORKBOOK**COSTARS-8 Maintenance, Repair, & Operation Equipment & Supplies ("MRO")****BIDDER/CONTRACTOR DATA**

BIDDER/CONTRACTOR'S LEGAL NAME:	Filtech Inc.
D/B/A NAME, IF APPLICABLE:	N/A
BIDDER ADDRESS:	221 W. 8th Ave. West Homestead, PA 15120
COUNTY LOCATED IN:	USA
VENDOR NUMBER:	144644
Primary POC regarding IFB/Contract:	Matt Rudzik
Secondary POC regarding IFB/Contract:	Harry Elinsky Jr.
PHONE NUMBER:	412-461-1400
FAX NUMBER:	412-461-2846
EMAIL ADDRESS:	mrudzik@filtechinc.com
COMPANY'S GENERAL WEBSITE ADDRESS	www.filtechinc.com

SEND PURCHASE ORDER(S) TO NAME:	Filtech Inc.
D/B/A NAME, IF APPLICABLE:	N/A
ADDRESS:	221 W. 8th Ave. West Homestead, PA. 15120
COUNTY LOCATED IN:	Allegheny
HOURS OF OPERATION:	8:00 A.M. - 5:00 P.M.
POC regarding PURCHASE ORDER(S):	Matt Rudzik
PHONE NUMBER:	412-461-1400 ext. 227
FAX NUMBER:	412-461-2846
EMAIL ADDRESS:	filters@filtechinc.com

SEND PAYMENT(S) TO NAME:	Filtech Inc.
D/B/A NAME, IF APPLICABLE:	N/A
ADDRESS:	221 W. 8th Ave. West Homestead, PA. 15120
POC regarding PAYMENT(S):	Tammy List
PHONE NUMBER:	412-461-1400
FAX NUMBER:	412-461-2846
EMAIL ADDRESS:	tlist@filtechinc.com



Model F312

*Industrial Strength, 1" & 2" Disposable Panel Filters
Fiberglass Media*

The F312 disposable panel filters are designed to withstand the demands of tough industrial and commercial applications. Purolator assures filter durability by utilizing construction features not found in traditional designs.

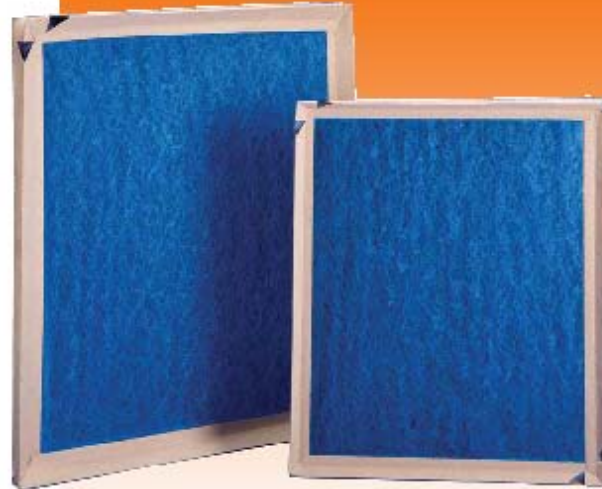
Frame – Purolator F312 frames are produced using post consumer recycled materials. The unique Monobond pinch frame concept involves a one piece frame sealed to the media under heat and pressure. This construction feature produces a continuous bond of media to board around the periphery of the frame, eliminating weak corners and air bypass. The use of a high tensile strength polyethylene binder increases the integrity of the seal, allowing the filter to withstand varying temperatures and humidity levels.

When compared to traditional designs, the filter's notched frame corners allow units to interlock, providing up to 33% savings on warehouse space and freight costs.

Media – Purolator F312 filters are manufactured with superior grade fiberglass media to guarantee full depth loading and high dust holding capacity. A computer controlled manufacturing process assures a uniform gradient density pattern in the media.

To enhance filtration capability and prevent migration of finer particles, the filter media has a skin backing and is evenly coated with a gelled adhesive.

Application – Purolator's F312 filters perform best in conditions where large quantities of lint and dust are present. Their rugged construction makes them industry leaders in the high velocity system, prefilter market.



Pinch Frame Design

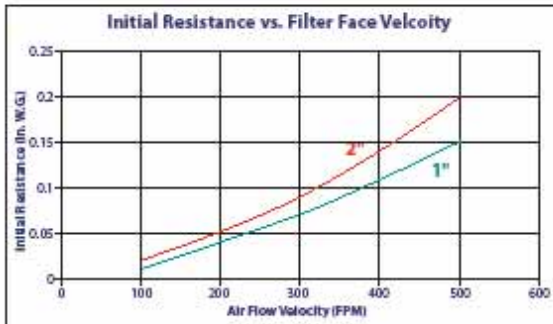
Notched Frame Design

- Performance is enhanced by a skin backing on the air leaving side of the media
- Space saving notched frame
- Reduce warehouse space and shipping costs with innovative Monobond pinch frame notched design
- Improved aerodynamics reduce restriction to air flow
- Safe, easy, fast installation
- Larger effective filtering surface area
- Wide selection of standard sizes
- Classified Class 2 by Underwriters Laboratories, Inc.

Model F312

Industrial Strength, 1" & 2" Disposable Panel Filters, Fiberglass Media

Category	F312 1"	F312 2"
Air Flow Velocity (FPM)	300	300
Initial Resistance (In. W.G.)	.07"	.09"
Recommended Final Resistance (In. W.G.)	.50"	1.0"
Average Arrestance (%)	72%	75%



*Resistance climbs more rapidly on 1" thus reducing dust holding capacity and filter life. Testing conducted in accordance with the ASHRAE 52.1-1992 Test Standard. Classified Class 2 by Underwriters Laboratories, Inc.

Standard 1" and 2" Sizes							
1 Inch				2 Inch			
8x16	12x18	14x25	16x25	20x25	10x20	18x24	
8x30	12x20	14x30	16x30	20x30	12x24	20x20	
10x10	12x24	15x20	18x18	22x22	14x20	20x24	
10x16	12x25	15x25	18x20	24x24	14x25	20x25	
10x20	12x30	15x30	18x24	24x30	15x20	24x24	
10x24	14x14	15x30%	18x25	25x25	16x16	25x25	
10x25	14x16	16x16	18x30		16x20		
10x30	14x18	16x18	20x20		16x24		
12x12	14x20	16x20	20x22½		16x25		
12x16	14x24	16x24	20x24				

P-F312-207



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PriceList No.: 101-01
 Effective Date: April 7, 2008

F312
Basic Efficiency Filters
Disposable Panel Filters

1" Fiberglass

Item No.	Model No.	Nominal Size (Inches) (WxHxD)	List Price	Package Quantity	Weight Per Carton (Lbs.)	Costars Price
5038901018	F312-STD1	8x16x1	1.80	12	2.3	\$1.03
5038901019	F312-STD1	8x30x1	1.89	12	3.5	\$1.08
5038901307	F312-STD1	10x10x1	1.80	12	1.8	\$1.03
5038901020	F312-STD1	10x16x1	1.89	12	2.2	\$1.08
5038901301	F312-STD1	10x20x1	1.80	12	3.0	\$1.03
5038901021	F312-STD1	10x24x1	1.89	12	3.5	\$1.08
5038901022	F312-STD1	10x25x1	1.89	12	3.6	\$1.08
5038901023	F312-STD1	10x30x1	1.89	12	4.1	\$1.08
5038901025	F312-STD1	12x12x1	1.89	12	2.4	\$1.08
5038901026	F312-STD1	12x16x1	1.89	12	2.8	\$1.08
5038901027	F312-STD1	12x18x1	2.76	12	3.0	\$1.57
5038901314	F312-STD1	12x20x1	1.80	12	3.3	\$1.03
5038901311	F312-STD1	12x24x1	1.80	12	3.9	\$1.03
5038901315	F312-STD1	12x25x1	1.80	12	4.0	\$1.03
5038901029	F312-STD1	12x30x1	2.41	12	4.6	\$1.37
5038901031	F312-STD1	14x14x1	2.44	12	2.3	\$1.39
5038678091	F312-STD1	14x16x1	3.32	12	5.1	\$1.89
5038656628	F312-STD1	14x18x1	3.49	12	5.5	\$1.99
5038901312	F312-STD1	14x20x1	1.80	12	3.8	\$1.03
5038901308	F312-STD1	14x24x1	2.41	12	4.3	\$1.37
5038901306	F312-STD1	14x25x1	1.80	12	4.4	\$1.03
5038901033	F312-STD1	14x30x1	2.76	12	4.9	\$1.57
5038901313	F312-STD1	15x20x1	1.80	12	4.0	\$1.03
5038901034	F312-STD1	15x25x1	1.89	12	4.6	\$1.08
5038901036	F312-STD1	15x30-5/8x1	2.44	12	5.3	\$1.39
5038901035	F312-STD1	15x30x1	2.76	12	5.2	\$1.57
5038901309	F312-STD1	16x16x1	1.89	12	3.7	\$1.08
5038657912	F312-STD1	16x18x1	3.49	12	5.8	\$1.99
5038901302	F312-STD1	16x20x1	\$1.68	12	4.1	\$0.96
5038901038	F312-STD1	16x24x1	2.41	12	4.8	\$1.37
5038901303	F312-STD1	16x25x1	1.68	12	4.9	\$0.96
5038901040	F312-STD1	16x30x1	2.76	12	5.6	\$1.57
5038901041	F312-STD1	18x18x1	2.41	12	4.3	\$1.37
5038901042	F312-STD1	18x20x1	2.41	12	4.6	\$1.37
5038901043	F312-STD1	18x24x1	2.41	12	5.3	\$1.37
5038901310	F312-STD1	18x25x1	2.41	12	5.4	\$1.37
5038902070	F312-STD1	18x30x1	2.76	12	5.7	\$1.57
5038901304	F312-STD1	20x20x1	1.68	12	5.1	\$0.96
5038901045	F312-STD1	20x22-1/4x1	2.44	12	5.4	\$1.39
5038901046	F312-STD1	20x24x1	2.44	12	5.7	\$1.39
5038901305	F312-STD1	20x25x1	1.85	12	5.9	\$1.05
5038902001	F312-STD1	20x30x1	3.02	12	8.7	\$1.72
5038901047	F312-STD1	22x22x1	2.44	12	5.8	\$1.39
5038901316	F312-STD1	24x24x1	2.76	12	6.1	\$1.57
5038901049	F312-STD1	24x30x1	3.02	12	10.3	\$1.72
5038901317	F312-STD1	25x25x1	2.76	12	6.8	\$1.57



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PriceList No.: 101-02
 Effective Date: April 7, 2008

F312
Basic Efficiency Filters
Disposable Panel Filters

2" Fiberglass

Item No.	Model No.	Nominal Size (Inches) (WxHxD)	List Price	Package Quantity	Weight Per Carton (Lbs.)	Costars Price
5039003244	F312-STD2	10x20x2	\$3.05	12	5.4	\$1.74
5039002006	F312-STD2	12x24x2	3.05	12	5.6	\$1.74
5039003245	F312-STD2	14x20x2	3.05	12	5.6	\$1.74
5039003246	F312-STD2	14x25x2	3.05	12	7.1	\$1.74
5039003247	F312-STD2	15x20x2	3.05	12	5.0	\$1.74
5039003248	F312-STD2	16x16x2	3.05	12	5.5	\$1.74
5039002002	F312-STD2	16x20x2	3.05	12	6.0	\$1.74
5039003249	F312-STD2	16x24x2	2.90	12	7.1	\$1.65
5039002003	F312-STD2	16x25x2	3.05	12	7.2	\$1.74
5039067667	F312-STD2	18x24x2	3.05	12	8.0	\$1.74
5039002004	F312-STD2	20x20x2	3.05	12	7.2	\$1.74
5039003250	F312-STD2	20x24x2	3.18	12	8.5	\$1.81
5039002005	F312-STD2	20x25x2	3.18	12	8.6	\$1.81
5039002007	F312-STD2	24x24x2	3.62	12	9.6	\$2.06
5039003251	F312-STD2	25x25x2	3.62	12	9.7	\$2.06



Delta P™

The DELTA P™ (DPM7) disposable panel air filter is designed to withstand the demands of tough industrial and commercial applications. This filter's durability is assured by utilizing construction features not found in traditional designs.

Frame – The DPM7 frame is produced using post consumer materials. The unique Monobond concept involves a one piece frame sealed to the media under heat and pressure. This construction feature produces a continuous bond of media to board around the periphery of the frame, eliminating weak corners and air bypass. The use of a high tensile strength binder increases the integrity of the seal, allowing the filter to withstand varying temperatures and humidity levels.

When compared to traditional designs, the filter's notched frame corners allow units to interlock, providing up to 33% savings on warehouse space and freight costs.

Media – The DPM7 is manufactured with superior grade fiberglass media to guarantee full depth loading and high dust holding capacity. A computer controlled manufacturing process assures a uniform gradient density pattern in the media.

To enhance filtration capability and prevent migration of finer particles, the filter media has a skin backing and is evenly coated with a gelled adhesive on the downstream side.

The elimination of a metal backing on this filter also eliminates sharp edges, making for safe installation and easy disposal. The DPM7 is highly recommended for installations as a stand alone filter, or to replace various other types of prefilters.

Testing conducted in accordance with ASHRAE 52.2-2007 Test Standard. Classified Class 2 by Underwriters Laboratories, Inc.

Model DPM7

*Industrial Strength, 1" & 2" Disposable Panel Filters
Pinch Frame Construction*



Pinch Frame Design



Notched Frame Design

- **MERV 7**
- **1" and 2" sizes**
- **Fiberglass media**
- **Safe, easy, fast installation**
- **Uniform gradient density media with skin backing**
- **Downstream tackifier**
- **High dust holding capacity**
- **Larger effective filtering surface area**
- **Lower pressure drop**
- **Heat sealed bond prevents air bypass**
- **Increased filter integrity**
- **Pliable for "hard to service" applications**
- **Frame is composed of recycled material**
- **Interlocking tab frame corners**
- **Classified Class 2 by Underwriters Laboratories, Inc.**

Model DPM7

Industrial Strength, 1" & 2" Disposable Panel Filters, Pinch Frame Construction

Series In Inches	Nominal Size Inches (WxH)	Air Flow Capacity (CFM) @300 FPM	Series In Inches	Nominal Size Inches (WxH)	Air Flow Capacity (CFM) @300 FPM
MERV 7			MERV 7		
1	8x16	265	2	12x24	600
	8x30	500		14x20	585
	10x10	210		14x25	730
	10x16	335		15x20	625
	10x20	420		16x20	670
	10x24	500		16x24	800
	10x25	520		16x25	835
	10x30	625		18x24	900
	12x12	300		20x20	835
	12x16	400		20x24	1000
	12x18	450		20x25	1040
	12x20	500		24x24	1200
	12x24	600			
	12x25	625			
	12x27	675			
	12x30	750			
	14x14	410			
	14x20	585			
	14x24	700			
	14x25	730			
	14x30	875			
	15x20	625			
	15x25	780			
	15x30	940			
	15x30 $\frac{1}{2}$	955			
	16x16	535			
	16x20	670			
	16x24	800			
	16x25	835			
	16x30	1000			
	18x18	675			
18x20	750				
18x24	900				
18x25	940				
18x30	1125				
19x27	1070				
20x20	835				
20x22 $\frac{1}{4}$	930				
20x24	1000				
20x25	1040				
20x30	1250				
22x22	1010				
24x24	1200				
24x30	1500				
25x25	1300				

- Delta P DPM7 filters are rated MERV 7 per ASHRAE 52.2-2007 Test Standard, at a test velocity of 295 FPM for 24x24 nominal size filters.
- Rated Initial Resistance @300 FPM: 1" - .11" W.G.; 2" - .13" W.G.
- Recommended Final Resistance: 1" - .50" W.G.; 2" - 1.0" W.G.
- Delta P DPM7 filters are packaged 12 per carton.
- Delta P DPM7 filters are classified U.L. Standard 900.
- Special size filters are available.

P-DPM7-309



www.purolatorair.com



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Completed by:

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103-00
 April 6, 2008

Delta DPM7
Basic Efficiency Filters
Pinch Frame Construction

1" Fiberglass

Item No.	Model No.	Nominal Size (Inches) (WxHxD)	List Price	Package Quantity	List Price
5038962143	DPM7-STD1	8x16x1	4.19	12	\$2.39
5038962144	DPM7-STD1	8x30x1	4.47	12	\$2.55
5038962100	DPM7-STD1	10x10x1	4.19	12	\$2.39
5038962102	DPM7-STD1	10x16x1	4.47	12	\$2.55
5038962104	DPM7-STD1	10x20x1	2.79	12	\$1.59
5038962105	DPM7-STD1	10x24x1	4.47	12	\$2.55
5038962106	DPM7-STD1	10x25x1	4.47	12	\$2.55
5038962107	DPM7-STD1	10x30x1	4.47	12	\$2.55
5038962108	DPM7-STD1	12x12x1	4.47	12	\$2.55
5038962109	DPM7-STD1	12x16x1	4.47	12	\$2.55
5038962110	DPM7-STD1	12x18x1	6.23	12	\$3.55
5038962111	DPM7-STD1	12x20x1	2.79	12	\$1.59
5038957319	DPM7-STD1	12x24x1	2.79	12	\$1.59
5038962112	DPM7-STD1	12x25x1	4.19	12	\$2.39
5038962116	DPM7-STD1	12x30x1	5.52	12	\$3.14
5038962118	DPM7-STD1	14x14x1	5.79	12	\$3.30
5038957320	DPM7-STD1	14x20x1	2.79	12	\$1.59
5038962119	DPM7-STD1	14x24x1	3.86	12	\$2.20
5038957326	DPM7-STD1	14x25x1	2.79	12	\$1.59
5038962120	DPM7-STD1	14x30x1	6.23	12	\$3.55
5038962121	DPM7-STD1	15x20x1	2.79	12	\$1.59
5038962124	DPM7-STD1	15x25x1	4.47	12	\$2.55
5038962126	DPM7-STD1	15x30-5/8x1	5.79	12	\$3.30
5038962125	DPM7-STD1	15x30x1	6.23	12	\$3.55
5038962127	DPM7-STD1	16x16x1	2.98	12	\$1.70
5038957328	DPM7-STD1	16x20x1	2.74	12	\$1.56
5038962128	DPM7-STD1	16x24x1	5.52	12	\$3.14
5038957333	DPM7-STD1	16x25x1	2.74	12	\$1.56
5038962129	DPM7-STD1	16x30x1	6.23	12	\$3.55
5038962130	DPM7-STD1	18x18x1	5.52	12	\$3.14
5038962131	DPM7-STD1	18x20x1	5.52	12	\$3.14
5038962132	DPM7-STD1	18x24x1	5.52	12	\$3.14
5038962133	DPM7-STD1	18x25x1	5.52	12	\$3.14
5038962134	DPM7-STD1	18x30x1	6.23	12	\$3.55
5038962135	DPM7-STD1	19x27x1	5.79	12	\$3.30
5038957335	DPM7-STD1	20x20x1	2.74	12	\$1.56
5038962136	DPM7-STD1	20x22-1/4x1	5.79	12	\$3.30
5038962137	DPM7-STD1	20x24x1	5.79	12	\$3.30
5038957337	DPM7-STD1	20x25x1	3.25	12	\$1.85
5038957339	DPM7-STD1	20x30x1	4.28	12	\$2.44
5038962138	DPM7-STD1	22x22x1	5.79	12	\$3.30
5038962139	DPM7-STD1	24x24x1	4.36	12	\$2.48
5038962141	DPM7-STD1	24x30x1	6.84	12	\$3.90
5038962142	DPM7-STD1	25x25x1	6.23	12	\$3.55



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Price List No. 103-03
 Effective Date: April 8, 2008

DELTA P DPM7
Basic Efficiency Filters
Pinch Frame Construction

2" Fiberglass

Item No.	Model No.	Nominal Size (Inches) (WxHxD)	Package Quantity	List Price	Costars Price
5039062151	DPM7-STD2	12x24x2	12	3.75	2.14
5039062153	DPM7-STD2	14x20x2	12	3.75	2.14
5039062154	DPM7-STD2	14x25x2	12	3.75	2.14
5039062155	DPM7-STD2	15x20x2	12	3.75	2.14
5039057330	DPM7-STD2	16x20x2	12	3.75	2.14
5039057334	DPM7-STD2	16x25x2	12	3.75	2.14
5039062156	DPM7-STD2	18x24x2	12	3.75	2.14
5039057336	DPM7-STD2	20x20x2	12	3.75	2.14
5039062157	DPM7-STD2	20x24x2	12	4.26	2.43
5039057338	DPM7-STD2	20x25x2	12	4.26	2.43
5039057332	DPM7-STD2	16x24x2	12	4.61	2.63
5039057341	DPM7-STD2	24x24x2	12	4.61	2.63



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Price List No.
 Effective Date:

103-03
 April 7, 2008

DELTA P DPM7
Basic Efficiency Filters
Pinch Frame Construction

Single Filter - Special Sizes

Gross area (sq. in.)	List Price 1/2"	List Price 1"	List Price 2"	Costars Price 1/2"	Costars Price 1"	Costars Price 2"
Less than 100	5.66	\$5.66	6.81	\$3.23	\$3.23	\$3.88
100-149	5.66	5.66	6.81	\$3.23	\$3.23	\$3.88
150-199	5.66	5.66	6.81	\$3.23	\$3.23	\$3.88
200-249	5.66	5.66	6.81	\$3.23	\$3.23	\$3.88
250-299	5.96	5.96	7.12	\$3.40	\$3.40	\$4.06
300-399	6.41	6.41	7.68	\$3.65	\$3.65	\$4.38
400-499	6.77	6.77	8.19	\$3.86	\$3.86	\$4.67
500-599	7.43	7.43	9.03	\$4.23	\$4.23	\$5.15
600-699	7.75	7.75	9.45	\$4.42	\$4.42	\$5.38
700-799	8.36	8.36	10.53	\$4.77	\$4.77	\$6.00
800-899	9.19	9.19	11.18	\$5.24	\$5.24	\$6.37
900-999	9.73	9.73	11.84	\$5.55	\$5.55	\$6.75
1000-1099	10.17	10.17	12.31	\$5.80	\$5.80	\$7.02
1100-1199	15.95	15.95	19.30	\$9.09	\$9.09	\$11.00
1200-1299	16.11	16.11	19.49	\$9.18	\$9.18	\$11.11
1300-1399	16.26	16.26	19.68	\$9.27	\$9.27	\$11.22
1400-1499	17.07	17.07	20.66	\$9.73	\$9.73	\$11.77

Minimum order: 12 per size



Purolator.

Hi-E™ 40

Extended Surface Pleated Filters

MERV 8



**The Best
Just Got Better-
Hi-E 40 Pleats Now
Mechanical MERV 8**

*The Industry's Largest Selling
Brand of Pleated Filters*

- **Mechanical MERV 8**
- Low initial resistance for energy savings
- Quality Engineered
- Consistently Produced
- Widest Selection
- Industry's Largest inventory
- Competitively Priced

Hi-E™ 40

Extended Surface Pleated Filters

Exceeds ASHRAE Standard 62
air cleaning specifications for
filters installed upstream of
cooling coils.

Mechanical
MERV 8

• **Hi-E 40** - The industry standard for performance and value for over 30 years.

• **Gain 1 Point toward LEED Certification** - During the process of new construction, install MERV 8 filters at each return air grille for air handlers used during construction. Conduct a two-week building flushout with new air filters and 100-percent outdoor air prior to occupancy.

Nobody Sells More Pleats than Purotator. Here's Why...

Quality Engineered

Proprietary MERV 8 Media - Developed to deliver consistent performance

The heart of the product. Purotator medias are manufactured to exclusive specifications produced only for Purotator. Nobody pays more attention to media specifications than Purotator. Rigid requirements for resistance, efficiency, MERV values and dust holding capacity are verified by QC checks on incoming raw materials, production line sampling and field audits of finished goods.

Mechanical Media - Hi-E 40 filters are made with 100% synthetic fibers providing mechanical efficiency to achieve a MERV 8 performance. Hi-E 40 filters have a MERV 8 performance before and after a conditioning step. The MERV 8 media has a PVA (Polyvinyl Acetate) adhesive that is not affected by mold or microbial growth.

Heavy Duty Beverage Board Frame - Moisture resistant, sturdy frame material stands up to rough handling, difficult service conditions, long service life. The new die cut pattern increases contact points between the beverage board and die cut by 50%.

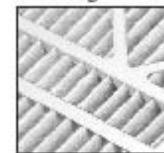


All Hi-E 40 filters are designed with a consistent pleat shape on predetermined centers causing dirt to collect evenly over the entire surface of the media. Fully utilizing every square inch results in a slow steady rise in resistance for maximum dust holding capacity.

Purotator pleats can't be beat!

Two Piece Frame Construction - Double wall thickness around the outer edge and integral die cut cross members provide strength and rigidity. Hi-E 40 filters will not rack, warp or bend under normal handling or operating conditions.

Pleat Stabilizers - The 4" deep filters are designed with individual die cut fingers that separate and stabilize each pleat. Consistent pleat alignment enhances dust holding capacity for longer service life.



Purolator Pleats Can't Be Beat!

Mechanical
MERV 8

Water Repellent Adhesive—Adheres Even When Wet

The adhesive used to bond the frame and media pack into a unitized assembly is highly water repellent. The pleats hold together even when wet. No delaminating, no excessive buckling, no collapsing.

Galvanized Steel Pleat Support - Prevents Rust

How many pleats have you seen with rust flaking off the grid? The Purolator expanded metal pleat support grid is made of galvanized steel for maximum rust resistance. The metal grid maintains pleat shape and prevents fluttering in operation. Consistent pleat shape minimizes resistance and improves dirt loading characteristics throughout the life of the filter.

Consistently Produced

Uniform Pleat Shape - Holds More Dirt

Consistent pleat shape produces optimum performance. Sophisticated production control techniques assure consistent pleat count, pleat height, pleat shape and spacing.

100% Adhesive Application - Assures Filter Integrity

The inside of the die cut frame is completely coated with adhesive to assure a solid bond at all points of contact. The die cut boxes are bonded to each other. The media pack is sealed inside the frame and the pleat tips are bonded to the diagonal support members.

Competitively Priced

Ask your Purolator representative for a quote today.



Two mating pieces of die cut beverage board form a double wall frame around all four edges of the filter. Hi-E 40 filters will not rack or warp under normal operating conditions.

Largest Inventory *(Nobody stocks more pleats than Purolator.)*

We know ready availability is critical to meeting your needs for clean air... on time. All our Distribution Centers are kept fully stocked with pleats the year round.

Compare the performance and value of Hi-E 40 pleats to other types of filters including disposable panel filters, ring panels, pads and frames or permanent filters for efficiency, low resistance, high dust holding capacity, durability and price. The Hi-E 40 line has lower resistance levels to aid in your energy savings goals and objectives.

Hi-E™ 40

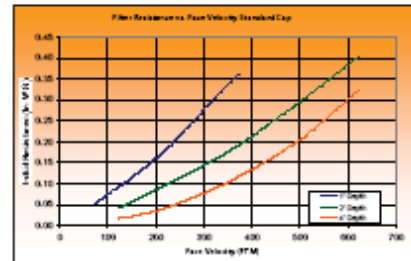
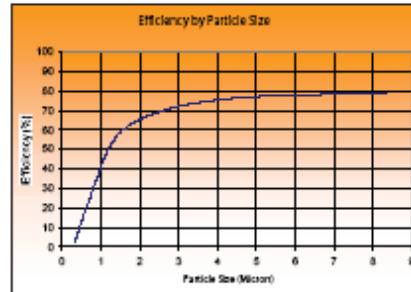
Extended Surface Pleated Filters



Performance Data: Hi-E 40 Filters

Hi-E 40 Model Number	Nominal ¹ Size W x H x D	Actual Size W x H x D	Resistance CFM ² 300 FPM	Total Media Area/Filter
HE40-DT01	10x10x1	9-1/2 x 9-1/2 x 3/4	210	27
HE40-DT01	10x15x1	9-3/4 x 14-3/4 x 3/4	310	27
HE40-DT01	10x20x1	9-1/2 x 19-1/2 x 3/4	415	27
HE40-DT01	10x24x1	9-3/8 x 23-3/8 x 3/4	500	27
HE40-DT01	12x12x1	11-3/4 x 11-3/4 x 3/4	300	27
HE40-DT01	12x16x1	11-1/2 x 15-3/4 x 3/4	400	27
HE40-DT01	12x20x1	11-1/2 x 19-1/2 x 3/4	500	27
HE40-DT01	12x24x1	11-3/8 x 23-3/8 x 3/4	600	27
HE40-DT01	14x14x1	13-3/4 x 13-3/4 x 3/4	410	27
HE40-DT01	14x20x1	13-1/2 x 19-1/2 x 3/4	585	27
HE40-DT01	14x24x1	13-3/8 x 23-3/8 x 3/4	700	27
HE40-DT01	14x28x1	13-1/2 x 24-1/2 x 3/4	730	27
HE40-DT01	14x36x1*	13-3/4 x 29-3/4 x 3/4	875	27
HE40-DT01	15x20x1	14-1/2 x 19-1/2 x 3/4	625	27
HE40-DT01	15x24x1*	14-3/4 x 23-3/4 x 3/4	935	27
HE40-DT01	16x16x1	15-1/2 x 15-1/2 x 3/4	530	27
HE40-DT01	16x20x1	15-1/2 x 19-1/2 x 3/4	665	27
HE40-DT01	16x24x1	15-3/8 x 23-3/8 x 3/4	800	27
HE40-DT01	16x28x1*	15-1/2 x 24-1/2 x 3/4	935	27
HE40-DT01	16x36x1*	15-3/4 x 29-3/4 x 3/4	1020	27
HE40-DT01	18x18x1	17-3/4 x 17-3/4 x 3/4	675	27
HE40-DT01	18x24x1	17-3/8 x 19-1/2 x 3/4	750	27
HE40-DT01	18x28x1	17-3/8 x 21-1/2 x 3/4	825	27
HE40-DT01	18x36x1	17-1/2 x 23-3/8 x 3/4	960	27
HE40-DT01	18x42x1	17-1/2 x 24-1/2 x 3/4	935	27
HE40-DT01	20x20x1	19-1/2 x 19-1/2 x 3/4	830	27
HE40-DT01	20x24x1	19-3/4 x 21-3/4 x 3/4	915	27
HE40-DT01	20x28x1	19-3/8 x 23-3/8 x 3/4	1000	27
HE40-DT01	20x36x1	19-1/2 x 24-1/2 x 3/4	1040	27
HE40-DT01	20x42x1*	19-1/2 x 29-1/2 x 3/4	1250	27
HE40-DT01	22x22x1	21-3/4 x 21-3/4 x 3/4	1025	27
HE40-DT01	24x24x1	23-3/8 x 23-3/8 x 3/4	1200	27
HE40-DT01	24x28x1*	23-3/4 x 23-3/4 x 3/4	1500	27
HE40-DT01	25x25x1	24-1/2 x 24-1/2 x 3/4	1300	27
HE40-DT02	10x20x2	9-1/2 x 19-1/2 x 1-3/4	665	29
HE40-DT02	12x12x2	11-3/4 x 11-3/4 x 1-3/4	500	29
HE40-DT02	12x20x2	11-1/2 x 19-1/2 x 1-3/4	830	29
HE40-DT02	12x24x2	11-3/8 x 23-3/8 x 1-3/4	1000	29
HE40-DT02	14x20x2	13-1/2 x 19-1/2 x 1-3/4	970	29
HE40-DT02	14x25x2	13-1/2 x 24-1/2 x 1-3/4	1235	29
HE40-DT02	15x20x2	14-1/2 x 19-1/2 x 1-3/4	1040	29
HE40-DT02	16x16x2	15-3/4 x 15-3/4 x 1-3/4	890	29
HE40-DT02	16x20x2	15-1/2 x 19-1/2 x 1-3/4	1110	29
HE40-DT02	16x24x2	15-3/8 x 23-3/8 x 1-3/4	1330	29
HE40-DT02	16x28x2	15-1/2 x 24-1/2 x 1-3/4	1390	29
HE40-DT02	18x18x2	17-3/4 x 17-3/4 x 1-3/4	1125	29
HE40-DT02	18x20x2	17-1/2 x 19-1/2 x 1-3/4	1250	29
HE40-DT02	18x22x2	17-1/2 x 21-1/2 x 1-3/4	1375	29
HE40-DT02	18x24x2	17-3/8 x 23-3/8 x 1-3/4	1500	29
HE40-DT02	18x28x2	17-1/2 x 24-1/2 x 1-3/4	1560	29
HE40-DT02	20x20x2	19-1/2 x 19-1/2 x 1-3/4	1390	29
HE40-DT02	20x24x2	19-3/8 x 23-3/8 x 1-3/4	1665	29
HE40-DT02	20x28x2	19-1/2 x 24-1/2 x 1-3/4	1735	29
HE40-DT02	20x36x2*	19-1/2 x 29-1/2 x 1-3/4	2085	29
HE40-DT02	24x24x2	23-3/8 x 23-3/8 x 1-3/4	2000	29
HE40-DT02	25x25x2	24-1/2 x 24-1/2 x 1-3/4	2170	29
HE40-DT04	12x24x4	11-3/8 x 23-3/8 x 3-3/4	1900	20
HE40-DT04	16x20x4	15-1/2 x 19-1/2 x 3-3/4	1110	20
HE40-DT04	16x25x4	15-1/2 x 24-1/2 x 3-3/4	1390	20
HE40-DT04	18x24x4	17-3/8 x 23-3/8 x 3-3/4	1500	20
HE40-DT04	20x20x4	19-1/2 x 19-1/2 x 3-3/4	1390	20
HE40-DT04	20x24x4	19-3/8 x 23-3/8 x 3-3/4	1665	20
HE40-DT04	20x28x4	19-1/2 x 24-1/2 x 3-3/4	1735	20
HE40-DT04	24x24x4	23-3/8 x 23-3/8 x 3-3/4	2000	20
HE40-DT04	25x25x4*	24-1/2 x 24-1/2 x 3-3/4	2500	20
HE40-DT04	30x28x4	29-1/2 x 27-1/2 x 3-3/4	2900	20

* Reverse Pleat



Underwriters Laboratories, Inc. Classification: Hi-E 40 filters are classified U.L. Class 2 per U.L. Standard 900.

Operating Temperature Limits Maximum operating temperature is 225°F (107°C).

Pleat Count -	1"	2"	4"
	(Pleats per foot)		
Hi-E 40 -	12.0	10.0	9.0

- Width and height dimensions are interchangeable. The Hi-E 40 may be installed with pleats running vertical or horizontal.
- Rated Efficiency: Hi-E 40 filters are rated MERV 8 per AHRAE 52.2-2007. Data based on 24x24 size at test velocity of 295 or 492 FPM.
- Hi-E 40 filters have a MERV 8 performance before and after a conditioning step. MERV-A 8-A per ASHRAE 52.2-2007 Appendix J.
- Rated Air Velocity: 1" @300 FPM, 2" & 4" @500 FPM.
- Final Resistance 1.0" W.G.

P-HIESTAND-209



www.purolatorair.com



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 Email: filters@filtechinc.com
www.filtechinc.com

Price List No. 203-01
 Effective Date: February 4, 2009

MERV 8

**Hi-E 40
 Medium Efficiency Filters**

Item No.	Model No.	Nominal Size (Inches) (WxHxD)	List Price	Package Quantity	Weight Per Carton (Lbs.)	Costars Price
5267302160	HE40-STD1	10x10x1	3.95	12	7.8	\$2.25
5267342068	HE40-STD1	10x15x1	5.36	12	3.8	\$3.05
5267302161	HE40-STD1	10x20x1	4.28	12	7.6	\$2.44
5267342067	HE40-STD1	10x24x1	6.01	12	11.2	\$3.43
5267332904	HE40-STD1	12x12x1	5.46	12	10.6	\$3.11
5266862946	HE40-STD1	12x16x1	5.63	12	4.0	\$3.21
5267302162	HE40-STD1	12x20x1	4.55	12	4.8	\$2.59
5267302163	HE40-STD1	12x24x1	4.55	12	9.8	\$2.59
5267347320	HE40-STD1	14x14x1	6.01	12	4.8	\$3.43
5267302164	HE40-STD1	14x20x1	4.65	12	5.0	\$2.65
5267332903	HE40-STD1	14x24x1	6.60	12	6.2	\$3.76
5267302165	HE40-STD1	14x25x1	5.25	12	6.0	\$2.99
5267342071	HE40-STD1	14x30x1(+)	6.77	12	7.0	\$3.86
5267302166	HE40-STD1	15x20x1	4.65	12	5.2	\$2.65
5267325006	HE40-STD1	15x30x1(+)	7.90	12	7.8	\$4.50
5267332906	HE40-STD1	16x16x1	6.22	12	4.8	\$3.55
5267302008	HE40-STD1	16x20x1	4.55	12	5.8	\$2.59
5267302168	HE40-STD1	16x24x1	4.81	12	6.6	\$2.74
5267302009	HE40-STD1	16x25x1	5.03	12	6.8	\$2.87
5267325007	HE40-STD1	16x30x1(+)	7.90	12	8.0	\$4.50
5267347321	HE40-STD1	18x18x1	6.55	12	5.9	\$3.73
5267302170	HE40-STD1	18x20x1	5.68	12	6.2	\$3.24
5267302171	HE40-STD1	18x22x1	5.68	12	6.8	\$3.24
5267302172	HE40-STD1	18x24x1	5.79	12	7.2	\$3.30
5267302173	HE40-STD1	18x25x1	5.68	12	7.6	\$3.24
5267302010	HE40-STD1	20x20x1	5.03	12	6.6	\$2.87
5267347318	HE40-STD1	20x22x1	7.85	12	7.2	\$4.47
5267302175	HE40-STD1	20x24x1	5.68	12	8.8	\$3.24
5267320011	HE40-STD1	20x25x1	5.89	12	8.4	\$3.36
5267324631	HE40-STD1	20x30x1(+)	8.23	12	8.8	\$4.69
5267347319	HE40-STD1	22x22x1	8.06	12	7.8	\$4.59
5267302012	HE40-STD1	24x24x1	5.96	12	8.8	\$3.40
5267348347	HE40-STD1	24x30x1(+)	8.23	12	9.8	\$4.69
5267302198	HE40-STD1	25x25x1	6.77	12	9.0	\$3.86



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Price List No.
 Effective Date:

203-02
 August 3, 2009

MERV 8

**Hi-E 40
 Medium Efficiency Filters**

2" Hi-E 40

Item No.	Model No.	Nominal Size (Inches) (WxHxD)	List Price	Package Quantity	Weight Per Carton	Costars Price
5267402179	HE40-STD2	10x20x2	5.25	12	12.0	\$2.99
5267442069	HE40-STD2	12x12x2	4.38	12	15.5	\$2.50
5267402180	HE40-STD2	12x20x2	5.57	12	7.6	\$3.17
5267402032	HE40-STD2	12x24x2	5.25	12	17.8	\$2.99
5267402182	HE40-STD2	14x20x2	5.63	12	8.4	\$3.21
5267402183	HE40-STD2	14x25x2	6.34	12	10.2	\$3.61
5267402184	HE40-STD2	15x20x2	5.63	12	9.0	\$3.21
5267432907	HE40-STD2	16x16x2	8.38	12	8.4	\$4.78
5267402028	HE40-STD2	16x20x2	5.03	12	10.0	\$2.87
5267402186	HE40-STD2	16x24x2	6.01	12	11.2	\$3.43
5267402029	HE40-STD2	16x25x2	5.63	12	12.0	\$3.21
5267447322	HE40-STD2	18x18x2	7.09	12	9.0	\$4.04
5267402188	HE40-STD2	18x20x2	7.20	12	10.8	\$4.10
5266902189	HE40-STD2	18x22x2	7.09	12	11.8	\$4.04
5267402062	HE40-STD2	18x24x2	6.71	12	12.2	\$3.83
5267402191	HE40-STD2	18x25x2	6.71	12	15.0	\$3.83
5267402030	HE40-STD2	20x20x2	5.63	12	11.2	\$3.21
5267402193	HE40-STD2	20x24x2	7.04	12	13.2	\$4.01
5267402031	HE40-STD2	20x25x2	6.34	12	13.8	\$3.61
5267402033	HE40-STD2	24x24x2	7.25	12	15.4	\$4.13
5267402196	HE40-STD2	25x25x2	9.04	12	16.0	\$5.15
5267442066	HE40-STD2	20x30x2(+)	7.80	12	16.6	\$4.44

4" Hi-E 40

5267502056	HE40-STD4	12x24x4	8.66	6	15.0	\$4.93
5267502052	HE40-STD4	16x20x4	10.06	6	8.60	\$5.74
5267502053	HE40-STD4	16x25x4	10.93	6	11.2	\$6.23
5267502065	HE40-STD4	18x24x4	12.23	6	11.4	\$6.97
5267502054	HE40-STD4	20x20x4	10.93	6	11.2	\$6.23
5267502202	HE40-STD4	20x24x4	12.39	6	12.4	\$7.06
5267502055	HE40-STD4	20x25x4	12.39	6	13.2	\$7.06
5267502034	HE40-STD4	24x24x4	12.99	6	14.8	\$7.40



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Price List No. 203-03
 Effective Date: November 2, 2009

MERV 8

**Special Size Hi-E 40
 Medium Efficiency Filters**

Hi-E 40 Single Filter Construction

Sq. Area Inches	List Price	List Price	List Price	Costars Price 1"	Costars Price 2"	Costars Price 4"
Less than 50	8.73	9.37	15.81	\$4.98	\$5.34	\$9.01
50-99	8.73	9.37	15.81	\$4.98	\$5.34	\$9.01
100-149	8.73	9.37	15.81	\$4.98	\$5.34	\$9.01
150-199	8.73	9.37	15.81	\$4.98	\$5.34	\$9.01
200-249	9.34	9.58	16.22	\$5.32	\$5.46	\$9.24
250-299	9.87	10.66	16.62	\$5.63	\$6.08	\$9.47
300-349	10.30	11.19	18.76	\$5.87	\$6.38	\$10.69
350-399	10.77	12.42	21.05	\$6.14	\$7.08	\$12.00
400-449	11.30	13.08	21.99	\$6.44	\$7.46	\$12.53
450-499	11.80	13.55	22.95	\$6.73	\$7.73	\$13.08
500-549	12.40	14.24	24.04	\$7.07	\$8.12	\$13.70
550-599	12.97	14.89	25.08	\$7.39	\$8.49	\$14.30
600-649	16.11	17.83	27.94	\$9.18	\$10.16	\$15.93
650-699	16.95	18.73	29.54	\$9.66	\$10.68	\$16.84
700-749	18.26	20.62	30.47	\$10.41	\$11.75	\$17.37
750-799	18.82	21.08	32.00	\$10.73	\$12.01	\$18.24
800-840	19.43	22.13	33.19	\$11.08	\$12.61	\$18.92

Hi-E 40 Double Filter Construction

Less than 200	12.87	13.20	19.19	\$7.34	\$7.52	\$10.94
200-299	13.01	15.61	20.52	\$7.42	\$8.90	\$11.70
300-399	13.69	16.22	21.29	\$7.81	\$9.25	\$12.14
400-499	14.06	16.65	21.91	\$8.01	\$9.49	\$12.49
500-599	14.50	20.12	22.54	\$8.26	\$11.47	\$12.85
600-699	16.47	21.56	28.07	\$9.39	\$12.29	\$16.00
700-799	18.29	22.53	29.25	\$10.42	\$12.84	\$16.67
800-899	18.97	24.21	31.56	\$10.81	\$13.80	\$17.99
900-999	19.58	25.24	31.82	\$11.16	\$14.39	\$18.14
1000-1099	19.80	25.74	32.43	\$11.29	\$14.67	\$18.49
1100-1199	20.34	26.64	33.50	\$11.59	\$15.19	\$19.10
1200-1299	23.99	30.07	36.24	\$13.67	\$17.14	\$20.66
1300-1399	25.19	31.58	38.05	\$14.36	\$18.00	\$21.69
1400-over	26.45	33.15	39.94	\$15.08	\$18.90	\$22.77

The logo features a blue stylized wave graphic above the word "Purolator" in a bold, red, sans-serif font.

Purolator

Defiant® Mark 80-D™
Extended Surface pleated Panel Filters



**The Best
Just Got Better-
Defiant Mark 80-D Pleats Now
Mechanical MERV 8**

**The Industry's Largest Selling
Brand of Pleated Filters**

- **Mechanical MERV 8**
- Low initial resistance for energy savings
- Quality Engineered
- Consistently Produced
- Widest Selection
- Industry's Largest inventory
- Competitively Priced

Defiant Mark 80-D

Extended Surface Pleated Panel Filters

Exceeds ASHRAE Standard 62 air cleaning specifications for filters installed upstream of cooling coils.

Mechanical
MERV 8

• **Defiant Mark 80-D** - The industry standard for performance and value for over 30 years

Nobody Sells More Pleats than Purotator. Here's Why...

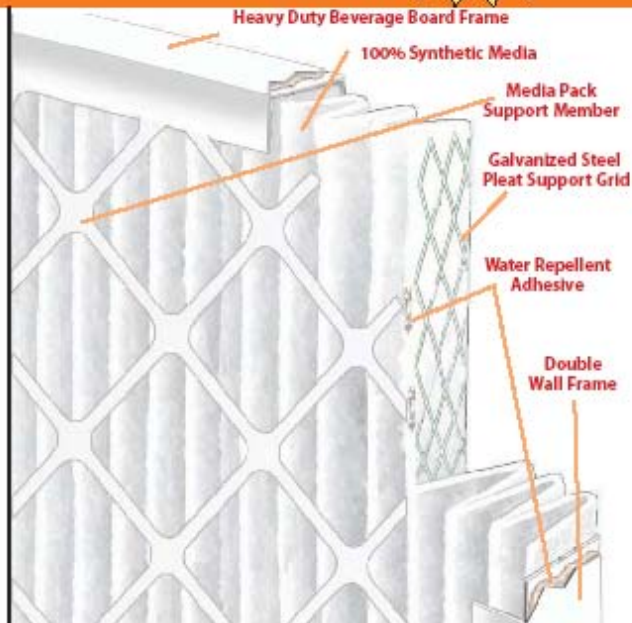
Quality Engineered

Proprietary MERV 8 Media - Developed to deliver consistent performance.

The heart of the product. Purotator medias are manufactured to exclusive specifications produced only for Purotator. Nobody pays more attention to media specifications than Purotator. Rigid requirements for resistance, efficiency, MERV values and dust holding capacity are verified by QC checks on incoming raw materials, production line sampling and field audits of finished goods.

Mechanical Media - Defiant Mark 80-D filters are made with 100% synthetic fibers providing mechanical efficiency to achieve a MERV 8 rating. Defiant Mark80-D filters maintain a MERV 8 rating before and after a conditioning step.

Heavy Duty Beverage Board Frame - Moisture resistant, sturdy frame material stands up to rough handling, difficult service conditions, long service life. The new 7-strap die cut pattern increases contact points between the beverage board and die cut by 50%.



All Defiant Mark 80-D filters are designed with a consistent pleat shape on predetermined centers causing dirt to collect evenly over the entire surface of the media. Fully utilizing every square inch results in a slow steady rise in resistance for maximum dust holding capacity.

Purotator pleats can't be beat!

Two Piece Frame Construction - Double wall thickness around the outer edge and integral die cut cross members provide strength and rigidity. Defiant Mark 80-D filters will not rack, warp or bend under normal handling or operating conditions.

Pleat Stabilizers - The 4" deep filters are designed with individual die cut fingers that separate and stabilize each pleat. Consistent pleat alignment enhances dust holding capacity for longer service life.



Purolator Pleats Can't Be Beat!

Mechanical
MERV 8

Water Repellent Adhesive—Adheres Even When Wet

The adhesive used to bond the frame and media pack into a unitized assembly is highly water repellent. The pleats hold together even when wet. No delaminating, no excessive buckling, no collapsing.

Galvanized Steel Pleat Support - Prevents Rust

How many pleats have you seen with rust flaking off the grid? The Purolator expanded metal pleat support grid is made of galvanized steel for maximum rust resistance. The metal grid maintains pleat shape and prevents fluttering in operation. Consistent pleat shape minimizes resistance and improves dirt loading characteristics throughout the life of the filter.

Consistently Produced

Uniform Pleat Shape - Holds More Dirt

Consistent pleat shape produces optimum performance. Sophisticated production control techniques assure consistent pleat count, pleat height, pleat shape and spacing.

100% Adhesive Application - Assures Filter Integrity

The inside of the die cut frame is completely coated with adhesive to assure a solid bond at all points of contact. The die cut boxes are bonded to each other. The media pack is sealed inside the frame and the pleat tips are bonded to the diagonal support members.

Competitively Priced

Ask your Purolator representative for a quote today.



Two mating pieces of die cut beverage board form a double wall frame around all four edges of the filter. Defiant Mark 80-D filters will not rack or warp under normal operating conditions.

Largest Inventory *(Nobody stocks more pleats than Purolator.)*

We know ready availability is critical to meeting your needs for clean air... on time. All our Distribution Centers are kept fully stocked with pleats the year round.

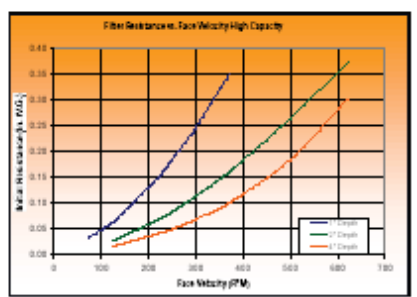
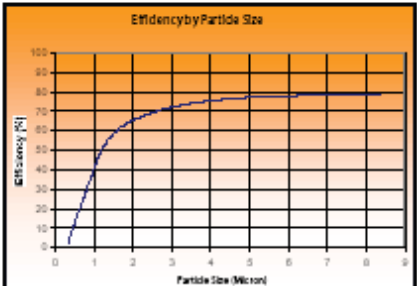
Compare the performance and value of Defiant Mark 80-D pleats to other types of filters including disposable panel filters, ring panels, pads and frames or permanent filters for efficiency, low resistance, high dust holding capacity, durability and price. The Defiant Mark 80-D line has lower resistance levels to aid in your energy savings goals and objectives.

Defiant Mark 80-D

Extended Surface Pleated Panel Filters



Defiant Mark 80-D Model Number	Nominal ¹ Size WxHxD	Actual Size WxHxD	CFM ² capacity high	Resist. in W.G. high	Total Media area/ft ²
DMK80-DT01	10x10x1	9-1/2 x 9-1/2 x 3/4	350	.24	1.6
DMK80-DT01	10x15x1	9-3/4 x 14-3/4 x 3/4	500	.24	2.6
DMK80-DT01	10x20x1	9-1/2 x 19-1/2 x 3/4	700	.24	2.6
DMK80-DT01	10x24x1	9-3/4 x 23-3/4 x 3/4	800	.24	3.1
DMK80-DT01	12x12x1	11-3/4 x 11-3/4 x 3/4	500	.24	3.1
DMK80-DT01	12x16x1	11-3/4 x 15-3/4 x 3/4	650	.24	3.1
DMK80-DT01	12x20x1	11-1/2 x 19-1/2 x 3/4	850	.24	3.1
DMK80-DT01	12x24x1	11-3/8 x 23-3/8 x 3/4	1000	.24	3.7
DMK80-DT01	14x14x1	13-3/4 x 13-3/4 x 3/4	550	.24	3.8
DMK80-DT01	14x20x1	13-1/2 x 19-1/2 x 3/4	975	.24	3.8
DMK80-DT01	14x24x1	13-3/4 x 23-3/4 x 3/4	1150	.24	4.6
DMK80-DT01	14x25x1	13-1/2 x 24-1/2 x 3/4	1215	.24	4.6
DMK80-DT01	14x30x1	13-3/4 x 29-3/4 x 3/4	1400	.24	6.1
DMK80-DT01	15x20x1	14-1/2 x 19-1/2 x 3/4	1040	.24	4.1
DMK80-DT01	15x25x1	14-3/4 x 23-3/4 x 3/4	1400	.24	6.1
DMK80-DT01	16x16x1	15-3/4 x 15-3/4 x 3/4	800	.24	5.0
DMK80-DT01	16x20x1	15-1/2 x 19-1/2 x 3/4	1100	.24	4.3
DMK80-DT01	16x24x1	15-1/2 x 23-3/8 x 3/4	1335	.24	5.1
DMK80-DT01	16x25x1	15-1/2 x 24-1/2 x 3/4	1400	.24	5.3
DMK80-DT01	16x30x1	15-3/4 x 29-3/4 x 3/4	1400	.24	6.1
DMK80-DT01	18x18x1	17-3/4 x 17-3/4 x 3/4	1100	.24	4.6
DMK80-DT01	18x20x1	17-3/8 x 19-1/2 x 3/4	1250	.24	4.6
DMK80-DT01	18x22x1	17-3/8 x 21-1/2 x 3/4	1500	.24	5.7
DMK80-DT01	18x24x1	17-3/4 x 23-3/8 x 3/4	1500	.24	5.7
DMK80-DT01	18x25x1	17-1/2 x 24-1/2 x 3/4	1550	.24	6.0
DMK80-DT01	20x20x1	19-1/2 x 19-1/2 x 3/4	1400	.24	5.5
DMK80-DT01	20x22x1	19-3/4 x 21-3/4 x 3/4	1500	.24	6.6
DMK80-DT01	20x24x1	19-3/8 x 23-3/8 x 3/4	1665	.24	6.6
DMK80-DT01	20x25x1	19-1/2 x 24-1/2 x 3/4	1750	.24	6.9
DMK80-DT01	20x30x1	19-1/2 x 29-1/2 x 3/4	1900	.24	8.1
DMK80-DT01	22x22x1	21-3/4 x 21-3/4 x 3/4	1560	.24	7.1
DMK80-DT01	24x24x1	23-3/8 x 23-3/8 x 3/4	2000	.24	7.7
DMK80-DT01	24x30x1	23-3/4 x 29-3/4 x 3/4	2500	.24	9.7
DMK80-DT01	25x25x1	24-1/2 x 24-1/2 x 3/4	2000	.24	8.7
DMK80-DT02	10x20x2	9-1/2 x 19-1/2 x 1-3/4	700	.26	4.7
DMK80-DT02	12x12x2	11-3/4 x 11-3/4 x 1-3/4	500	.26	7.3
DMK80-DT02	12x20x2	11-1/2 x 19-1/2 x 1-3/4	850	.26	7.3
DMK80-DT02	12x24x2	11-3/8 x 23-3/8 x 1-3/4	1000	.26	8.6
DMK80-DT02	14x20x2	13-1/2 x 19-1/2 x 1-3/4	975	.26	8.8
DMK80-DT02	14x25x2	13-1/2 x 24-1/2 x 1-3/4	1215	.26	11.0
DMK80-DT02	15x20x2	14-1/2 x 19-1/2 x 1-3/4	1040	.26	9.3
DMK80-DT02	16x16x2	15-3/4 x 15-3/4 x 1-3/4	800	.26	9.9
DMK80-DT02	16x20x2	15-1/2 x 19-1/2 x 1-3/4	1100	.26	9.9
DMK80-DT02	16x24x2	15-3/8 x 23-3/8 x 1-3/4	1335	.26	11.7
DMK80-DT02	16x25x2	15-1/2 x 24-1/2 x 1-3/4	1400	.26	12.3
DMK80-DT02	18x18x2	17-3/4 x 17-3/4 x 1-3/4	1100	.26	11.4
DMK80-DT02	18x20x2	17-1/2 x 19-1/2 x 1-3/4	1250	.26	11.4
DMK80-DT02	18x22x2	17-1/2 x 21-1/2 x 1-3/4	1500	.26	13.6
DMK80-DT02	18x24x2	17-3/8 x 23-3/8 x 1-3/4	1500	.26	13.6
DMK80-DT02	18x25x2	17-1/2 x 24-1/2 x 1-3/4	1550	.26	14.2
DMK80-DT02	20x20x2	19-1/2 x 19-1/2 x 1-3/4	1400	.26	12.4
DMK80-DT02	20x24x2	19-3/8 x 23-3/8 x 1-3/4	1665	.26	14.8
DMK80-DT02	20x25x2	19-1/2 x 24-1/2 x 1-3/4	1720	.26	15.5
DMK80-DT02	20x30x2	19-3/4 x 29-1/2 x 1-3/4	2050	.26	18.7
DMK80-DT02	24x24x2	23-3/8 x 23-3/8 x 1-3/4	2000	.26	17.9
DMK80-DT02	25x25x2	24-1/2 x 24-1/2 x 1-3/4	2000	.26	20.0
DMK80-DT04	12x24x4	11-3/8 x 23-3/8 x 3-3/4	1250	.10	12.4
DMK80-DT04	16x20x4	15-1/2 x 19-1/2 x 3-3/4	1400	.10	14.6
DMK80-DT04	16x25x4	15-1/2 x 24-1/2 x 3-3/4	1750	.10	18.3
DMK80-DT04	18x24x4	17-3/8 x 23-3/8 x 3-3/4	1675	.10	19.9
DMK80-DT04	20x20x4	19-1/2 x 19-1/2 x 3-3/4	1750	.10	18.8
DMK80-DT04	20x24x4	19-3/8 x 23-3/8 x 3-3/4	2050	.10	22.4
DMK80-DT04	20x25x4	19-1/2 x 24-1/2 x 3-3/4	2170	.10	23.5
DMK80-DT04	24x24x4	23-3/8 x 23-3/8 x 3-3/4	2500	.10	27.4
DMK80-DT04	25x25x4	24-1/2 x 24-1/2 x 3-3/4	3150	.10	32.6
DMK80-DT04	28x28x4	29-1/2 x 27-1/2 x 3-3/4	3650	.10	38.5



Underwriters Laboratories, Inc. Classification: Defiant Mark 80-D filters are classified U.L. Class 2 per U.L. Standard 900.

Operating Temperature Limit: Maximum operating temperature is 225°F (107°C).

Pleat Count - 1" 2" 4"
(Pleats per foot)
DMK80 - 14.0 15.0 11.0

1. Width and height dimensions are interchangeable. The Defiant Mark 80-D may be installed with pleats running vertical or horizontal.
2. Defiant Mark 80-D filters have a MERV 8 rating before and after a conditioning step.
3. The maximum total final operating resistance is typical of systems currently in operation. The Defiant Mark 80-D can be operated to higher or lower final resistance levels without adversely affecting filter efficiency.
4. Final Resistance 1.0" W.G.



P-DEFMARK80-808
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 West Homestead, PA 15120
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Price List No. 207-01
 Effective Date: March 9, 2009

MERV 8

DEFIANT MARK80
Medium Efficiency Filters

Item No.	Model No.	Nominal Size (Inches) (WxHxD)	List Price	Package Quantity	Weight Per Carton (Lbs.)	Costars Price
5257310206	DMK80-STD1	10x10x1	4.76	12	8.0	\$2.71
5257342064	DMK80-STD1	10x15x1	5.73	12	4.2	\$3.27
5257310205	DMK80-STD1	10x20x1	5.08	12	7.6	\$2.90
5257342063	DMK80-STD1	10x24x1	6.71	12	11.8	\$3.82
5257342103	DMK80-STD1	12x12x1	6.11	12	11.2	\$3.48
5257342072	DMK80-STD1	12x16x1	6.06	12	4.6	\$3.45
5257310207	DMK80-STD1	12x20x1	5.41	12	4.8	\$3.08
5257310208	DMK80-STD1	12x24x1	5.30	12	10.6	\$3.02
5257347315	DMK80-STD1	14x14x1	6.71	12	4.8	\$3.82
5257310209	DMK80-STD1	14x20x1	5.25	12	5.4	\$2.99
5257342102	DMK80-STD1	14x24x1	7.47	12	6.8	\$4.26
5257310211	DMK80-STD1	14x25x1	6.16	12	6.8	\$3.51
5257342070	DMK80-STD1	14x30x1 (+)	8.27	12	8.2	\$4.72
5257310212	DMK80-STD1	15x20x1	5.25	12	5.8	\$2.99
5257324994	DMK80-STD1	15x30x1(+)	8.55	12	8.4	\$4.87
5257332893	DMK80-STD1	16x16x1	6.54	12	4.8	\$3.73
5257310214	DMK80-STD1	16x20x1	5.08	12	6.6	\$2.90
5257310215	DMK80-STD1	16x24x1	5.30	12	8.2	\$3.02
5257310216	DMK80-STD1	16x25x1	5.63	12	7.8	\$3.21
5257324995	DMK80-STD1	16x30x1(+)	8.55	12	8.6	\$4.87
5257347316	DMK80-STD1	18x18x1	7.84	12	5.9	\$4.47
5257310217	DMK80-STD1	18x20x1	6.59	12	6.8	\$3.76
5257310221	DMK80-STD1	18x22x1	7.52	12	7.8	\$4.29
5257310218	DMK80-STD1	18x24x1	6.49	12	8.4	\$3.70
5257310219	DMK80-STD1	18x25x1	6.59	12	8.6	\$3.76
5257310202	DMK80-STD1	20x20x1	5.73	12	7.6	\$3.27
5257347313	DMK80-STD1	20x22x1	8.60	12	8.4	\$4.90
5257310203	DMK80-STD1	20x24x1	6.59	12	8.8	\$3.76
5257310204	DMK80-STD1	20x25x1	6.59	12	9.0	\$3.76
5257333282	DMK80-STD1	20x30x1(+)	8.81	12	10.2	\$5.02
5257347314	DMK80-STD1	22x22x1	8.81	12	8.8	\$5.02
5257310210	DMK80-STD1	24x24x1	6.87	12	10.0	\$3.91
5257367806	DMK80-STD1	24x30x1(+)	8.81	12	11.6	\$5.02
5257310213	DMK80-STD1	25x25x1	7.52	12	10.8	\$4.29



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www.filtechinc.com

Price List No. 207-02
 Effective Date: March 9, 2009

MERV 8

DEFIANT MARK80
 Medium Efficiency Filters

2" Pleated Filters

Item No.	Model No.	Nominal Size (Inches) (WxHxD)	List Price	Package Quantity	Weight Per Carton (Lbs.)	Costars Price
5257410156	DMK80-STD2	10x20x2	5.89	12	13.8	\$3.36
5257442065	DMK80-STD2	12x12x2	5.13	12	18.0	\$2.93
5257410157	DMK80-STD2	12x20x2	6.44	12	8.6	\$3.67
5257410158	DMK80-STD2	12x24x2	6.33	12	17.8	\$3.61
5257410159	DMK80-STD2	14x20x2	6.49	12	9.8	\$3.70
5257410161	DMK80-STD2	14x25x2	7.52	12	12.6	\$4.29
5257410162	DMK80-STD2	15x20x2	6.49	12	10.2	\$3.70
5257432894	DMK80-STD2	16x16x2	9.03	12	9.4	\$5.15
5257410164	DMK80-STD2	16x20x2	6.11	12	11.0	\$3.48
5257410165	DMK80-STD2	16x24x2	7.14	12	13	\$4.07
5257410166	DMK80-STD2	16x25x2	7.14	12	14.0	\$4.07
5257447317	DMK80-STD2	18x18x2	8.70	12	11.2	\$4.96
5257410167	DMK80-STD2	18x20x2	8.70	12	12.0	\$4.96
5257410168	DMK80-STD2	18x22x2	8.70	12	13.4	\$4.96
5257410169	DMK80-STD2	18x24x2	8.49	12	13.4	\$4.84
5257410170	DMK80-STD2	18x25x2	8.70	12	16.6	\$4.96
5257410153	DMK80-STD2	20x20x2	7.14	12	13.2	\$4.07
5257410154	DMK80-STD2	20x24x2	8.70	12	15.6	\$4.96
5257410155	DMK80-STD2	20x25x2	8.22	12	16.2	\$4.69
5257442062	DMK80-STD2	20x30x2(+)	10.49	12	18.6	\$5.98
5257410160	DMK80-STD2	24x24x2	8.98	12	17.8	\$5.12
5257410163	DMK80-STD2	25x25x2	10.16	12	18.8	\$5.79

4" Pleated Filters

5257510289	DMK80-STD4	12x24x4	9.30	6	17.2	\$5.30
5257510291	DMK80-STD4	16x20x4	10.76	6	8.6	\$6.13
5257510292	DMK80-STD4	16x25x4	12.00	6	11.8	\$6.84
5257510294	DMK80-STD4	18x24x4	13.79	6	12.2	\$7.86
5257510286	DMK80-STD4	20x20x4	12.00	6	11.2	\$6.84
5257510287	DMK80-STD4	20x24x4	13.79	6	14.8	\$7.86
5257510288	DMK80-STD4	20x25x4	13.52	6	14.2	\$7.71
5257510226	DMK80-STD4	24x24x4	14.54	6	15.6	\$8.29
5257510290	DMK80-STD4	25x29x4(+)	17.96	6	20.0	\$10.23
5257510293	DMK80-STD4	30x28x4	25.25	6	20.0	\$14.39



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Price List No. 207-03
 Effective Date: November 2, 2009

MERV 8

Special Size DEFIANT MARK 80
Medium Efficiency Filters

MARK 80 D Single Filter Construction

Sg. Area Inches	List Price			Costars Price		
	1"	2"	4"	1"	2"	4"
Less than 50	9.68	11.70	17.20	\$5.52	\$6.67	\$9.80
50-99	9.68	11.70	17.20	\$5.52	\$6.67	\$9.80
100-149	9.68	11.70	17.20	\$5.52	\$6.67	\$9.80
150-199	9.68	11.70	17.20	\$5.52	\$6.67	\$9.80
200-249	10.35	11.98	17.67	\$5.90	\$6.83	\$10.07
250-299	10.93	12.31	18.13	\$6.23	\$7.02	\$10.33
300-349	11.45	14.01	20.46	\$6.53	\$7.99	\$11.66
350-399	11.98	15.50	22.90	\$6.83	\$8.84	\$13.05
400-449	12.58	16.34	23.95	\$7.17	\$9.31	\$13.65
450-499	13.12	16.95	25.00	\$7.48	\$9.66	\$14.25
500-549	13.78	17.79	26.16	\$7.85	\$10.14	\$14.91
550-599	14.41	18.62	27.32	\$8.21	\$10.61	\$15.57
600-649	17.88	22.27	30.45	\$10.19	\$12.70	\$17.36
650-699	18.96	23.14	32.00	\$10.81	\$13.19	\$18.24
700-749	20.37	25.09	33.88	\$11.61	\$14.30	\$19.31
750-799	21.01	26.37	35.82	\$11.98	\$15.03	\$20.42
800-840	22.13	27.85	37.04	\$12.62	\$15.88	\$21.11

MARK 80 D Double Filter Construction

Less than 200	13.53	13.90	19.81	\$7.71	\$7.92	\$11.29
200-299	13.69	16.43	21.17	\$7.80	\$9.37	\$12.07
300-399	14.41	17.06	21.97	\$8.21	\$9.72	\$12.52
400-499	14.81	17.52	22.61	\$8.44	\$9.98	\$12.89
500-599	15.25	21.17	23.26	\$8.69	\$12.07	\$13.26
600-699	17.33	22.67	28.96	\$9.88	\$12.92	\$16.51
700-799	19.24	23.70	30.19	\$10.97	\$13.51	\$17.21
800-899	19.97	25.47	32.57	\$11.38	\$14.52	\$18.56
900-999	20.62	26.56	32.84	\$11.75	\$15.14	\$18.72
1000-1099	20.82	27.08	33.47	\$11.87	\$15.44	\$19.08
1100-1199	21.40	28.03	34.58	\$12.20	\$15.98	\$19.71
1200-1299	25.23	31.65	37.40	\$14.38	\$18.04	\$21.32
1300-1399	26.49	33.23	39.27	\$15.10	\$18.94	\$22.38
1400-over	28.14	34.89	41.23	\$16.04	\$19.89	\$23.50



PAF 11™

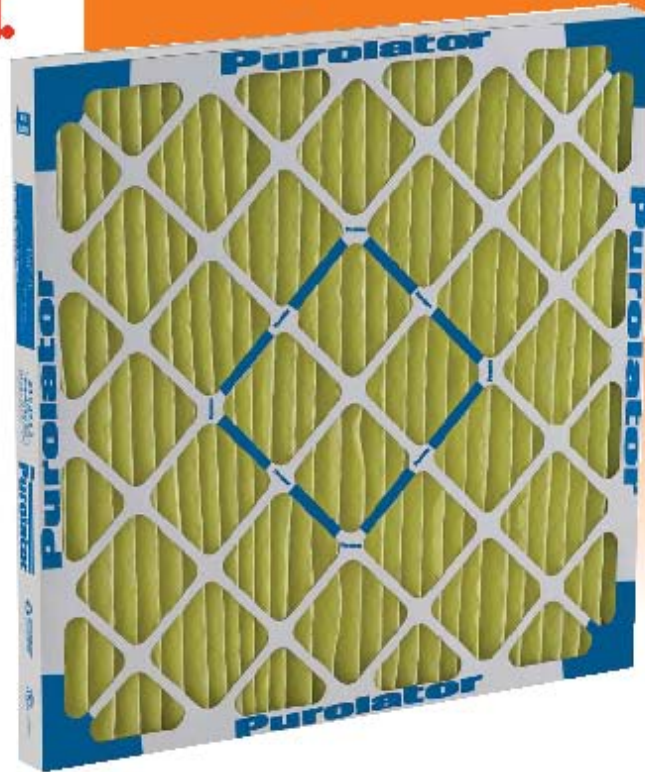
Medium Efficiency, Synthetic Pleated Filters

Introduction

- Purolator's PAF 11 filters are medium efficiency, self-supported, extended surface, pleated air filters.
- Specifically manufactured for system applications requiring high efficiency, non-shedding filtration media.
- Outperforms similar products with respect to initial efficiency, and average efficiency providing optimum filter service life.
- Effective in single filter applications or as improved pre-filter substitutes for disposables, permanent metal filters or media pad/frame filters.
- Industry applications: Prefiltration for hospitals, health care facilities, food processing plants, telecommunications, pharmaceutical and semi-conductor manufacturing, etc.
- MERV 11 (Minimum Efficiency Reporting Value) based on ASHRAE Test Standard 52.2-2007

Media and Support

- Synthetic media made up of continuous hydrophobic fibers which do not absorb moisture, and can withstand turbulent, high velocity conditions.
- Fibers are thermally bonded to eliminate the need for chemical binders that could promote microbial growth or generate VOCs.
- Improved overall particle size efficiency due to continuous fiber structure and dual stage electrostatic enhancement which captures an increased amount of smaller particulate than conventional glass media.
- Media support: Continuously bonded to a corrosion resistant, expanded metal grid allowing a 96% open face area.
- Pleat configuration: Formed into aerodynamic, semi-tapered, wedge-shaped pleats expanding its capability to capture contaminants.



Construction features

- Frame: Enclosed in a two-piece, high wet-strength beverage board frame.
- Assembly: A fully bonded double wall frame combines with the integral corner flaps and forms a rugged, durable filter which will not rack, warp or leak under normal operating conditions.
- To assure no dirty air bypass, the media pack is securely bonded to the periphery of the enclosure frame with solvent-free water based glue.
- U.L. Classification: Class 2 approved and listed. Tested in accordance with U.L. Standard 900.
- In 4" models, accurate pleat alignment is maintained by die-cut pleat spacers on the upstream side.
- Maximum operating temperature: $\leq 200^{\circ}\text{F}$.

PAF 11™

Medium Efficiency, Synthetic Pleated Filters

Suggested Product Specifications

1. The filter shall be the PAF 11 as manufactured by Purolator
2. Air filters shall be (2") and (4") deep, medium efficiency, pleated media, disposable panel type.
3. The filter media shall be synthetic media as brand named to Purolator.
4. The filter media shall be bonded to a corrosion resistant, expanded metal support grid with a 96% open face area.
5. To assure no dirty air bypass, the media grid assembly shall be bonded to all interior surfaces of the frame with solvent-free water based glue.
6. The support grid shall be formed into a wedge configuration to optimize use of the filter media.
7. To maintain accurate pleat alignment, die-cut diagonal frame members shall be bonded to the media pock upstream and downstream.

Performance Data: PAF 11

Series	PAF 11 Model Number	Nominal (1) Size Width	Actual Size Width	CFM(2) Capacity	Resist %W.G.	Resist %W.G. Final(D)	Sq. Ft.	Media area/Sq. Ft. Face Area
2 15 pleats per linear foot of face area	PAF 11-STD2	10x20x2	9½ x 19½ x 1¾	700	.31	1.00	6.1	4.6
	PAF 11-STD2	12X12X2	11½ x 11½ x 1¾	900	.31	1.00	3.1	4.6
	PAF 11-STD2	12X20X2	11½ x 19½ x 1¾	850	.31	1.00	7.1	4.6
	PAF 11-STD2	12X24X2	11½ x 23½ x 1¾	1000	.31	1.00	8.5	4.6
	PAF 11-STD2	14X20X2	13½ x 19½ x 1¾	975	.31	1.00	8.6	4.6
	PAF 11-STD2	14X25X2	13½ x 24½ x 1¾	1215	.31	1.00	10.8	4.6
	PAF 11-STD2	15X20X2	14½ x 19½ x 1¾	1040	.31	1.00	9.1	4.6
	PAF 11-STD2	16X16X2	15½ x 15½ x 1¾	890	.31	1.00	5.7	4.6
	PAF 11-STD2	16X20X2	15½ x 19½ x 1¾	1100	.31	1.00	9.6	4.6
	PAF 11-STD2	16X24X2	15½ x 23½ x 1¾	1335	.31	1.00	11.6	4.6
	PAF 11-STD2	16X25X2	15½ x 24½ x 1¾	1400	.31	1.00	12.1	4.6
	PAF 11-STD2	18X20X2	17½ x 19½ x 1¾	1250	.31	1.00	11.2	4.6
	PAF 11-STD2	18X22X2	17½ x 21½ x 1¾	1500	.31	1.00	12.3	4.6
	PAF 11-STD2	18X24X2	17½ x 23½ x 1¾	1500	.31	1.00	13.4	4.6
	PAF 11-STD2	18X25X2	17½ x 24½ x 1¾	1550	.31	1.00	14.0	4.6
	PAF 11-STD2	20X20X2	19½ x 19½ x 1¾	1400	.31	1.00	12.2	4.6
	PAF 11-STD2	20X24X2	19½ x 23½ x 1¾	1665	.31	1.00	14.6	4.6
	PAF 11-STD2	20X25X2	19½ x 24½ x 1¾	1750	.31	1.00	15.3	4.6
	PAF 11-STD2	20X30X2	19½ x 29½ x 1¾	2000	.31	1.00	13.1	4.6
	PAF 11-STD2	24X24X2	23½ x 23½ x 1¾	2000	.31	1.00	17.6	4.6
PAF 11-STD2	25X25X2	24½ x 24½ x 1¾	2000	.31	1.00	19.1	4.6	
4 11 pleats per linear foot of face area	PAF 11-STD4	12X24X4	11½ x 23½ x 3¾	1250	.22	1.00	14.0	7.0
	PAF 11-STD4	16X20X4	15½ x 19½ x 3¾	1400	.22	1.00	14.9	7.0
	PAF 11-STD4	16X25X4	15½ x 24½ x 3¾	1750	.22	1.00	18.6	7.0
	PAF 11-STD4	18X24X4	17½ x 23½ x 3¾	1875	.22	1.00	20.4	7.0
	PAF 11-STD4	20X20X4	19½ x 19½ x 3¾	1750	.22	1.00	19.1	7.0
	PAF 11-STD4	20X24X4	19½ x 23½ x 3¾	2050	.22	1.00	23.0	7.0
	PAF 11-STD4	20X25X4	19½ x 24½ x 3¾	2170	.22	1.00	24.0	7.0
	PAF 11-STD4	24X24X4	23½ x 23½ x 3¾	2500	.22	1.00	28.0	7.0
PAF 11-STD4	25X29X4	24½ x 28½ x 3¾	3150	.22	1.00	34.6	7.0	

- (1) Width and height dimensions are interchangeable. The PAF 11 may be installed with pleats running vertical or horizontal.
- (2) Capacity ratings are recommended levels. Resistance to airflow data is based on ASHRAE 52.2-2007 Test Methods. Data based on 24x24 size at a test velocity of 492 FPM.
- (3) The recommended final operating resistance is typical of systems currently in operation. The PAF 11 can be operated to higher or lower final resistance levels without materially affecting filter efficiency.
- (4) The PAF 11 pleated filter is UL Class 2 approved and listed. Testing on this product was performed in accordance with UL Standard 900. Suggested operating temperatures not to exceed 200°F (93°C).

P-PAF11-209



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Price List No. 208-01
 Effective Date: September 19, 2008

PAF 11
Medium Efficiency Filters

Item No.	Model No.	Nominal Size (Inches) (WxHxD)	List Price	Package Quantity	Weight Per Carton (Lbs.)	Costars Price
5257312929	PAF11-STD1	10x20x1	7.73	12	15.4	\$4.41
5257347050	PAF11-STD1	12x20x1	9.14	12	15.8	\$5.21
5257307573	PAF11-STD1	12x24x1	8.75	12	19.0	\$4.99
5257347051	PAF11-STD1	14x20x1	9.27	12	10.8	\$5.28
5257314226	PAF11-STD1	14x25x1	9.27	12	12.7	\$5.28
5257345323	PAF11-STD1	15x20x1	8.63	12	11.6	\$4.92
5257346417	PAF11-STD1	16x20x1	7.98	12	12.5	\$4.55
5257345293	PAF11-STD1	16x25x1	8.75	12	14.5	\$4.99
5257358065	PAF11-STD1	18x24x1	9.74	12	14.2	\$5.55
5257326228	PAF11-STD1	18x25x1	9.48	12	14.2	\$5.40
5257347049	PAF11-STD1	20x20x1	8.67	12	14.5	\$4.94
5257341978	PAF11-STD1	20x25x1	9.48	12	16.6	\$5.40
5257346465	PAF11-STD1	24x24x1	10.46	12	19.1	\$5.96
5257384572	PAF11-STD1	25x25x1	11.02	12	20.8	\$6.28



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Price List No. 208-02
 Effective Date: April 7, 2008

PAF 11
Medium Efficiency Filters

2" Series

Item No.	Model No.	Nominal Size (Inches) (WxHxD)	List Price	Package Quantity	Weight Per Carton (Lbs.)	Costars Price
5256909899	PAF11-1002	10x20x2	6.78	12	15.4	\$3.87
5256944736	PAF11-2002	12x20x2	7.79	12	15.8	\$4.44
5256941942	PAF11-2402	12x24x2	7.79	12	19.0	\$4.44
5256900097	PAF11-4002	14x20x2	7.79	12	10.8	\$4.44
5256944450	PAF11-4502	14x25x2	8.79	12	12.7	\$5.01
5256946838	PAF11-5002	15x20x2	8.18	12	11.6	\$4.66
5256946812	PAF11-6602D	16x16x2	7.79	12	11.0	\$4.44
5256942460	PAF11-6002	16x20x2	8.18	12	12.5	\$4.66
5256944451	PAF11-6402	16x24x2	9.80	12	13.9	\$5.58
5256941945	PAF11-6502	16x25x2	9.35	12	14.5	\$5.33
5256946853	PAF11-8002	18x20x2	9.80	12	13.1	\$5.58
5256862975	PAF11-8202	18x22x2	9.95	12	14.2	\$5.67
5256945830	PAF11-8402	18x24x2	9.80	12	14.2	\$5.58
5256900098	PAF11-8502	18x25x2	9.95	12	14.2	\$5.67
5256941940	PAF11-0002	20x20x2	9.35	12	14.5	\$5.33
5256942459	PAF11-0402	20x24x2	10.34	12	15.8	\$5.90
5256941941	PAF11-0502	20x25x2	10.07	12	16.6	\$5.74
5256947852	PAF11-0302	20x30x2(+)	13.24	12	20.0	\$7.55
5256941943	PAF11-4402	24x24x2	11.58	12	19.1	\$6.60
5256941944	PAF11-5502	25x25x2	12.52	12	20.8	\$7.13

4" Series

5257542351	PAF11-2404	12x24x4	15.65	6	17.0	\$8.92
5257500002	PAF11-6004	16x20x4	15.36	6	11.8	\$8.76
5257544059	PAF11-6504	16x25x4	16.81	6	13.7	\$9.58
5257547715	PAF11-8404	18x24x4	16.76	6	13.7	\$9.55
5257544712	PAF11-0004	20x20x4	16.81	6	14.9	\$9.58
5257545054	PAF11-0404	20x24x4	18.82	6	15.7	\$10.73
5257544058	PAF11-0504	20x25x4	18.82	6	16.2	\$10.73
5257542352	PAF11-4404	24x24x4	19.81	6	16.2	\$11.29
5257550463	PAF11-5904	25x29x4(+)	25.39	6	10.6	\$14.47



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Price List No. 208-02
 Effective Date: October 30, 2009

**Special Size PAF 11
 Medium Efficiency Filters**

PAF 11 Single Filter Construction

Sq. area inches	List Price 1"	List Price 2"	List Price 4"	Costars Price 1"	Costars Price 2"	Costars Price 4"
36-199	11.42	12.56	18.27	\$6.51	\$7.16	\$10.41
200-299	12.00	13.14	18.85	\$6.84	\$7.49	\$10.74
300-399	12.56	13.70	19.41	\$7.16	\$7.81	\$11.07
400-499	13.14	14.28	19.99	\$7.49	\$8.14	\$11.39
500-599	13.70	14.85	20.56	\$7.81	\$8.46	\$11.72
600-699	14.28	15.14	21.13	\$8.14	\$8.63	\$12.05
700-799	14.85	15.42	21.70	\$8.46	\$8.79	\$12.37
800 - 840	15.42	16.56	22.27	\$8.79	\$9.44	\$12.70

PAF 11 Double Filter Construction

180-399	18.85	20.56	27.41	\$10.74	\$11.72	\$15.62
400-599	20.56	22.27	29.13	\$11.72	\$12.70	\$16.60
600-799	22.27	23.98	30.83	\$12.70	\$13.67	\$17.58
800-999	23.98	25.70	32.55	\$13.67	\$14.65	\$18.55
1000-1199	25.70	27.41	34.26	\$14.65	\$15.62	\$19.53
1200-1399	27.41	29.13	35.98	\$15.62	\$16.60	\$20.51
1400-over	29.13	30.83	37.69	\$16.60	\$17.58	\$21.48

Puro-green

GREEN AIR QUALITY

Puroinator



Puro-green

Extended Surface Pleated Filters

NEW
MERV 13
Pleated Filter

MERV 13 Efficiency Performance for LEED

- Maintains MERV 13 Performance in a full ASHRAE 52.2-2007 independent test as required by LEED
- Meets LEED Green Building criteria for minimum efficiency
- Provides points toward LEED certification
- Achieves efficiency standards outlined in the LEED programs for Existing Buildings and New Construction



The Leadership in Energy and Environmental Design (LEED) Green Building Rating System is the nationally accepted benchmark for design, construction and operation of high-performance green buildings. LEED promotes a whole-building approach of sustainability by recognizing performance in five key areas of human and environmental health: sustainable site development, water savings, energy efficiency, materials selection, and indoor environmental quality.

Source: U.S. Green Building Council, www.usgbc.org

Definition of Sustainability (US E.P.A. sustainability website): The ability to achieve *continuing economic prosperity while protecting the natural systems of the planet and providing a high quality of life* for its people.



Puro-g13een

Extended Surface Pleated Filters

NEW
MERV 13
Pleated Filter



Easy to Install with Low Initial Resistance

The two-inch depth of the **Puro-g13een** makes installation easy and user friendly. There is no need to retrofit existing air handlers or equipment to accommodate the **Puro-g13een**. The low initial resistance also helps to promote low energy consumption. The **Puro-g13een** can be used in almost any building where better indoor air quality is desired such as existing commercial properties, universities, school systems and government institutions.

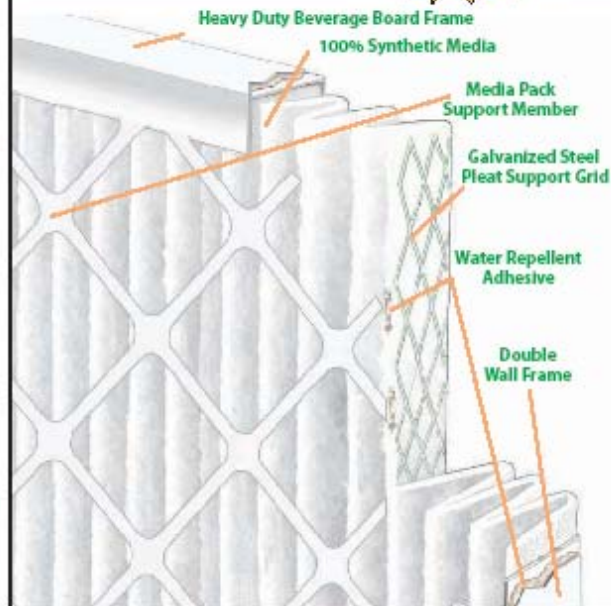
Construction Features and Benefits

Heavy Duty Beverage Board Frame - Moisture resistant, sturdy frame material stands up to rough handling, difficult service conditions, long service life. The new die cut pattern increases contact points between the beverage board and die cut by 50%.

Two Piece Frame Construction - Double wall thickness around the outer edge and integral die cut cross members provide strength and rigidity. **Puro-g13een** filters will not rack, warp or bend under normal handling or operating conditions.

Water Repellent Adhesive—Adheres Even When Wet

The adhesive used to bond the frame and media pack into a unitized assembly is highly water repellent. The pleats hold together even when wet. No delaminating, no excessive buckling, no collapsing.



Galvanized Steel Pleat Support - Prevents Rust

How many pleats have you seen with rust flaking off the grid? The Purolator expanded metal pleat support grid is made of galvanized steel for maximum rust resistance. The metal grid maintains pleat shape and prevents fluttering in operation. Consistent pleat shape minimizes resistance and improves dirt loading characteristics throughout the life of the filter.

Consistently Produced

Uniform Pleat Shape - Holds More Dirt

Consistent pleat shape produces optimum performance. Sophisticated production control techniques assure consistent pleat count, pleat height, pleat shape and spacing.

100% Adhesive Application - Assures Filter Integrity

The inside of the die cut frame is completely coated with adhesive to assure a solid bond at all points of contact. The die cut boxes are bonded to each other. The media pack is sealed inside the frame and the pleat tips are bonded to the diagonal support members.

Puro-green

Extended Surface Pleated Filters

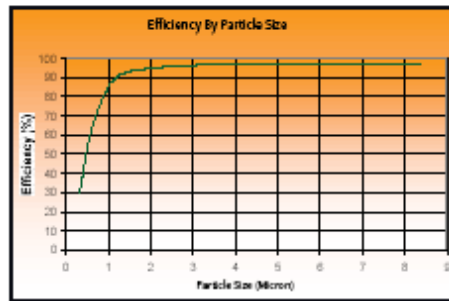
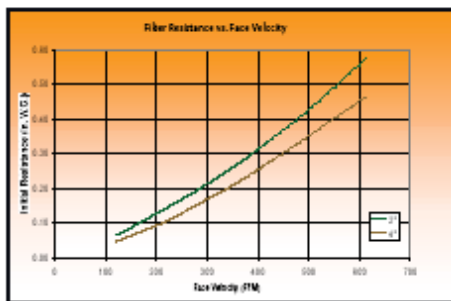


PURO-green13 Model Number	Nominal Size WxHxD	Actual Size WxHxD	Rated Capacity (CFM)	Resist. in W.G.	Total Media area/filter
PR13-STD2 10x20x2	10 X 20 X 2	9 1/2 X 19 1/2 X 1 3/4	700	0.41	7.2
PR13-STD2 12x20x2	12 X 20 X 2	11 1/2 X 19 1/2 X 1 3/4	840	0.41	8.8
PR13-STD2 12x24x2	12 X 24 X 2	11 3/8 X 23 3/8 X 1 3/4	1000	0.41	10.5
PR13-STD2 14x20x2	14 X 20 X 2	13 1/2 X 19 1/2 X 1 3/4	980	0.41	10.4
PR13-STD2 14x25x2	14 X 25 X 2	13 1/2 X 24 1/2 X 1 3/4	1220	0.41	13.0
PR13-STD2 15x20x2	15 X 20 X 2	14 1/2 X 19 1/2 X 1 3/4	1050	0.41	20.0
PR13-STD2 16x20x2	16 X 20 X 2	15 1/2 X 19 1/2 X 1 3/4	1120	0.41	10.9
PR13-STD2 16x25x2	16 X 25 X 2	15 1/2 X 24 1/2 X 1 3/4	1400	0.41	14.9
PR13-STD2 18x20x2	18 X 20 X 2	17 1/2 X 19 1/2 X 1 3/4	1250	0.41	13.0
PR13-STD2 18x24x2	18 X 24 X 2	17 3/8 X 23 3/8 X 1 3/4	1500	0.41	15.5
PR13-STD2 18x25x2	18 X 25 X 2	17 1/2 X 24 1/2 X 1 3/4	1570	0.41	16.2
PR13-STD2 20x20x2	20 X 20 X 2	19 1/2 X 19 1/2 X 1 3/4	1400	0.41	14.5
PR13-STD2 20x24x2	20 X 24 X 2	19 3/8 X 23 3/8 X 1 3/4	1670	0.41	17.4
PR13-STD2 20x25x2	20 X 25 X 2	19 1/2 X 24 1/2 X 1 3/4	1750	0.41	18.2
PR13-STD2 20x30x2	20 X 30 X 2*	19 1/2 X 29 1/2 X 1 3/4	2080	0.41	22.3
PR13-STD2 24x24x2	24 X 24 X 2	23 3/8 X 23 3/8 X 1 3/4	2000	0.41	21.1
PR13-STD2 25x25x2	25 X 25 X 2	24 1/2 X 24 1/2 X 1 3/4	2170	0.41	23.4
PR13-STD4 12 X 24 X 4	12 X 24 X 4	11 3/8 X 23 3/8 X 3 3/4	1000	0.34	12.4
PR13-STD4 16 X 20 X 4	16 X 20 X 4	15 1/2 X 19 1/2 X 3 3/4	1120	0.34	14.6
PR13-STD4 16 X 25 X 4	16 X 25 X 4	15 1/2 X 24 1/2 X 3 3/4	1400	0.34	18.3
PR13-STD4 18 X 24 X 4	18 X 24 X 4	17 3/8 X 23 3/8 X 3 3/4	1500	0.34	19.9
PR13-STD4 20 X 20 X 4	20 X 20 X 4	19 1/2 X 19 1/2 X 3 3/4	1400	0.34	18.8
PR13-STD4 20 X 24 X 4	20 X 24 X 4	19 3/8 X 23 3/8 X 3 3/4	1670	0.34	22.4
PR13-STD4 20 X 25 X 4	20 X 25 X 4	19 1/2 X 24 1/2 X 3 3/4	1750	0.34	23.5
PR13-STD4 24 X 24 X 4	24 X 24 X 4	23 3/8 X 23 3/8 X 3 3/4	2000	0.34	27.4

* = REVERSE PLEAT CONSTRUCTION

1. Puro-green filters have a MERV 13 Performance. All performance data is based on the 52.2-2007 Test Standards. Test data based on 24x24x2 Nominal Size at 492 FPM face velocity.
2. Filters may be installed with the pleats either vertical (preferred) or horizontal.
3. Puro-green filters are classified U.L. Class 2 per U.L. Standard 900.
4. Maximum operating temperature 200°F.

Sustainable Component for a LEED/Green Building Initiative. Meets LEED/Green requirement of MERV 13. (Leadership in Energy and Environment Design) www.usgbc.org



P-PUROGREEN-309



www.purolatorair.com



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Price List No. 200-01
 Effective Date: September 1, 2009

Puro-green

Medium Efficiency Filters

Item No.	Model No.	Nominal Size (Inches) (WxHxD)	List Prices	Package Quantity	Weight Per Carton	Costars Price
5265190570	PR13-STD1	10X10X1	9.94	12	7.8	\$5.67
5265107033	PR13-STD1	10X15X1	9.44	12	3.8	\$5.38
5265121558	PR13-STD1	10X20X1	10.31	12	7.6	\$5.88
5265103353	PR13-STD1	10X24X1	11.17	12	11.2	\$6.37
5265174491	PR13-STD1	12X12X1	10.42	12	10.6	\$5.94
5265103529	PR13-STD1	12X16X1	10.42	12	4.0	\$5.94
5265107077	PR13-STD1	12X20X1	11.56	12	4.8	\$6.59
5265185916	PR13-STD1	12X24X1	12.22	12	9.8	\$6.97
5265180881	PR13-STD1	14X14X1	12.86	12	4.8	\$7.33
5265191909	PR13-STD1	14X20X1	11.31	12	5.0	\$6.45
5265155540	PR13-STD1	14X24X1	14.64	12	6.2	\$8.34
5265180132	PR13-STD1	14X25X1	12.89	12	6.0	\$7.35
5265103362	PR13-STD1	14X30X1	16.44	12	7.0	\$9.37
5265184971	PR13-STD1	15X20X1	12.22	12	5.2	\$6.97
5265125202	PR13-STD1	15X30X1	17.92	12	7.8	\$10.21
5265124474	PR13-STD1	16X16X1	10.00	12	4.8	\$5.70
5265191736	PR13-STD1	16X20X1	12.17	12	5.8	\$6.94
5265103350	PR13-STD1	16X24X1	12.56	12	6.6	\$7.16
5265141177	PR13-STD1	16X25X1	13.94	12	6.8	\$7.95
5265125613	PR13-STD1	16X30X1	18.00	12	8.0	\$10.26
5265179139	PR13-STD1	18X18X1	13.61	12	5.9	\$7.76
5265174262	PR13-STD1	18X20X1	13.67	12	6.2	\$7.79
5265106394	PR13-STD1	18X22X1	14.58	12	6.8	\$8.31
5265122143	PR13-STD1	18X24X1	12.08	12	7.2	\$6.89
5265181621	PR13-STD1	18X25X1	15.89	12	7.6	\$9.06
5265171894	PR13-STD1	20X20X1	12.98	12	6.6	\$7.40
5265171890	PR13-STD1	20X22X1	14.66	12	7.2	\$8.36
5265173278	PR13-STD1	20X24X1	16.00	12	8.8	\$9.12
5265184041	PR13-STD1	20X25X1	16.68	12	8.4	\$9.51
5265103363	PR13-STD1	22X22X1	16.15	12	7.8	\$9.21
5265173261	PR13-STD1	24X24X1	19.22	12	8.8	\$10.96
5265188015	PR13-STD1	24X30X1	24.03	12	9.8	\$13.70
5265124785	PR13-STD1	25X25X1	20.86	12	9.0	\$11.89
5265103361	PR13-STD1	30X20X1	19.99	12	8.8	\$11.39
5265203471	PR13-STD2	10x20x2	15.89	12	8.0	\$9.06
5265227389	PR13-STD2	12x20x2	18.38	12	9.0	\$10.48
5265215199	PR13-STD2	12x24x2	20.42	12	11.0	\$11.64
5265202867	PR13-STD2	14x20x2	19.63	12	11.0	\$11.19
5265202869	PR13-STD2	14x25x2	23.31	12	14.0	\$13.29
5265206086	PR13-STD2	15x20x2	20.68	12	11.5	\$11.79
5265288666	PR13-STD2	16x20x2	21.14	12	12.5	\$12.05
5265292811	PR13-STD2	16X24X2	23.77	12	13.0	\$13.55
5265280763	PR13-STD2	16x25x2	25.34	12	15.0	\$14.44
5265202871	PR13-STD2	18x20x2	24.09	12	14.0	\$13.73
5265272452	PR13-STD2	18x24x2	27.38	12	15.5	\$15.61
5265206580	PR13-STD2	18x25x2	28.75	12	16.0	\$16.39
5265294343	PR13-STD2	20x20x2	25.08	12	15.0	\$14.30
5265292693	PR13-STD2	20x24x2	29.87	12	16.5	\$17.03
5265202817	PR13-STD2	20x25x2	29.94	12	17.0	\$17.07
5265207270	PR13-STD2	20x30x2	40.18	12	12.5	\$22.90
5265283450	PR13-STD2	24x24x2	34.73	12	19.0	\$19.80
5265286732	PR13-STD2	25x25x2	39.26	12	21.5	\$22.38
5265421396	PR13-STD4	12x24x4	27.47	6	21.6	\$15.66
5265484026	PR13-STD4	16x20x4	30.48	6	21.7	\$17.37
5265421600	PR13-STD4	16x25x4	35.32	6	21.8	\$20.13
5265403275	PR13-STD4	18x24x4	37.76	6	21.9	\$21.52
5265492513	PR13-STD4	20x20x4	36.07	6	21.10	\$20.56
5265403276	PR13-STD4	20x24x4	41.54	6	21.11	\$23.68
5265407463	PR13-STD4	20x25x4	42.06	6	21.12	\$23.97
5265455222	PR13-STD4	24x24x4	47.78	6	21.13	\$27.23



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Price List No. 200-02
 Effective Date: November 2, 2009

Puro-green Medium Efficiency Filters

Single Filter Construction

Sg. Area Inches	List Price 1"	List Price 2"	List Price 4"	Costars Price 1"	Costars Price 2"	Costars Price 4"
Less than 50	16.17	19.36	24.50	\$9.22	\$11.04	\$13.97
50-99	17.28	21.83	25.75	\$9.85	\$12.44	\$14.68
100-149	18.69	24.56	29.14	\$10.65	\$14.00	\$16.61
150-199	19.69	26.67	32.17	\$11.22	\$15.20	\$18.34
200-249	20.56	28.33	36.22	\$11.72	\$16.15	\$20.65
250-299	22.42	31.89	41.61	\$12.78	\$18.18	\$23.72
300-349	22.33	38.42	42.67	\$12.73	\$21.90	\$24.32
350-399	25.06	40.67	46.06	\$14.28	\$23.18	\$26.25
400-449	25.86	42.72	47.22	\$14.74	\$24.35	\$26.92
450-499	27.89	45.42	51.11	\$15.90	\$25.89	\$29.13
500-549	29.64	45.42	54.00	\$16.89	\$25.89	\$30.78
550-599	29.94	46.53	55.61	\$17.07	\$26.52	\$31.70
600-649	30.44	48.06	57.22	\$17.35	\$27.39	\$32.62
650-699	30.86	49.08	58.83	\$17.59	\$27.98	\$33.53
700-731	31.31	50.08	60.44	\$17.85	\$28.55	\$34.45

Double Filter Construction

Less than 200	35.25	47.39	59.24	\$20.09	\$27.01	\$33.77
200-299	36.92	51.11	63.89	\$21.04	\$29.13	\$36.42
300-399	38.28	59.00	73.75	\$21.82	\$33.63	\$42.04
400-499	43.89	68.83	86.03	\$25.02	\$39.23	\$49.04
500-599	46.00	71.89	89.86	\$26.22	\$40.98	\$51.22
600-699	46.11	68.53	91.33	\$26.28	\$39.06	\$52.06
700-799	52.67	79.11	93.83	\$30.02	\$45.09	\$53.48
800-899	53.64	81.61	101.00	\$30.57	\$46.52	\$57.57
900-999	54.00	83.94	105.50	\$30.78	\$47.85	\$60.14
1000-1099	55.61	85.61	109.81	\$31.70	\$48.80	\$62.59
1100-1199	56.86	91.56	114.19	\$32.41	\$52.19	\$65.09
1200-1299	57.78	93.72	117.42	\$32.93	\$53.42	\$66.93



SERVA-PAK™

*Extended Surface
High Capacity Bag Filter*



*Unique Stitch Configuration For Superior Air
Flow And Uniform Media Separation:*

- High Density Glass Microfibers In Class 2 Configuration
- Up To MERV 14 Performance
- Corrosion-Resistant Galvanized Header
- Rigid Internal Support

SERVA-PAK™

Extended Surface
High Capacity Bag Filter

Purolator's SERVA-PAK is an extended surface high capacity air filter composed of individual dust holding pockets assembled in a metal support frame. A special multi-row stitching process performed on layers of ultra-fine glass bonded to a non-woven backing produces uniform spacing between each pocket, and provides optimum media performance while extending filter life.

Each pocket is bonded and sealed to its own J-channel support frame, which is mechanically fastened to a heavy duty, corrosion resistant, galvanized enclosure frame. This design creates a rigid, air tight construction with a minimum of 85% open face area.

The SERVA-PAK is available in a variety of filter efficiencies, face sizes, depth and capacity combinations to accommodate most system requirements: limited fan static, high concentration of contaminants, limited filter bank face area, etc. Appropriate product selection will maximize performance. (Refer to the performance data section for full listing of sizes and efficiency data.)

Fire-Resistant Construction

All SERVA-PAK filters are Class 2 listed by Underwriters Laboratories, Inc. Testing is performed in accordance with ASHRAE 52.1 and 52.2 and UL Standard 900.

Header Frame Construction

The corrosion resistant, galvanized header frame is designed with interlocking mitered corners to create rigid internal support. To maximize SERVA-PAK performance the header is constructed to prevent air leakage by eliminating metal-to-metal contact points between individual components. During assembly, each fiberglass-to-metal contact point is glued to prevent air bypass between mechanically fastened pockets. A unique process of fastening adjacent J-channel frames prevents media damage during assembly and shipment.

Four Standard Sizes

The SERVA-PAK filter is offered in four standard filter face sizes, making it adaptable to a variety of frame and track systems. These nominal filter sizes are: 12 x 24", 20 x 20", 20 x 24", and 24 x 24".

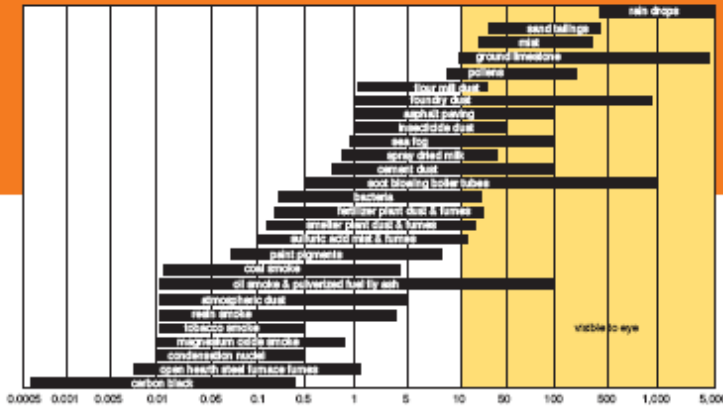
Multiple Capacities and Depths

The variety of SERVA-PAK filter sizes and efficiency options allows you to match the proper filter with virtually any application. With 24 depth and capacity combinations to choose from, most system conditions, including limited fan static, high concentration of contaminants, and limited filter bank face area, can be accommodated.

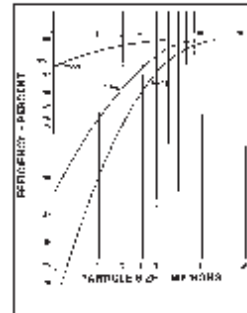
Frame Features

The SERVA-PAK header is manufactured from corrosion-resistant, galvanized metal. The frame features rigid internal support for the filter, and interlocking mitered corners.





Efficiency curve



Suggested Product Specifications

Air filters shall be replaceable, factory assembled filters consisting of multiple dust holding pockets assembled in a corrosion-resistant galvanized steel frame.

Filter media shall be of high density ultra-fine glass microfiber formed into a .25" thick filter blanket and reinforced by an integral scrim backing. The filter shall have an average efficiency of ___% and an average arrestance of not less than ___% when tested in accordance with ASHRAE std. 52.1-1992.

A multi-row stitching process shall produce individual self-supporting dust holding pockets to achieve uniform media spacing thereby extending filter life and optimizing performance. The multiple rows of stitching shall be sealed with a hot-melt adhesive. Dust holding pockets shall be bonded to their own metal support frame and assembled into a heavy gauge galvanized steel enclosure frame. Side-by-side pockets shall be mechanically fastened to the adjacent frames using a non-piercing clinch. The open area of the filter shall be greater than 85% of the total face area.

The filter shall be rated Class 2 by Underwriters Laboratories, Inc. Each filter shall have a rating of _____ CFM at an initial resistance not to exceed _____ inches w.g. Each filter shall have no less than _____ sq. ft. of media area.

Performance Data: SERVA-PAK 40

Nominal size WxHxD	# of pockets	Media area sq. ft.	media no.	CFM capacity			Resist. in. W.G.		
				low	med	high	low	med	high
24x24x12	6	27	SP40G6 4412	1000	1500	2000	.06	.10	.16
20x24x12	5	24	SP40G5 0412	850	1250	1600	.08	.10	.15
20x20x12	5	22	SP40G5 0012	775	1000	1500	.07	.11	.19
12x24x12	3	13	SP40G3 2412	500	750	1000	.07	.11	.18
24x24x21	6	46	SP40G6 4421	2000	2500	3000	.14	.20	.28
20x24x21	5	41	SP40G5 0421	1600	2000	2500	.13	.20	.28
20x20x21	5	39	SP40G5 0021	1500	1750	2000	.17	.22	.28
12x24x21	3	23	SP40G3 2421	1000	1250	1500	.14	.22	.32

Media efficiency

Series Rating	Media Color	Average Efficiency	Thickness	Average Arrestance	MERV
40%	yellow	35-40%	.15	95%	--
50%	tan	45-50%	.25	96%	--
65%	orange	60-65%	.25	97%	11
85%	red	80-85%	.25	98%	12
95%	yellow	90-95%	.25	99%	15

Performance Data: SERVA-PAK 50

Nominal size WxHxD	# of pockets	Media area sq. ft.	media no.	CFM capacity			Resist. in. W.G.		
				low	med	high	low	med	high
24x24x10	6	22	SP5006 4410	800	1200	1600	.08	.12	.18
20x24x10	5	18	SP5005 0410	650	1000	1250	.08	.14	.18
20x20x10	5	15	SP5005 0010	575	900	1050	.08	.14	.20
12x24x10	3	10	SP5003 2410	400	600	800	.08	.13	.20
24x24x15	6	33	SP5006 4415	1000	1500	2000	.06	.10	.16
20x24x15	5	28	SP5005 0415	750	1250	1500	.06	.13	.18
20x20x15	5	24	SP5005 0015	625	1150	1300	.06	.13	.16
12x24x15	3	16	SP5003 2415	500	750	1000	.06	.14	.20
24x24x18	6	40	SP5006 4418	1500	2000	2500	.10	.16	.24
20x24x18	5	33	SP5005 0418	1250	1600	2000	.10	.16	.24
20x20x18	5	28	SP5005 0018	1150	1500	1750	.12	.17	.22
12x24x18	3	20	SP5003 2418	750	1000	1250	.11	.18	.27
24x24x22	6	49	SP5006 4422	2000	2500	3000	.17	.24	.34
20x24x22	5	41	SP5005 0422	1600	2000	2500	.16	.24	.34
20x20x22	5	35	SP5005 0022	1500	1750	2000	.17	.22	.28
12x24x22	3	25	SP5003 2422	1000	1250	1500	.18	.26	.37

NOTES:

- Filter face sizes: Nominal 24"x 24" = 23-5/16"x 23-5/16" Actual
Nominal 20"x 24" = 19-5/16"x 23-5/16" Actual
Nominal 20"x 20" = 19-5/16"x 19-5/16" Actual
Nominal 12"x 24" = 11-5/16"x 23-5/16" Actual.
- All performance data based on ASHRAE standard 52.1.
Performance tolerances conform to section 7.4 of ARI Standard 850-93.
- Filters operate satisfactorily in the CFM range shown.

SERVA-PAK™

Extended Surface High Capacity Bag Filter

Performance Data: SERVA-PAK 65/85/95

Nominal size Width	# of pockets	Media area sq. ft.	CFM capacity			65% Resist. in. W.G.			85% Resist. in. W.G.			95% Resist. in. W.G.					
			low	med	high	model no.	low	med	high	model no.	low	med	high	model no.	low	med	high
24x24x15	12	61	1000	1500	2000	SP6512 4415	.16	.32	.54	SP8512 4415	.22	.39	.61	SP9512 4415	.38	.69	.82
20x24x15	10	51	800	1250	1600	SP6510 0415	.08	.16	.25	SP8510 0415	.18	.31	.44	SP9510 0415	.33	.55	.75
12x24x15	6	30	500	750	1000	SP6506 2415	.14	.28	.38	SP8506 2415	.20	.28	.44	SP9506 2415	.43	.54	.80
24x24x6	10	120	2000	2500	-	SP6510 4436	.19	.30	-	SP8510 4436	.32	.46	-	SP9510 4436	.46	.67	-
20x24x6	8	96	1600	2000	-	SP6508 0436	.19	.28	-	SP8508 0436	.29	.41	-	SP9508 0436	.33	.46	-
12x24x6	5	60	1000	1250	-	SP6505 2436	.22	.32	-	SP8505 2436	.34	.50	-	SP9505 2436	.48	.70	-
24x24x90	10	99	1500	2000	2500	SP6510 4430	.12	.19	.29	SP8510 4430	.20	.34	.50	SP9510 4430	.32	.50	.70
20x24x90	8	79	1200	1600	2000	SP6508 0430	.11	.18	.26	SP8508 0430	.16	.24	.34	SP9508 0430	.32	.47	.63
12x24x90	5	50	750	1000	1250	SP6505 2430	.13	.21	.32	SP8505 2430	.24	.37	.54	SP9505 2430	.34	.50	.70
24x24x22	10	76	1000	1500	2000	SP6510 4422	.06	.12	.20	SP8510 4422	.14	.22	.38	SP9510 4422	.25	.40	.58
20x24x22	8	61	800	1200	1600	SP6508 0422	.06	.10	.18	SP8508 0422	.13	.21	.31	SP9508 0422	.24	.36	.51
12x24x22	5	38	500	750	1000	SP6505 2422	.09	.14	.25	SP8505 2422	.15	.20	.42	SP9505 2422	.33	.38	.52
24x24x7	9	117	2000	2500	-	SP6509 4437	.19	.30	-	SP8509 4437	.30	.44	-	SP9509 4437	.48	.68	-
24x24x90	9	87	1500	2000	2500	SP6509 4430	.12	.20	.31	SP8509 4430	.24	.37	.53	SP9509 4430	.34	.52	.73
24x24x22	9	69	1000	1500	2000	SP6509 4422	.07	.14	.22	SP8509 4422	.16	.28	.42	SP9509 4422	.28	.45	.62
24x24x6	8	100	1500	2000	2500	SP6508 4436	.12	.20	.30	SP8508 4436	.19	.30	.42	SP9508 4436	.30	.45	.62
20x24x6	6	75	1200	1600	2000	SP6506 0436	.09	.14	.21	SP8506 0436	.15	.22	.31	SP9506 0436	.30	.40	.54
12x24x6	4	50	750	1000	1250	SP6504 2436	.14	.22	.33	SP8504 2436	.20	.31	.44	SP9504 2436	.29	.43	.60
24x24x90	8	84	1500	2000	2500	SP6508 4430	.12	.20	.30	SP8508 4430	.22	.34	.50	SP9508 4430	.34	.50	.65
24x24x90	6	63	1200	1600	2000	SP6506 0430	.09	.15	.22	SP8506 0430	.19	.28	.38	SP9506 0430	.27	.39	.51
12x24x90	4	42	750	1000	1250	SP6504 2430	.13	.22	.32	SP8504 2430	.21	.33	.46	SP9504 2430	.42	.61	.83
24x24x22	8	62	1000	1500	2000	SP6508 4422	.07	.13	.21	SP8508 4422	.16	.27	.40	SP9508 4422	.30	.45	.64
20x24x22	6	47	800	1200	1600	SP6506 0422	.05	.09	.15	SP8506 0422	.16	.25	.36	SP9506 0422	.29	.44	.62
12x24x22	4	31	500	750	1000	SP6504 2422	-	.14	.22	SP8504 2422	.16	.28	.40	SP9504 2422	.29	.46	.64
24x24x7	7	94	1500	2000	2500	SP6507 4437	.11	.20	.30	SP8507 4437	.18	.28	.40	SP9507 4437	.30	.44	.60
24x24x90	7	70	1500	2000	2500	SP6507 4430	.11	.19	.28	SP8507 4430	.21	.31	.44	SP9507 4430	.31	.45	.60
24x24x22	7	55	1000	1500	2000	SP6507 4422	.06	.12	.19	SP8507 4422	.18	.30	.44	SP9507 4422	.32	.50	.71
24x24x6	6	78	-	1500	2000	SP6506 4436	-	.11	.20	SP8506 4436	-	.18	.28	SP9506 4436	-	.34	.48
20x24x6	5	65	-	1200	1600	SP6505 0436	-	.12	.19	SP8505 0436	-	.18	.28	SP9505 0436	-	.34	.48
12x24x6	3	39	-	750	1000	SP6503 2436	-	.14	.24	SP8503 2436	-	.20	.32	SP9503 2436	-	.36	.55
20x24x6	5	55	-	1200	1600	SP6505 0036	-	.13	.20	SP8505 0036	-	.24	.35	SP9505 0036	-	.38	.55
24x24x90	6	65	-	1500	2000	SP6506 4430	-	.11	.18	SP8506 4430	-	.24	.36	SP9506 4430	-	.33	.47
20x24x90	5	54	-	1200	1600	SP6505 0430	-	.11	.18	SP8505 0430	-	.22	.32	SP9505 0430	-	.41	.57
12x24x90	3	33	-	750	1000	SP6503 2430	-	.12	.18	SP8503 2430	-	.22	.33	SP9503 2430	-	.34	.50
20x24x90	5	45	-	1200	1600	SP6505 0030	-	.14	.24	SP8505 0030	-	.28	.40	SP9505 0030	-	.48	.66
24x24x22	6	48	1000	1250	1500	SP6506 4422	.07	.10	.13	SP8506 4422	.21	.26	.34	SP9506 4422	.36	.46	.56
20x24x22	5	40	750	1000	1250	SP6505 0422	.06	.10	.13	SP8505 0422	.18	.24	.31	SP9505 0422	.27	.40	.49
12x24x22	3	24	500	625	750	SP6503 2422	.07	.10	.14	SP8503 2422	.20	.26	.32	SP9503 2422	.36	.46	.57
20x24x22	5	34	750	1000	1250	SP6505 0022	.08	.12	.17	SP8505 0022	.21	.30	.39	SP9505 0022	.36	.52	.66

Nominal Size
W x H

Actual Size
W x H

24" x 24"	23-3/8" x 23-3/8"
20" x 24"	19-3/8" x 23 3/8"
20" x 20"	19-3/8" x 19-3/8"
12" x 24"	11-3/8" x 23-3/8"

To calculate Gross media required use the following formula:

Gross media area (sq. foot.) = 2 x [(# of pockets) x (pocket width) x (pocket depth)] + 144

Example: SP95084422 = (2 x [(8 x 25 x 22)]) + 144 = 61.1 Square feet

*Pocket widths: 6- or 7-pocket = 26"; 8- or 9-pocket = 25"; 10-pocket=24.75"; 12-pocket=24"

Nominal and Actual Depths are 11", 19", 22", 26", and 30"

P-SPAK-209



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Price List No.: 301-01
 Effective Date: April 7, 2008

**SERVA-Pak
 High Efficiency Filters
 Bag Media**

40G Series (40-45% efficient, glass media)

Item Number	Nominal size WxHxD	Model number	# of pockets	List Price	Filters per carton	Carton weight, lbs.	Costars filter price
5276402278	12x24x12	SP40G03	3	19.47	8	42.5	11.10
5276402279	20x20x12	SP40G05	5	25.96	4	24.0	14.80
5276402280	20x24x12	SP40G05	5	27.04	4	30.0	15.41
5276402281	24x24x12	SP40G06	6	31.36	4	32.5	17.88
5276402282	12x24x21	SP40G03	3	21.63	8	44.0	12.33
5276402283	20x20x21	SP40G05	5	29.20	4	27.3	16.64
5276402284	20x24x21	SP40G05	5	30.28	4	32.5	17.26
5276402285	24x24x21	SP40G06	6	33.53	4	35.5	19.11

50 Series (50-55% efficient, glass media)

Item Number	Nominal size WxHxD	Model number	# of pockets	List Price	Filters per carton	Carton weight, lbs.	Costars filter price
5276402294	12x24x10	SP5003	3	19.47	8	22.0	11.10
5276402295	20x20x10	SP5005	5	27.04	4	12.5	15.41
5276402296	20x24x10	SP5005	5	28.12	4	14.0	16.03
5276402297	24x24x10	SP5006	6	30.28	4	16.0	17.26
5276402298	12x24x15	SP5003	3	21.63	8	23.5	12.33
5276402299	20x20x15	SP5005	5	29.20	4	13.5	16.64
5276402300	20x24x15	SP5005	5	30.28	4	15.0	17.26
5276402301	24x24x15	SP5006	6	32.45	4	17.0	18.49
5276402302	12x24x18	SP5003	3	23.79	8	24.0	13.56
5276402303	20x20x18	SP5005	5	31.36	4	14.3	17.88
5276402304	20x24x18	SP5005	5	33.53	4	16.5	19.11
5276402305	24x24x18	SP5006	6	35.69	4	18.5	20.34
5276402306	12x24x22	SP5003	3	24.87	8	24.5	14.18
5276402307	20x20x22	SP5005	5	32.45	4	15.3	18.49
5276402308	20x24x22	SP5005	5	34.61	4	17.5	19.73
5276402309	24x24x22	SP5006	6	38.93	4	19.8	22.19



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Price List No.: 301-02
 Effective Date: April 7, 2008

SERVA-PAK
High Efficiency Filters
Bag Media

65% Fiberglass Series

Item Number	Nominal size WxHxD	Model number	# of pockets	List Price	Filters per carton	Carton weight, lbs.	Costars Price
5276490929	24x24x12	SP6512	12	55.16	4	20.5	31.44
5276402310	24x24x15	SP6512	12	57.32	4	21.5	32.67
5276402313	24x24x36	SP6510	10	80.03	4	25.0	45.62
5276402316	24x24x30	SP6510	10	67.05	4	23.0	38.22
5276499026	24x24x26	SP6510	10	62.73	4	22.0	35.75
5276402319	24x24x22	SP6510	10	58.40	4	20.5	33.29
5276430532	24x24x19	SP6510	10	56.24	4	19.5	32.06
5276402322	24x24x37	SP6509	9	74.62	4	23.5	42.54
5276402323	24x24x30	SP6509	9	64.89	4	23.0	36.99
5276402325	24x24x36	SP6508	8	67.05	4	23.0	38.22
5276402328	24x24x30	SP6508	8	60.56	4	20.5	34.52
5276490835	24x24x26	SP6508	8	55.16	4	19.0	31.44
5276402331	24x24x22	SP6508	8	50.83	4	18.5	28.97
5276490832	24x24x19	SP6508	8	48.67	4	17.5	27.74
5276402334	24x24x37	SP6507	7	61.65	4	20.5	35.14
5276402337	24x24x36	SP6506	6	54.08	4	19.5	30.82
5276402341	24x24x30	SP6506	6	48.67	4	17.5	27.74
5276443867	24x24x26	SP6506	6	46.51	4	16.5	26.51
5276402345	24x24x22	SP6506	6	44.34	4	15.5	25.27
5276416977	24x24x19	SP6506	6	42.18	4	14.5	24.04
5276402315	12x24x36	SP6505	5	48.67	8	29.0	27.74
5276402318	12x24x30	SP6505	5	40.02	8	27.0	22.81
5276400035	12x24x26	SP6505	5	43.26	8	25.0	24.66
5276402321	12x24x22	SP6505	5	35.69	8	24.5	20.34
5276497167	12x24x19	SP6505	5	33.53	8	23.5	19.11
5276402327	12x24x36	SP6504	4	41.10	8	29.0	23.43
5276402330	12x24x30	SP6504	4	37.85	8	26.5	21.58
5276402333	12x24x22	SP6504	4	32.45	8	24.0	18.49
5276490619	12x24x19	SP6504	4	30.28	8	23.0	17.26
5276402339	12x24x36	SP6503	3	34.61	8	20.5	19.73
5276402343	12x24x30	SP6503	3	31.36	8	20.0	17.88
5276401411	12x24x26	SP6503	3	29.20	8	19.5	16.64
5276402347	12x24x22	SP6503	3	28.12	8	19.0	16.03
5276418286	12x24x19	SP6503	3	27.04	8	18.5	15.41
5276402338	20x24x36	SP6505	5	49.75	4	16.5	28.36
5276402342	20x24x30	SP6505	5	45.42	4	15.5	25.89
5276402346	20x24x22	SP6505	5	40.02	4	13.5	22.81
5276419033	20x24x19	SP6505	5	37.85	4	12.5	21.58
5276402340	20x20x36	SP6505	5	48.67	4	15.5	27.74
5276402344	20x20x30	SP6505	5	44.34	4	14.5	25.27
5276402348	20x20x22	SP6505	5	38.93	4	12.5	22.19
5276447522	20x20x19	SP6505	5	36.77	4	11.5	20.96



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Price List No.: 301-03
 Effective Date: April 9, 2009

**SERVA-PAK
 Extended Surface Pocket Filters
 Fiberglass - U.L. Class 2**

85% Fiberglass Series

Item No.	Model No.	Nominal Size WxHxD	# of Pockets	List Price	Package Quantity	Weight Per Carton	Costars Price
5276491407	SP8512	24x24x12	12	59.48	4	20.5	33.91
5276402349	SP8512	24x24x15	12	62.73	4	21.5	35.75
5276402352	SP8510	24x24x36	10	94.09	4	25.0	53.63
5276402355	SP8510	24x24x30	10	78.95	4	23.0	45.00
5276491389	SP8510	24x24x26	10	74.62	4	22.0	42.54
5276402358	SP8510	24x24x22	10	69.22	4	20.5	39.45
5276402361	SP8509	24x24x37	9	86.52	4	23.5	49.32
5276402362	SP8509	24x24x30	9	75.71	4	23.0	43.15
5276402364	SP8508	24x24x36	8	75.71	4	23.0	43.15
5276402367	SP8508	24x24x30	8	63.81	4	20.5	36.37
5276491317	SP8508	24x24x26	8	58.40	4	19.0	33.29
5276402370	SP8508	24x24x22	8	54.08	4	18.5	30.82
5276491312	SP8508	24x24x19	8	51.91	4	17.5	29.59
5276402373	SP8507	24x24x37	7	70.30	4	20.5	40.07
5276402374	SP8507	24x24x30	7	61.65	4	19.5	35.14
5276402376	SP8506	24x24x36	6	60.56	4	19.5	34.52
5276402380	SP8506	24x24x30	6	51.91	4	17.5	29.59
5276491209	SP8506	24x24x26	6	49.75	4	16.5	28.36
5276402384	SP8506	24x24x22	6	47.59	4	15.5	27.12
5276444632	SP8506	24x24x19	6	45.42	4	14.5	25.89
5276402354	SP8505	12x24x36	5	55.16	8	29.0	31.44
5276402357	SP8505	12x24x30	5	47.59	8	27.0	27.12
5276402360	SP8505	12x24x22	5	40.02	8	24.5	22.81
5276454602	SP8505	12x24x19	5	37.85	8	23.5	21.58
5276402366	SP8504	12x24x36	4	44.34	8	29.0	25.27
5276402369	SP8504	12x24x30	4	42.18	8	26.5	24.04
5276495173	SP8504	12x24x26	4	40.02	8	25.0	22.81
5276402372	SP8504	12x24x22	4	36.77	8	24.0	20.96
5276402378	SP8503	12x24x36	3	37.85	8	20.5	21.58
5276402382	SP8503	12x24x30	3	34.61	8	20.0	19.73
5276402386	SP8503	12x24x22	3	30.28	8	19.0	17.26
5276415432	SP8503	12x24x19	3	29.20	8	18.5	16.64
5276402377	SP8505	20x24x36	5	57.32	4	16.5	32.67
5276402381	SP8505	20x24x30	5	52.99	4	15.5	30.21
5276420686	SP8505	20x24x26	5	48.67	4	14.5	27.74
5276402385	SP8505	20x24x22	5	45.42	4	13.5	25.89
5276444631	SP8505	20x24x19	5	43.26	4	12.5	24.66
5276402379	SP8505	20x20x36	5	54.08	4	15.5	30.82
5276402383	SP8505	20x20x30	5	48.67	4	14.5	27.74
5276402387	SP8505	20x20x22	5	43.26	4	12.5	24.66
5276443448	SP8505	20x20x19	5	41.10	4	11.5	23.43



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Price List No.: 301-04
 Effective Date: April 7, 2008

**SERVA-Pak
 High Efficiency Filters
 Bag Media**

95% Fiberglass Series

Item Number	Nominal size WxHxD	Model number	# of pockets	List Price	Filters per carton	Carton weight, lbs.	Costars Price
5276492090	24x24x12	SP9512	12	68.14	4	20.5	38.84
5276402388	24x24x15	SP9512	12	70.30	4	21.5	40.07
5276402391	24x24x36	SP9510	10	102.74	4	25.0	58.56
5276402394	24x24x30	SP9510	10	88.68	4	23.0	50.55
5276492053	24x24x26	SP9510	10	81.11	4	22.0	46.23
5276402397	24x24x22	SP9510	10	72.46	4	20.5	41.30
5276403860	24x24x19	SP9510	10	69.22	4	19.5	39.45
5276402400	24x24x37	SP9509	9	98.42	4	23.5	56.10
5276402401	24x24x30	SP9509	9	84.36	4	23.0	48.08
5276402403	24x24x36	SP9508	8	87.60	4	23.0	49.93
5276402406	24x24x30	SP9508	8	72.46	4	20.5	41.30
5276491952	24x24x26	SP9508	8	64.89	4	19.0	36.99
5276402409	24x24x22	SP9508	8	60.56	4	18.5	34.52
5276491947	24x24x19	SP9508	8	58.40	4	17.5	33.29
5276402412	24x24x37	SP9507	7	82.20	4	20.5	46.85
5276402413	24x24x30	SP9507	7	71.38	4	19.5	40.69
5276402415	24x24x36	SP9506	6	69.22	4	19.5	39.45
5276402419	24x24x30	SP9506	6	59.48	4	17.5	33.91
5276491814	24x24x26	SP9506	6	56.24	4	16.5	32.06
5276402423	24x24x22	SP9506	6	52.99	4	15.5	30.21
5276491809	24x24x19	SP9506	6	50.83	4	14.5	28.97
5276402393	12x24x36	SP9505	5	60.56	8	29.0	34.52
5276402396	12x24x30	SP9505	5	52.99	8	27.0	30.21
5276457254	12x24x26	SP9505	5	48.67	8	25.0	27.74
5276402399	12x24x22	SP9505	5	44.34	8	24.5	25.27
5276417149	12x24x19	SP9505	5	42.18	8	23.5	24.04
5276402405	12x24x36	SP9504	4	52.99	8	29.0	30.21
5276402408	12x24x30	SP9504	4	45.42	8	26.5	25.89
5276402411	12x24x22	SP9504	4	38.93	8	24.0	22.19
5276400107	12x24x19	SP9504	4	36.77	8	23.0	20.96
5276402417	12x24x36	SP9503	3	43.26	8	20.5	24.66
5276402421	12x24x30	SP9503	3	37.85	8	20.0	21.58
5276402425	12x24x22	SP9503	3	33.53	8	19.0	19.11
5276491535	12x24x19	SP9503	3	32.45	8	18.5	18.49
5276402416	20x24x36	SP9505	5	63.81	4	16.5	36.37
5276402420	20x24x30	SP9505	5	57.32	4	15.5	32.67
5276402424	20x24x22	SP9505	5	49.75	4	13.5	28.36
5276408564	20x24x19	SP9505	5	47.59	4	12.5	27.12
5276402418	20x20x36	SP9505	5	62.73	4	15.5	35.75
5276402422	20x20x30	SP9505	5	55.16	4	14.5	31.44
5276402426	20x20x22	SP9505	5	48.67	4	12.5	27.74
5276410970	20x20x19	SP9505	5	46.51	4	11.5	26.51



SERVA-PAK™ S

Synthetic Bag Filters



Unique Stitch Configuration For Superior Air Flow And Uniform Media Separation:

- High Density Synthetic Microfibers In Class 2 Configuration
- MERV 10 to MERV 14 Performance
- Corrosion-Resistant Galvanized Header
- Rigid Internal Support

SERVA-PAK™ S

Synthetic Bag Filters

In an effort to respond to the increasing synthetic media requirements in the air filtration industry, Purolator offers the SERVA-PAK S extended surface bag type filter. Highlighted below are design and function characteristics which make the SERVA-PAK S stand out from its competitors.

Applications

Purolator's SERVA-PAK S synthetic bag air filter provides medium to high efficiency air filtration capability for a number of distinct applications. It is specifically designed for situations requiring strict adherence to filter media specifications, such as pharmaceutical, food processing, health care, and paint spray booth applications.

The SERVA-PAK S filter can also be incorporated into industrial applications where high static pressure conditions exist. Its durable design and construction features allow the SERVA-PAK S to perform at elevated air flow rates and endure turbulent conditions.

Filter Construction

Each SERVA-PAK S filter provides extended surface filtration efficiency through media formed into individual dust-holding pockets. These pockets are created by a multi-row stitching process which promotes uniform spacing between each pocket, ensuring optimum dirty-air-to-media contact.

In addition, each pocket is bonded and sealed to its own J-channel support frame, which is fastened mechanically to a heavy duty, corrosion resistant, 28-gauge galvanized enclosure frame.

Dual Stage Media

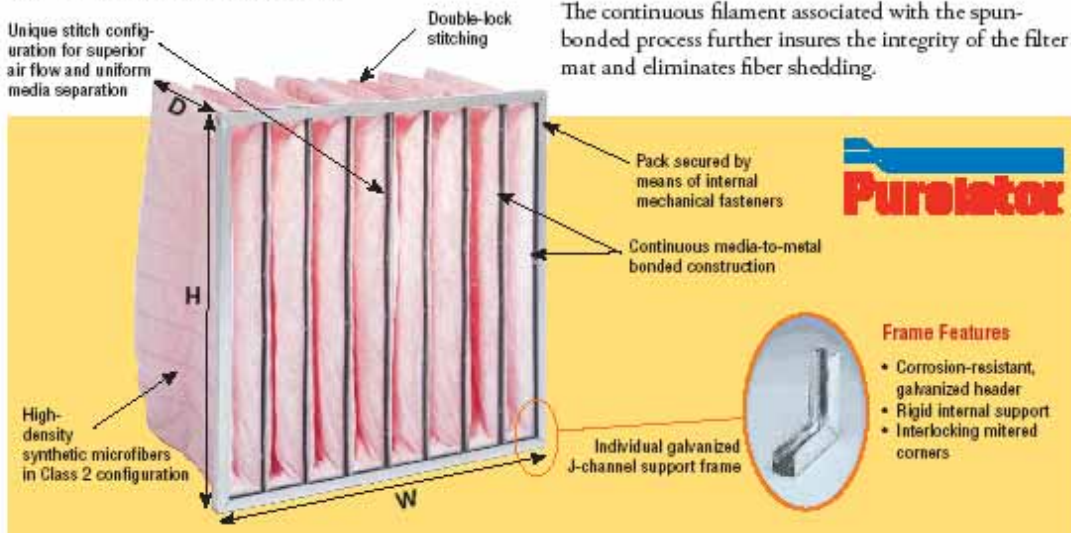
Purolator uses a dual stage media in each SERVA-PAK S filter. The first stage media is a prefilter consisting of coarse polyester fibers designed to arrest larger particulate in the airstream and enhance dirt loading capacity. The second stage media is a layer of microfibrine polypropylene fibers, spun-bonded and fastened to a polypropylene backing which captures the remaining smaller particles. This dual stage media configuration increases the overall efficiency and dust-holding capacity of the SERVA-PAK S filter.

For industrial/commercial applications where upgrading from a microfiberglass product is recommended, the SERVA-PAK S will provide the following advantages:

- Increased initial efficiency
- Decreased initial resistance

It is also important to note that synthetic fibers are inherently stronger than microfiberglass fibers, decreasing the chance of media damage from handling or moisture. Also, the synthetic fibers are more resistant to the shearing stresses encountered at high air flow rates.

The continuous filament associated with the spun-bonded process further insures the integrity of the filter mat and eliminates fiber shedding.



Underwriters Laboratory Approved

The Purolator SERVA-PAK S filter is UL Class II listed by Underwriters Laboratories, Inc. Testing is performed in accordance with UL Standard 900.

Suggested Product Specifications

Air filters shall be replaceable, factory assembled filters consisting of multiple dust holding pockets assembled in a corrosion-resistant galvanized steel frame.

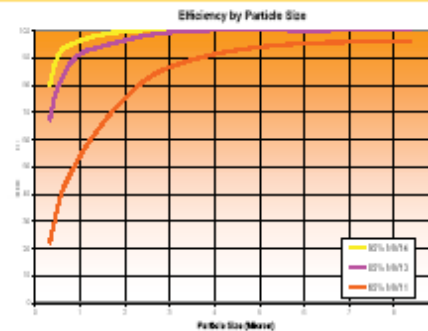
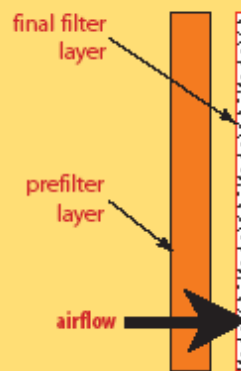
Filter media shall be of dual-stage, 100% synthetic fibers formed into a filter blanket and reinforced by an integral polypropylene backing. The filter shall have a minimum MERV performance of _____ when tested in accordance with ASHRAE 52.2.

A multi-row stitching process shall produce individual self-supporting dust holding pockets to achieve uniform media spacing thereby extending filter life and optimizing performance. The multiple rows of stitching shall be sealed with a hot-melt adhesive. Dust holding pockets shall be bonded to their own metal support frame and assembled into a heavy gauge galvanized steel enclosure frame. Side-by-side pockets shall be mechanically fastened to the adjacent frames using a non-piercing clinch. The open area of the filter shall be greater than 85% of the total face area.

The filter shall be rated Class 2 by Underwriters Laboratories, Inc. Each filter shall have a rating of _____ CFM at an initial resistance not to exceed _____ inches w.g. Each filter shall have no less than _____ sq. ft. of media area.

The SERVA-PAK S Advantage: Dual Stage Media for Twice the Filtration

The media consists of two layers of high loft meltblown polypropylene fiber media with a spunbound synthetic scrim backing.



Media Efficiency

SERVA-PAK S Series	Efficiency Rating	Media Color	Average Efficiency	Average Arrestance	MERV
SP50S	50%	White	50-55%	95%	10
SP65S	65%	Orange	60-65%	97%	11
SP85S	85%	Pink	80-85%	98%	13
SP95S	95%	Yellow	90-95%	99%	14

Standard Models

(24x24 Sizes - Number of Pockets)

Header Size	Sizes (W x H)	Number of Pockets (3-12)
A	24x24	5-12
B	12x24	3-5
C	24x20	5-12
D	20x24	5-9
E	24x20	5-12
F	20x20	4-9
G	16x20	3-7
H	20x16	4-9
J	16x25	4-7
K	25x16	5-12
L	20x25	5-9
M	25x20	5-12

Min Depth: 10" Max Depth: 36"

SERVA-PAK™ S

Synthetic Bag Filters

Performance Data: SERVA-PAK 50-S

Series Type 50S: 50-55% ASHRAE efficient

Nominal size WxHxD	Actual size WxHxD	# of pockets	Media area sq. ft.	model no.	CFM capacity			Resist. in. W.G.		
					low	med	high	low	med	high
24x24x11	23-3/8x23-3/8x11	6	24	SP50S06	1200	1500	2000	.10	.14	.21
20x24x11	19-3/8x23-3/8x11	5	20	SP50S05	1250	1600	2000	.14	.21	.29
20x20x11	19-3/8x19-3/8x11	5	17	SP50S05	1150	1500	1750	.17	.25	.32
12x24x11	11-3/8x23-3/8x11	3	12	SP50S03	1750	1000	1200	.13	.20	.29
24x24x19	23-3/8x23-3/8x19	6	42	SP50S06	1200	1500	2000	.08	.10	.14
20x24x19	19-3/8x23-3/8x19	5	35	SP50S05	1600	2000	2500	.13	.20	.30
20x20x19	19-3/8x19-3/8x19	5	30	SP50S05	1500	1750	2000	.18	.23	.30
12x24x19	11-3/8x23-3/8x19	3	21	SP50S03	1000	1200	1500	.16	.23	.33

Performance Data: SERVA-PAK 65S/85S/95S

Nominal size WxHxD	# of pockets	Media area sq. ft.	CFM capacity			65S Resist. in. W.G.			85S Resist. in. W.G.			95S Resist. in. W.G.					
			low	med	high	model no.	low	med	high	model no.	low	med	high	model no.	low	med	high
24x24x22	8	62	1000	1500	2000	SP65S08	.09	.25	.21	SP85S08	.12	.20	.30	SP95S08	.16	.26	.38
24x24x22	6	48	800	1250	1500	SP65S06	.07	.13	.16	SP85S06	.12	.20	.24	SP95S06	.15	.26	.34
20x24x22	5	40	750	1000	1250	SP65S05	.09	.15	.21	SP85S05	.12	.20	.30	SP95S05	.16	.26	.38
20x20x22	5	33	-	750	1000	SP65S05	.09	.15	.21	SP85S05	.12	.20	.30	SP95S05	.16	.26	.38
12x24x22	4	31	500	750	1000	SP65S04	.09	.15	.21	SP85S04	.12	.20	.30	SP95S04	.16	.26	.38
12x24x22	3	24	500	625	750	SP65S03	.07	.13	.16	SP85S03	.12	.20	.24	SP95S03	.15	.26	.34
24x24x26	8	73	1000	1500	2000	SP65S08	.08	.14	.23	SP85S08	.14	.23	.34	SP95S08	.16	.27	.39
24x24x26	6	56	1000	1500	2000	SP65S06	.06	.12	.20	SP85S06	.18	.26	.39	SP95S06	.16	.26	.38
20x24x26	5	47	800	1200	1600	SP65S05	.08	.14	.23	SP85S05	.14	.23	.34	SP95S05	.16	.27	.39
20x20x26	5	39	800	1200	1600	SP65S05	.08	.14	.23	SP85S05	.14	.23	.34	SP95S05	.16	.27	.39
12x24x26	4	33	750	1000	1250	SP65S04	.08	.14	.23	SP85S04	.14	.23	.34	SP95S04	.16	.27	.39
12x24x26	3	28	-	750	1000	SP65S03	.06	.12	.20	SP85S03	.18	.26	.39	SP95S03	.16	.26	.38
24x24x30	10	107	1500	2000	2500	SP65S10	.15	.28	.38	SP85S10	.24	.38	.50	SP95S10	.28	.40	.52
24x24x30	8	84	1500	2000	2500	SP65S08	.09	.15	.24	SP85S08	.18	.32	.43	SP95S08	.20	.31	.45
24x24x30	6	65	-	1500	2000	SP65S06	.10	.18	.28	SP85S06	.15	.25	.38	SP95S06	.17	.26	.39
20x24x30	5	54	-	1200	1600	SP65S05	.09	.15	.24	SP85S05	.18	.32	.43	SP95S05	.20	.31	.45
20x20x30	5	45	-	1200	1600	SP65S05	.09	.15	.24	SP85S05	.18	.32	.43	SP95S05	.20	.31	.45
12x24x30	4	42	750	1000	1200	SP65S04	.09	.15	.24	SP85S04	.18	.32	.43	SP95S04	.20	.31	.45
12x24x30	3	33	-	750	1000	SP65S03	.10	.18	.28	SP85S03	.15	.25	.38	SP95S03	.17	.26	.39
24x24x36	8	106	1500	2000	2500	SP65S08	.09	.25	.34	SP85S08	.18	.32	.43	SP95S08	.20	.34	.45

Nominal Size W x H	Actual Size W x H
24" x 24"	23-3/8" x 23-3/8"
20" x 24"	19-3/8" x 23 3/8"
20" x 20"	19-3/8" x 19-3/8"
12" x 24"	11-3/8" x 23-3/8"

Full product description is:
Model Number followed by the Size
Example: SP95S08 24x24x30

To calculate Gross media required use the following formula:
Gross media area (sq. foot) = (2 x [(# of pockets) x (pocket width) x (pocket depth)]) + 144
Example: SP95S08442 = (2 x [(8 x 25 x 22)]) + 144 = 61.1 Square feet
*Pocket widths: 6- or 7-pocket = 26"; 8- or 9-pocket = 25"; 10-pocket=24.75"; 12-pocket=24"

Nominal and Actual Depths are 11", 19", 22", 26", and 30"

P-SPAKS-709



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Price List No.: 302-01
 Effective Date: April 7, 2008

SERVA-Pak S
High Efficiency Filters
Bag Media

50S Series (50-55% efficient, synthetic media)

Item Number	Nominal size WxHxD	Model number	# of pockets	List Price	Filters per carton	Carton weight, lbs	Costars Price
5276416324	12x24x10	SP50S03	3	18.39	8	22.0	10.48
5276416326	20x20x10	SP50S05	5	25.96	4	12.5	14.80
5276416330	24x24x10	SP50S06	6	29.20	4	16.0	16.64
5276400005	12x24x11	SP50S03	3	19.47	8	24.0	11.10
5276400007	20x20x11	SP50S05	5	27.04	4	14.5	15.41
5276458647	20x24x11	SP50S05	5	28.12	4	16.5	16.03
5276400131	24x24x11	SP50S06	6	30.28	4	18.0	17.26
5276416325	12x24x15	SP50S03	3	20.55	8	23.5	11.71
5276416327	20x20x15	SP50S05	5	28.12	4	13.5	16.03
5276416329	20x24x15	SP50S05	5	29.20	4	15.0	16.64
5276422850	24x24x15	SP50S06	6	31.36	4	17.0	17.88
5276416331	12x24x18	SP50S03	3	21.63	8	24.0	12.33
5276416333	20x20x18	SP50S05	5	29.20	4	14.3	16.64
5276449221	20x24x18	SP50S05	5	30.28	4	16.5	17.26
5276416336	24x24x18	SP50S06	6	34.61	4	18.5	19.73
5276400124	12x24x19	SP50S03	3	22.71	8	26.0	12.95
5276461151	20x20x19	SP50S05	5	30.28	4	17.5	17.26
5276400008	20x24x19	SP50S05	5	31.36	4	18.5	17.88
5276424716	24x24x19	SP50S06	6	35.69	4	20.5	20.34
5276316332	12x24x22	SP50S03	3	23.79	8	24.5	13.56
5276416334	20x20x22	SP50S05	5	31.36	4	15.3	17.88
5276316335	20x24x22	SP50S05	5	32.45	4	17.5	18.49
5276424062	24x24x22	SP50S06	6	36.77	4	19.8	20.96



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Price List No.: 302-02
 Effective Date: April 7, 2008

SERVA-Pak S
High Efficiency Filters
Bag Media

65%Synthetic Series

Item Number	Nominal size	Model number	# of pockets	List Price	Filters per carton	Carton weight, lbs.	Costars Price
WxHxD							
5276405233	24x24x12	SP65S12	12	51.91	4	25.5	29.59
5276490577	24x24x15	SP65S12	12	54.08	4	26.5	30.82
5276440323	24x24x36	SP65S10	10	75.71	4	29.5	43.15
5276439115	24x24x30	SP65S10	10	63.81	4	28.5	36.37
5276443318	24x24x26	SP65S10	10	58.40	4	27.5	33.29
5276493455	24x24x22	SP65S10	10	55.16	4	26.5	31.44
5276410809	24x24x19	SP65S10	10	52.99	4	25.5	30.21
5276449960	24x24x37	SP65S09	9	70.30	4	24.5	40.07
5276493815	24x24x36	SP65S08	8	62.73	4	28.5	35.75
5276492264	24x24x30	SP65S08	8	57.32	4	25.5	32.67
5276490574	24x24x26	SP65S08	8	50.83	4	24.5	28.97
5276490573	24x24x22	SP65S08	8	47.59	4	23.5	27.12
5276301214	24x24x19	SP65S08	8	45.42	4	22.5	25.89
5276400814	24x24x36	SP65S06	6	50.83	4	24.5	28.97
5276490568	24x24x30	SP65S06	6	46.51	4	22.5	26.51
5276490567	24x24x26	SP65S06	6	44.34	4	21.5	25.27
5276490565	24x24x22	SP65S06	6	42.18	4	20.5	24.04
5276439215	24x24x19	SP65S06	6	40.02	4	19.5	22.81
5276440322	12x24x36	SP65S05	5	46.51	8	33.0	26.51
5276415219	12x24x30	SP65S05	5	37.85	8	32.0	21.58
5276410263	12x24x22	SP65S05	5	33.53	8	30.0	19.11
5276450623	12x24x19	SP65S05	5	31.36	8	29.0	17.88
5276440705	12x24x36	SP65S04	4	38.93	8	32.0	22.19
5276490557	12x24x30	SP65S04	4	34.61	8	29.5	19.73
5276490556	12x24x26	SP65S04	4	32.45	8	28.5	18.49
5276490555	12x24x22	SP65S04	4	30.28	8	26.5	17.26
5276499567	12x24x19	SP65S04	4	28.12	8	25.5	16.03
5276400813	12x24x36	SP65S03	3	32.45	8	25.5	18.49
5276490554	12x24x30	SP65S03	3	29.20	8	24.5	16.64
5276490553	12x24x26	SP65S03	3	27.04	8	23.5	15.41
5276490552	12x24x22	SP65S03	3	25.96	8	22.5	14.80
5276405776	12x24x19	SP65S03	3	24.87	8	21.5	14.18
5276400144	20x24x36	SP65S05	5	44.34	4	21.0	25.27
5276490563	20x24x30	SP65S05	5	42.18	4	20.0	24.04
5276490562	20x24x26	SP65S05	5	37.85	4	19.0	21.58
5276490561	20x24x22	SP65S05	5	36.77	4	18.0	20.96
5276405777	20x24x19	SP65S05	5	35.69	4	17.0	20.34
5276436521	20x20x36	SP65S05	5	43.26	4	18.5	24.66
5276490560	20x20x30	SP65S05	5	41.10	4	17.5	23.43
5276490559	20x20x26	SP65S05	5	37.85	4	16.5	21.58
5276490558	20x20x22	SP65S05	5	35.69	4	15.5	20.34
5276445150	20x20x19	SP65S05	5	33.53	4	14.5	19.11



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Price List No.: 302-03
 Effective Date: April 7, 2008

SERVA-Pak S
High Efficiency Filters
Bag Media

85% Synthetic Series

Item Number	Nominal size	Model number	# of pockets	List Price	Filters per carton	Carton weight, lbs.	Costars Price
WXFXD							
5276437628	24x24x12	SP85S12	12	56.24	4	25.5	32.06
5276491002	24x24x15	SP85S12	12	58.40	4	26.5	33.29
5276436801	24x24x36	SP85S10	10	90.85	4	29.5	51.78
5276498509	24x24x30	SP85S10	10	75.71	4	28.5	43.15
5276496851	24x24x22	SP85S10	10	65.97	4	26.5	37.60
5276438158	24x24x19	SP85S10	10	61.65	4	25.5	35.14
5276493221	24x24x36	SP85S08	8	73.54	4	28.5	41.92
5276490999	24x24x30	SP85S08	8	60.56	4	25.5	34.52
5276490998	24x24x26	SP85S08	8	54.08	4	24.5	30.82
5276490997	24x24x22	SP85S08	8	50.83	4	23.5	28.97
5276496248	24x24x19	SP85S08	8	47.59	4	22.5	27.12
5276490996	24x24x36	SP85S06	6	57.32	4	24.5	32.67
5276490995	24x24x30	SP85S06	6	48.67	4	22.5	27.74
5276490994	24x24x26	SP85S06	6	46.51	4	21.5	26.51
5276490993	24x24x22	SP85S06	6	44.34	4	20.5	25.27
5276405338	24x24x19	SP85S06	6	42.18	4	19.5	24.04
5276468518	12x24x36	SP85S05	5	52.99	8	33.0	30.21
5276443626	12x24x30	SP85S05	5	45.42	8	32.0	25.89
5276444718	12x24x26	SP85S05	5	41.10	8	31.0	23.43
5276400038	12x24x22	SP85S05	5	37.85	8	30.0	21.58
5276443445	12x24x19	SP85S05	5	35.69	8	29.0	20.34
5276493391	12x24x36	SP85S04	4	42.18	8	32.0	24.04
5276490983	12x24x30	SP85S04	4	38.93	8	29.5	22.19
5276490982	12x24x26	SP85S04	4	35.69	8	28.5	20.34
5276490981	12x24x22	SP85S04	4	34.61	8	26.5	19.73
5276496246	12x24x19	SP85S04	4	32.45	8	25.5	18.49
5276490980	12x24x36	SP85S03	3	35.69	8	25.5	20.34
5276490979	12x24x30	SP85S03	3	32.45	8	24.5	18.49
5276490978	12x24x26	SP85S03	3	30.28	8	23.5	17.26
5276490977	12x24x22	SP85S03	3	29.20	8	22.5	16.64
5276496892	12x24x19	SP85S03	3	28.12	8	21.5	16.03
5276446880	20x24x36	SP85S05	5	49.75	4	21.0	28.36
5276490989	20x24x30	SP85S05	5	47.59	4	20.0	27.12
5276490988	20x24x26	SP85S05	5	44.34	4	19.0	25.27
5276490987	20x24x22	SP85S05	5	42.18	4	18.0	24.04
5276405337	20x24x19	SP85S05	5	40.02	4	17.0	22.81
5276493930	20x20x36	SP85S05	5	48.67	4	18.5	27.74
5276490985	20x20x30	SP85S05	5	45.42	4	17.5	25.89
5276453618	20x20x26	SP85S05	5	41.10	4	16.5	23.43
5276493648	20x20x22	SP85S05	5	40.02	4	15.5	22.81
5276443320	20x20x19	SP85S05	5	37.85	4	14.5	21.58



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Price List No.: 302-04
 Effective Date: April 7, 2008

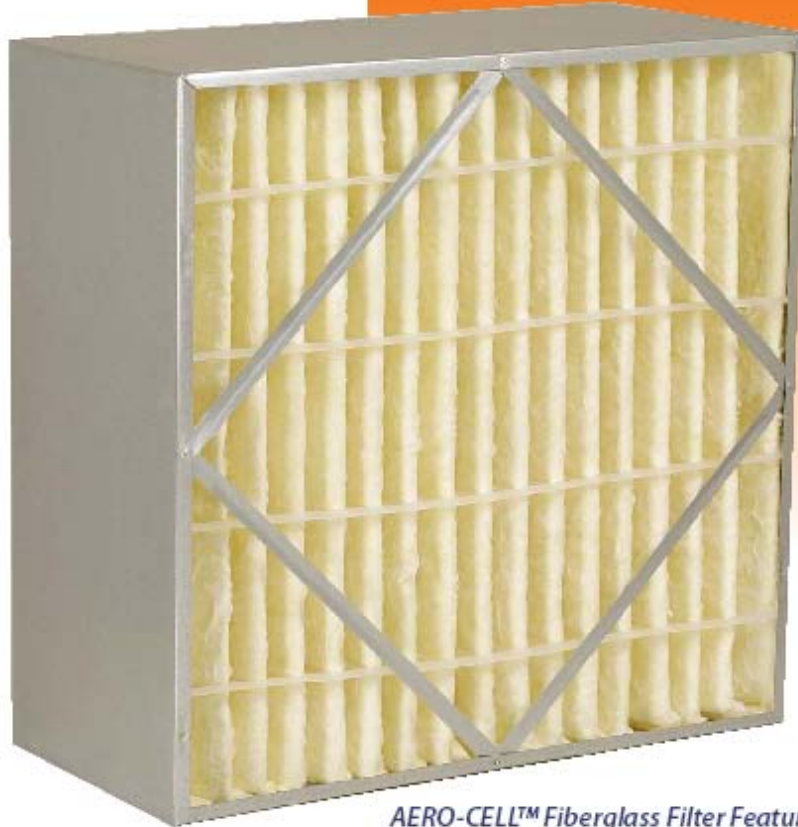
SERVA-Pak S
High Efficiency Filters
Bag Media

95% Synthetic Series

Item Number	Nominal size	Model number	# of pockets	List Price	Filters per carton	Carton weight, lbs.	Costars Price
WxHxD							
5276495825	24x24x12	SP95S12	12	63.81	4	25.5	36.37
5276491510	24x24x15	SP95S12	12	65.97	4	26.5	37.60
5276491509	24x24x36	SP95S10	10	98.42	4	29.5	56.10
5276492299	24x24x30	SP95S10	10	84.36	4	28.5	48.08
5276415515	24x24x26	SP95S10	10	77.87	4	27.5	44.39
5276491508	24x24x22	SP95S10	10	69.22	4	26.5	39.45
5276415619	24x24x19	SP95S10	10	65.97	4	25.5	37.60
5276449502	24x24x37	SP95S09	9	91.93	4	24.5	52.40
5276494930	24x24x36	SP95S08	8	83.28	4	28.5	47.47
5276491505	24x24x30	SP95S08	8	68.14	4	25.5	38.84
5276491504	24x24x26	SP95S08	8	60.56	4	24.5	34.52
5276492248	24x24x22	SP95S08	8	56.24	4	23.5	32.06
5276444473	24x24x19	SP95S08	8	54.08	4	22.5	30.82
5276400079	24x24x37	SP95S07	7	77.87	4	25.5	44.39
5276416960	24x24x30	SP95S07	7	67.05	4	24.5	38.22
5276491500	24x24x36	SP95S06	6	65.97	4	24.5	37.60
5276491499	24x24x30	SP95S06	6	56.24	4	22.5	32.06
5276491498	24x24x26	SP95S06	6	51.91	4	21.5	29.59
5276491497	24x24x22	SP95S06	6	49.75	4	20.5	28.36
5276443450	24x24x19	SP95S06	6	47.59	4	19.5	27.12
5276436353	12x24x36	SP95S05	5	58.40	8	33.0	33.29
5276400200	12x24x30	SP95S05	5	50.83	8	32.0	28.97
5276468441	12x24x26	SP95S05	5	46.51	8	31.0	26.51
5276437445	12x24x22	SP95S05	5	42.18	8	30.0	24.04
5276443449	12x24x19	SP95S05	5	40.02	8	29.0	22.81
5276495654	12x24x36	SP95S04	4	50.83	8	32.0	28.97
5276491485	12x24x30	SP95S04	4	43.26	8	29.5	24.66
5276491484	12x24x26	SP95S04	4	38.93	8	28.5	22.19
5276491483	12x24x22	SP95S04	4	36.77	8	26.5	20.96
5276445447	12x24x19	SP95S04	4	34.61	8	25.5	19.73
5276496426	12x24x36	SP95S03	3	41.10	8	25.5	23.43
5276491482	12x24x30	SP95S03	3	35.69	8	24.5	20.34
5276491481	12x24x26	SP95S03	3	32.45	8	23.5	18.49
5276491480	12x24x22	SP95S03	3	31.36	8	22.5	17.88
5276443968	12x24x19	SP95S03	3	30.28	8	21.5	17.26
5276496427	20x24x36	SP95S05	5	55.16	4	21.0	31.44
5276491493	20x24x30	SP95S05	5	52.99	4	20.0	30.21
5276491492	20x24x26	SP95S05	5	48.67	4	19.0	27.74
5276491491	20x24x22	SP95S05	5	46.51	4	18.0	26.51
5276444027	20x24x19	SP95S05	5	44.34	4	17.0	25.27
5276408158	20x20x36	SP95S05	5	51.91	4	18.5	29.59
5276491489	20x20x30	SP95S05	5	49.75	4	17.5	28.36
5276491488	20x20x26	SP95S05	5	46.51	4	16.5	26.51
5276491487	20x20x22	SP95S05	5	44.34	4	15.5	25.27
5276400077	20x20x19	SP95S05	5	42.18	4	14.5	24.04



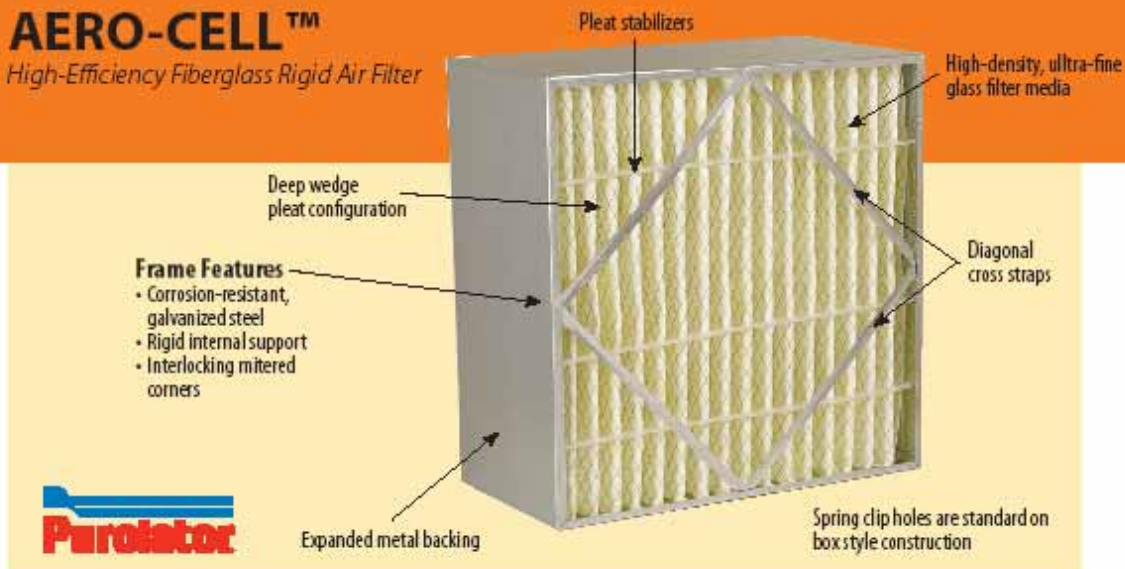
AERO-CELL™
High-Efficiency Fiberglass Rigid Air Filter



- AERO-CELL™ Fiberglass Filter Features:*
- High Density, Ultra-Fine Glass Filter Media
In Class 1 and Class 2 Configurations
 - Up To MERV 14 Performance
 - Corrosion-Resistant Galvanized Steel
 - Rigid Internal Support

AERO-CELL™

High-Efficiency Fiberglass Rigid Air Filter



The AERO-CELL™ is a rigid air filter engineered to provide medium and high-efficiency filtration combined with a prolonged life cycle. Its box filter construction eliminates the need for retainers and special external wire media supports. A high surface area-to-depth ratio provides the maximum amount of effective filter media in areas of minimum in-line duct space. The result: A rigid, stable filter with consistent performance in a variety of operating conditions.

Frame Construction

The AERO-CELL™ perimeter frame is constructed of high strength, corrosion-resistant, galvanized steel. To prevent air bypass, the filter pak is sealed to the frame on all sides. Filter integrity is maintained by pleat stabilizers which are bonded to both the air entry and air exit sides of the pak.

Media and Backing

Each Purolator AERO-CELL™ filter utilizes a high-density filter media composed of ultra-fine glass fibers laminated to reinforced, high-strength nylon backing. The media is continuously bonded to expanded, corrosion-resistant, electro-galvanized steel which allows a 95% open face area.

Fire Resistant Construction

Each AERO-CELL™ filter is constructed to meet Underwriters Laboratories, Inc. requirements for Class 2 air filters. Class 1 model also available where required.

Pleat Configuration

To achieve a maximum dust holding capacity while minimizing pressure loss and replacement frequencies, the AERO-CELL™ incorporates aerodynamically wedge-shaped pleats into its design. The expanded metal backing and stationary pleat spacers allow consistent pleat configuration.

Applications

The AERO-CELL™ is capable of withstanding 7.0" w.g. pressure drops without noticeable media-pak deterioration, and will operate to a final resistance of 1.5" w.g. Available in a variety of filtering efficiencies and sizes, the AERO-CELL™ will satisfy and effectively service most applications.

In Variable Air Volume (VAV) applications, the AERO-CELL™ maintains consistent filtering performance throughout a full range of velocities.

Interchangeable

The AERO-CELL™ filter is designed to be completely interchangeable with all makes and types of medium to high-efficiency rigid cell filters. When used with Purolator conversion filter clips, existing side access and built-up filter banks are easily converted to support the AERO-CELL™.

In high dust concentration applications, the life of an AERO-CELL™ is extended by the use of a prefilter. The Purolator MARK 80-D™ and Hi-E 40™ pleated filters have proven effective in such situations.

Product Specification

Air filters shall be the high-efficiency, deep-pleated, disposable, rigid-cell type. The filter media shall be a high loft blanket composed of randomly oriented ultra-fine glass fibers laminated to a non-woven backing.

Each filter shall have a rated airflow of ____ cfm, and initial resistance not to exceed ____, and a final resistance of ____ w.g. Each filter shall have no less than ____ square feet of media area.

The filter media shall be continuously bonded to a heavy-duty, 28-gauge, corrosion-resistant, electrogalvanized steel, expanded metal grid with an open face area of not less than 95%.

To inhibit dirty air bypass, the media grid assembly shall be bonded to all interior surfaces of the enclosure frame. The support grid shall be formed into a wedge

configuration to optimize usage of the filter media. Pleat spacers shall be permanently installed.

The enclosure frame shall be constructed of corrosion-resistant galvanized steel in such a manner as to produce a rigid, durable filter. The filter shall be the AERO-CELL™ as manufactured by Purolator Air Filtration. Filters shall be listed and rated by Underwriters Laboratories, Inc. as Class 2.

Prefilters

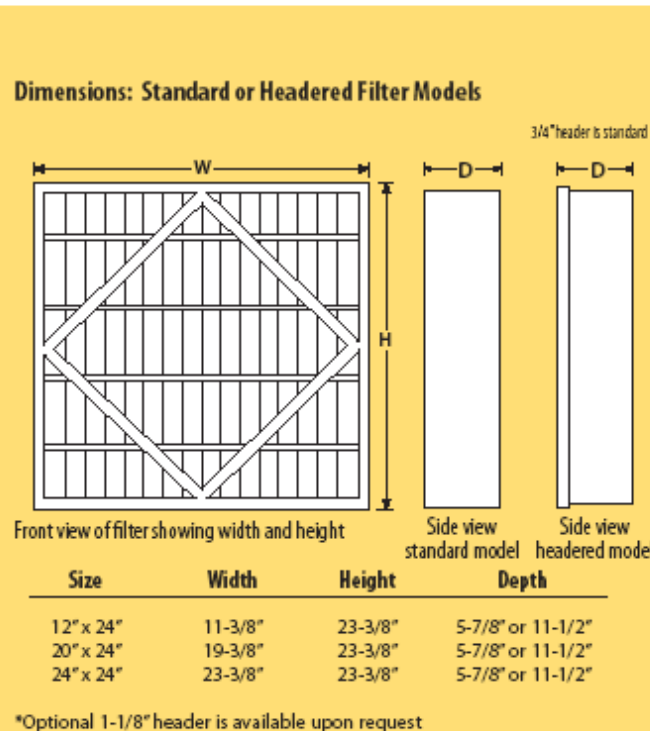
Prefilters shall be the 2" or 4" medium efficiency (25 - 30%) pleated, disposable type, constructed with a non-woven cotton media supported by an expanded metal support backing and enclosed in a heavy duty, high wet strength board frame. The filter shall be the MARK 80-D* or Hi-E 40™ type as manufactured by Purolator Air Filtration.

Holding Frames

Holding frames shall be constructed of heavy duty, 16-gauge galvanized steel with flush-mitered, welded corners. The frame shall be supplied with closed cell eps/polyethyl/butyl gasket secured to the rear seating flanges of the frame. Each frame shall be supplied with positive sealing filter locks. The holding frames shall be the PURO® Frame type manufactured by Purolator Air Filtration.

Side Access Housings

Housing shall be side-servicing from either end through access doors fitted with positive pressure trip lock latches and gasketed inside doors, parallel to the filter track. Housings shall be constructed of heavy duty 16-gauge galvanized steel. The housing shall be equipped with both a 2" prefilter track and a 1" final filter track. Each track shall be constructed of extruded aluminum combined with reinforced nylon pile air seals to create a corrosion-resistant, air-tight seal.



AERO-CELL™

High-Efficiency Fiberglass Rigid Air Filter

Standard Models						Headered Models*		
Series	AERO-CELL™ Model Number	Nominal Size W x H x D	CFM Capacity	Resist in w.g.	Media area Sq. Ft.	AERO-CELL™ Model Number	Resist in w.g.	Media area Sq. Ft.
50%	AC50	24x24x12	2000	.35	58	HAC50	.43	47
	AC50	20x24x12	1700	.35	47	HAC50	.43	40
	AC50	12x24x12	1000	.35	28	HAC50	.43	23
	AC50	24x24x6	1000	.35	30	HAC50	.43	27
	AC50	20x24x6	850	.35	20	HAC50	.43	17
	AC50	12x24x6	500	.35	15	HAC50	.43	13
65%	AC60	24x24x12	2000	.40	58	HAC60	.48	47
	AC60	20x24x12	1700	.40	47	HAC60	.48	40
	AC60	12x24x12	1000	.40	28	HAC60	.48	23
	AC60	24x24x6	1000	.40	30	HAC60	.48	27
	AC60	20x24x6	850	.40	20	HAC60	.48	17
	AC60	12x24x6	500	.40	15	HAC60	.48	13
85%	AC85	24x24x12	2000	.62	58	HAC85	.70	47
	AC85	20x24x12	1700	.62	47	HAC85	.70	40
	AC85	12x24x12	1000	.62	28	HAC85	.70	23
	AC85	24x24x6	1000	.62	30	HAC85	.70	27
	AC85	20x24x6	850	.62	20	HAC85	.70	17
	AC85	12x24x6	500	.62	15	HAC85	.70	13
95%	AC95	24x24x12	2000	.72	58	HAC95	.80	47
	AC95	20x24x12	1700	.72	47	HAC95	.80	40
	AC95	12x24x12	1000	.72	28	HAC95	.80	23
	AC95	24x24x6	1000	.72	30	HAC95	.80	27
	AC95	20x24x6	850	.72	20	HAC95	.80	17
	AC95	12x24x6	500	.72	15	HAC95	.80	13

* Standard Header is 3/4"; a 1-1/8" header is available.
The following non-standard size is available upon request: 20x20x12
Class 1 available where required.

* Filters tested per ASHRAE standard 52.2-2007. Data based on 24x24x12 filters tested at 492 FPM.

Filtering Efficiencies

Model	Average Arrestance	MERV Perf.	Media Color
50	96%	10	Yellow
65	97%	11	Orange
85	98%	13	Pink
95	99%	14	Yellow

P-AERO-1208



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Price List No.: 306-01
 Effective Date: September 1, 2009

**AERO-Cell
 High Efficiency Filters
 Rigid Box Filters**

50% Series MERV 10

Item Number	Nominal size	Model number	List Price	Filters per carton	Carton weight, lbs	Costars Price
	WxHxD					
5360702441	12x24x6	AC50	61.32	1.00	6.0	34.95
5360792296	20x20x6	AC50	74.95	1.00	8.0	42.72
5360702440	20x24x6	AC50	70.41	1.00	8.0	40.13
5360702439	24x24x6	AC50	74.95	1.00	9.0	42.72
5360702444	12x24x6	HAC50	64.73	1.00	6.0	36.90
5360702443	20x24x6	HAC50	72.68	1.00	8.0	41.43
5360702442	24x24x6	HAC50	77.22	1.00	9.0	44.02
5360702447	12x24x12	AC50	64.73	1.00	12.0	36.90
5360709281	20x20x12	AC50	90.85	1.00	15.0	51.78
5360702446	20x24x12	AC50	85.17	1.00	15.0	48.55
5360702445	24x24x12	AC50	90.85	1.00	18.0	51.78
5360702450	12x24x12	HAC50	67.00	1.00	12.0	38.19
5360779945	20x20x12	HAC50	96.53	1.00	15.0	55.02
5360702449	20x24x12	HAC50	90.85	1.00	15.0	51.78
5360702448	24x24x12	HAC50	96.53	1.00	18.0	55.02



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Price List No.: 306-02
 Effective Date: September 1, 2009

**AERO-Cell
 High Efficiency
 Rigid Box Filters**

60% Series MERV 11

Item Number	Nominal size WxHxD	Model number	List Price	Filters per carton	Carton weight, lbs.	Costar Price
5360702453	12x24x6	AC60	64.73	1.00	6.0	36.90
5360702452	20x24x6	AC60	74.95	1.00	8.0	42.72
5360702451	24x24x6	AC60	79.49	1.00	9.0	45.31
5360702456	12x24x6	HAC60	68.14	1.00	6.0	38.84
5360702455	20x24x6	HAC60	80.63	1.00	8.0	45.96
5360702454	24x24x6	HAC60	85.17	1.00	9.0	48.55
5360702459	12x24x12	AC60	68.14	1.00	12.0	38.84
5360778916	20x20x12	AC60	99.93	1.00	15.0	56.96
5360702458	20x24x12	AC60	90.85	1.00	15.0	51.78
5360702457	24x24x12	AC60	99.93	1.00	18.0	56.96
5360702462	12x24x12	HAC60	70.41	1.00	12.0	40.13
5360779953	20x20x12	HAC60	102.20	1.00	15.0	58.26
5360702461	20x24x12	HAC60	96.53	1.00	15.0	55.02
5360702460	24x24x12	HAC60	102.20	1.00	18.0	58.26



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Price List No.: 306-03
 Effective Date: September 1, 2009

AERO-Cell
High Efficiency Filters
Rigid Box Filters

85% Series MERV 13

Item Number	Nominal size WxHxD	Model number	List Price	Filters per carton	Carton weight, lbs.	Costars Price
5360702465	12x24x6	AC85	68.14	1.00	6.0	38.84
5360778918	20x20x6	AC85	85.17	1.00	8.0	48.55
5360702464	20x24x6	AC85	80.63	1.00	8.0	45.96
5360702463	24x24x6	AC85	85.17	1.00	9.0	48.55
5360702468	12x24x6	HAC85	71.54	1.00	6.0	40.78
5360713306	20x20x6	HAC85	90.85	1.00	8.0	51.78
5360702467	20x24x6	HAC85	86.30	1.00	8.0	49.19
5360702466	24x24x6	HAC85	90.85	1.00	9.0	51.78
5360702471	12x24x12	AC85	71.54	1.00	12.0	40.78
5360778919	20x20x12	AC85	103.34	1.00	15.0	58.90
5360702470	20x24x12	AC85	97.66	1.00	15.0	55.67
5360702469	24x24x12	AC85	103.34	1.00	18.0	58.90
5360702474	12x24x12	HAC85	74.95	1.00	12.0	42.72
5360779962	20x20x12	HAC85	105.61	1.00	15.0	60.20
5360702473	20x24x12	HAC85	99.93	1.00	15.0	56.96
5360702472	24x24x12	HAC85	105.61	1.00	18.0	60.20



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Price List No.: 306-04
 Effective Date: September 1, 2009

**AERO-Cell
 High Efficiency Filters
 Rigid Box Filters**

95% Series MERV 14

Item Number	Nominal size WxHxD	Model number	Multiplier =	Filters per carton	Carton weight, lbs	Costars Price
5360702477	12x24x6	AC95	71.54	1.00	6.0	40.78
5360707521	20x20x6	AC95	90.85	1.00	8.0	51.78
5360702476	20x24x6	AC95	86.30	1.00	8.0	49.19
5360702475	24x24x6	AC95	90.85	1.00	9.0	51.78
5360702480	12x24x6	HAC95	74.95	1.00	6.0	42.72
5360702479	20x24x6	HAC95	91.98	1.00	8.0	52.43
5360702478	24x24x6	HAC95	96.53	1.00	9.0	55.02
5360702483	12x24x12	AC95	73.81	1.00	12.0	42.07
5360778924	20x20x12	AC95	106.75	1.00	15.0	60.84
5360702482	20x24x12	AC95	98.80	1.00	15.0	56.31
5360702481	24x24x12	AC95	106.75	1.00	18.0	60.84
5360702486	12x24x12	HAC95	77.22	1.00	12.0	44.02
5360779979	20x20x12	HAC95	110.15	1.00	15.0	62.79
5360702485	20x24x12	HAC95	104.47	1.00	15.0	59.55
5360702484	24x24x12	HAC95	110.16	1.00	18.0	62.79



AERO-CELL™ S
High-Efficiency Synthetic Rigid Air Filter

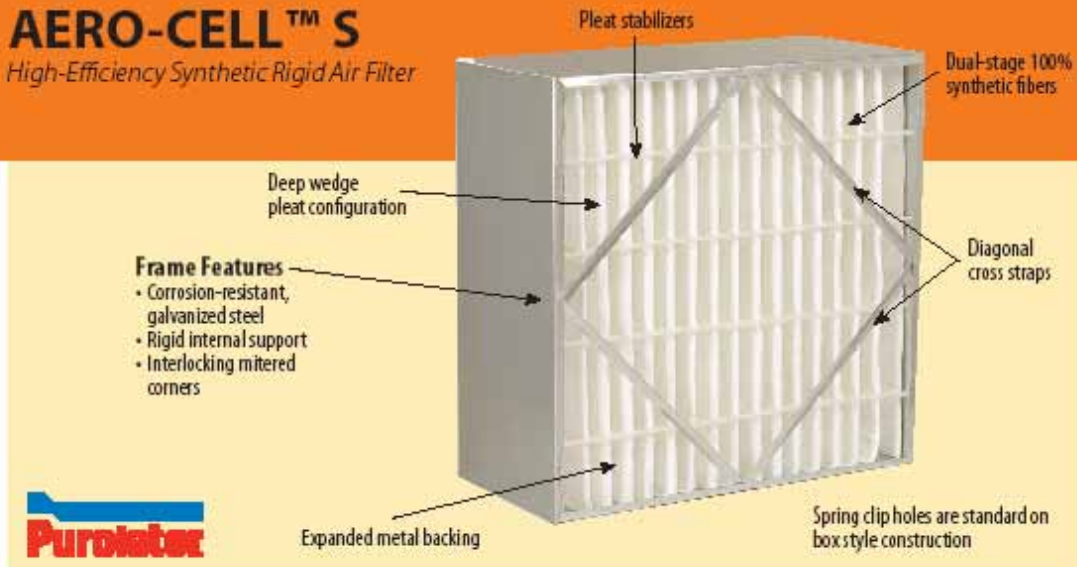


AERO-CELL™ S Synthetic Air Filter Features:

- **Dual-Stage 100% Synthetic Fibers**
- **Class 2 U.L. Standard 900**
- **Up To MERV 14 Performance**
- **Corrosion-Resistant Galvanized Steel**
- **Rigid Internal Support**

AERO-CELL™ S

High-Efficiency Synthetic Rigid Air Filter



In an effort to respond to the increasing synthetic media requirements of the air filtration industry, Purolator offers the AERO-CELL™ S rigid box filter, a rigid air filter engineered to provide medium and high-efficiency filtration combined with a prolonged life cycle. Its box filter construction eliminates the need for retainers and special external wire media supports.

A high surface area-to-depth ratio provides the maximum amount of effective filter media in areas of minimum in-line duct space. The result: A rigid, stable filter with consistent performance in a variety of operating conditions.

Applications

Each AERO-CELL™ S filter provides medium to high-efficiency air filtration capability for a number of distinct applications. These filters are specifically designed for situations requiring strict adherence to filter media specifications, including the pharmaceutical, food processing, health care, paint spray, and commercial property industries.

The AERO-CELL™ S filter will operate to a final resistance of 1.5" w.g. Available in a variety of filtering efficiencies and sizes, the AERO-CELL™ S filter will satisfy and effectively service most applications.

In Variable Air Volume (VAV) applications, the AERO-CELL™ S filter maintains consistent filtering performance throughout a full range of velocities.

Interchangeable

The AERO-CELL™ S filter is designed to be completely interchangeable with all makes and types of medium to high-efficiency rigid cell filters. When used with Purolator conversion filter clips, existing side access and built up filter banks are easily converted to support the AERO-CELL™ S filter. In high dust concentration applications, the life of an AERO-CELL™ S is extended by the use of a prefilter. The Purolator MARK 80-D* and Hi-E 40™ pleated filters have proven effective in such situations.

Dual Stage Media

Purolator utilizes a dual stage media in each AERO-CELL™ S filter. The first stage is a prefilter which consists of coarse synthetic fibers designed to arrest larger particulate in the airstream and enhance dirt loading ability.

The second stage is a layer of micro-fine poly-propylene fibers spun-bonded and fastened to a polypropylene backing which captures the remaining smaller particles. This dual stage media configuration increases the filter's overall efficiency and dust holding capacity.

The media is continuously bonded with solvent-free, water-based glue to expanded, corrosion-resistant, 28-gauge electro-galvanized steel which allows a 95% open face area.

It is important to note, as well, that synthetic fibers are inherently stronger than microfiberglass fibers,

Filtering Efficiencies

Model	MERV	Average Arrestance	Media Color
AC50S	10	96%	White
AC65S	11	97%	orange
AC85S	13	98%	pink
AC95S	14	99%	yellow

decreasing the chance of media damage due to handling or high moisture conditions. In addition, the synthetic fibers are more resistant to the shearing stresses encountered at high air flow rates. The continuous filament associated with the spun-bonded process further insures the integrity of the filter mat and eliminates fiber shedding.

Pleat Configuration

To achieve a maximum dust holding capacity while minimizing pressure loss and replacement frequencies, the AERO-CELL™ S incorporates aerodynamically wedge-shaped pleats into its design. The expanded metal backing and stationary pleat spacers allow consistent pleat configuration.

Frame Construction

The AERO-CELL™ S perimeter frame is constructed of high strength, corrosion resistant galvanized steel. To prevent air bypass, the filter pak is sealed to the frame on all sides.

Product Specification

Air filters shall be the high-efficiency, deep-pleated, disposable, rigid-cell type. Filter media shall be of dual stage, 100% synthetic fibers formed into a .25" thick filter blanket reinforced by an integral polypropylene backing.

Each filter shall have a rated airflow of ____ cfm, and initial resistance not to exceed ____, and a final resistance of ____ w.g. Each filter shall have no less than ____ square feet of media area. The filter shall have MERV Performance of ____ when tested in accordance with ASHRAE 52.2-2007. Data based on a 24x24x12 filter tested at 492 FPM

The filter media shall be continuously bonded to a heavy-duty, 28-gauge, corrosion-resistant, electrogalvanized steel, expanded metal grid with an open face area of not less than 95%.

To inhibit dirty air bypass, the media grid assembly shall be bonded to all interior surfaces of the enclosure frame. The support grid shall be formed into a wedge configuration to optimize usage of the filter media. Pleat spacers shall be permanently installed.

The enclosure frame shall be constructed of corrosion-resistant galvanized steel in such a manner as to produce a rigid, durable filter. The filter shall be the AERO-CELL™ S as manufactured by Purolator Air Filtration. Filters shall be listed and rated by Underwriters Laboratories, Inc. as Class 2.

Prefilters

Prefilters shall be the 2" or 4" medium efficiency (25 - 30%) pleated, disposable type, constructed with a non-woven cotton media supported by an expanded metal support backing and enclosed in a heavy duty, high wet strength board frame. The filter shall be the MARK 80-D" or Hi-E 40" type as manufactured by Purolator Air Filtration.

Holding Frames

Holding frames shall be constructed of heavy duty, 16-gauge galvanized steel with flush-mitered, welded corners. The frame shall be supplied with closed cell eps/polyethyl/butyl gasket secured to the rear seating flanges of the frame. Each frame shall be supplied with positive sealing filter locks. The holding frames shall be the PURO® Frame type manufactured by Purolator Air Filtration.

Side Access Housings

Housing shall be side-servicing from either end through access doors fitted with positive pressure trip lock latches and gasketed inside doors, parallel to the filter track. Housings shall be constructed of heavy duty 16-gauge galvanized steel.

The housing shall be equipped with both a 2" prefilter track and a 1" final filter track. Each track shall be constructed of extruded aluminum combined with reinforced nylon pile air seals to create a corrosion-resistant, air-tight seal.

Each AERO-CELL™ S filter is constructed to meet Underwriters Laboratories, Inc. requirements for Class 2 air filters. Testing is performed in accordance with U.L. Standard 900.

AERO-CELL™ S

High-Efficiency Synthetic Rigid Air Filter

Standard Models						Headered Models*		
Series	AERO-CELL™ Model Number	Nominal Size W x H x D	CFM Capacity	Resist in w.g.	Media area Sq. Ft.	AERO-CELL™ Model Number	Resist in w.g.	Media area Sq. Ft.
50%	AC50S	24x24x12	2000	.18	58	HAC50S	.26	47
	AC50S	20x24x12	1700	.18	47	HAC50S	.26	40
	AC50S	12x24x12	1000	.18	28	HAC50S	.26	23
	AC50S	24x24x6	1000	.18	30	HAC50S	.26	27
	AC50S	20x24x6	850	.18	20	HAC50S	.26	17
	AC50S	12x24x6	500	.18	15	HAC50S	.26	13
65%	AC60S	24x24x12	2000	.23	58	HAC60S	.29	47
	AC60S	20x24x12	1700	.23	47	HAC60S	.29	40
	AC60S	12x24x12	1000	.23	28	HAC60S	.29	23
	AC60S	24x24x6	1000	.23	30	HAC60S	.29	27
	AC60S	20x24x6	850	.23	20	HAC60S	.29	17
	AC60S	12x24x6	500	.23	15	HAC60S	.29	13
85%	AC85S	24x24x12	2000	.42	58	HAC85S	.50	47
	AC85S	20x24x12	1700	.42	47	HAC85S	.50	40
	AC85S	12x24x12	1000	.42	28	HAC85S	.50	23
	AC85S	24x24x6	1000	.42	30	HAC85S	.50	27
	AC85S	20x24x6	850	.42	20	HAC85S	.50	17
	AC85S	12x24x6	500	.42	15	HAC85S	.50	13
95%	AC95S	24x24x12	2000	.51	58	HAC95S	.59	47
	AC95S	20x24x12	1700	.51	47	HAC95S	.59	40
	AC95S	12x24x12	1000	.51	28	HAC95S	.59	23
	AC95S	24x24x6	1000	.51	30	HAC95S	.59	27
	AC95S	20x24x6	850	.51	20	HAC95S	.59	17
	AC95S	12x24x6	500	.51	15	HAC95S	.59	13

* Standard Header is 3/4" x 1 1/8" header is available. The following non-standard sizes are available upon request: 20x20x12

Dimensions: Standard or Headered Filter Models

Size	Width	Height	Depth
12" x 24"	1 1/8"	23 3/4"	5 1/4" or 11 1/2"
20" x 24"	1 9/16"	23 3/4"	5 1/4" or 11 1/2"
24" x 24"	2 3/8"	23 3/4"	5 1/4" or 11 1/2"

*Optional 1 1/8" header is available upon request 3/4" header is standard



P-AEROS-1208



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Price List No.: 307-01
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AERO-Cell S
High Efficiency Filters
Rigid Box Filters

50% Synthetic Series		MERV 10				
Item Number	Nominal size WxHxD	Model number	List Price	Filters per carton	Carton weight, lbs.	Costars Price
5360710973	12x24x6	AC50S	61.32	1	6.0	34.95
5360710752	20x20x6	AC50S	74.95	1	8.0	42.72
5360765980	20x24x6	AC50S	71.54	1	8.0	40.78
5360700214	24x24x6	AC50S	74.95	1	9.0	42.72
5360751651	20x20x6	HAC50S	81.76	1	6.0	46.60
5360751652	20x24x6	HAC50S	76.08	1	8.0	43.37
5360731499	24x24x6	HAC50S	81.76	1	9.0	46.60
5360709855	12x24x12	AC50S	64.73	1	12.0	36.90
	20x20x12	AC50S	90.85	1	15.0	51.78
5360750942	20x24x12	AC50S	85.17	1	15.0	48.55
5360709856	24x24x12	AC50S	90.85	1	18.0	51.78
5360762555	12x24x12	HAC50S	67.00	1	12.0	38.19
	20x20x12	HAC50S	96.53	1	15.0	55.02
5360711440	20x24x12	HAC50S	90.85	1	15.0	51.78
5360710786	24x24x12	HAC50S	96.53	1	18.0	55.02



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Price List No.: 307-02
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AERO-Cell S
High Efficiency Filters
Rigid Box Filters

60% Synthetic Series MERV 11

Item Number	Nominal size WxHxD	Model number	List Price	Filters per carton	Carton weight, lbs	Costars Price
5360793485	12x24x6	AC60S	62.46	1	6.0	35.60
5360700013	20x20x6	AC60S	76.08	1	8.0	43.37
5360793484	20x24x6	AC60S	71.54	1	8.0	40.78
5360792420	24x24x6	AC60S	76.08	1	9.0	43.37
5360795757	12x24x6	HAC60S	65.86	1	6.0	37.54
	20x20x6	HAC60S	82.90	1	8.0	47.25
5360795756	20x24x6	HAC60S	77.22	1	8.0	44.02
5360792425	24x24x6	HAC60S	82.90	1	9.0	47.25
5360793473	12x24x12	AC60S	63.95	1	12.0	36.45
5360797877	20x20x12	AC60S	93.71	1	15.0	53.42
5360793472	20x24x12	AC60S	88.20	1	15.0	50.27
5360792423	24x24x12	AC60S	93.71	1	18.0	53.42
5360793479	12x24x12	HAC60S	66.15	1	12.0	37.71
5360709145	20x20x12	HAC60S	95.92	1	15.0	54.67
5360793478	20x24x12	HAC60S	90.41	1	15.0	51.53
5360792426	24x24x12	HAC60S	95.92	1	18.0	54.67



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Price List No.: 307-03
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AERO-Cell S
High Efficiency Filters
Rigid Box Filters

85% Synthetic Series MERV 13

Item Number	Nominal size WxHxD	Model number	List Price	Filters per carton	Carton weight, lbs	Costars Price
5360793487	12x24x6	AC85S	64.76	1	6.0	36.91
5360744764	20x20x6	AC85S	81.76	1	8.0	46.60
5360793486	20x24x6	AC85S	77.22	1	8.0	44.02
5360792421	24x24x6	AC85S	81.76	1	9.0	46.60
5360795759	12x24x6	HAC85S	69.27	1	6.0	39.48
5360729687	20x20x6	HAC85S	87.44	1	8.0	49.84
5360795758	20x24x6	HAC85S	82.90	1	8.0	47.25
5360792427	24x24x6	HAC85S	87.44	1	9.0	49.84
5360793475	12x24x12	AC85S	69.27	1	12.0	39.48
5360712354	20x20x12	AC85S	98.80	1	15.0	56.31
5360793474	20x24x12	AC85S	94.25	1	15.0	53.72
5360792424	24x24x12	AC85S	98.80	1	18.0	56.31
5360793481	12x24x12	HAC85S	72.68	1	12.0	41.43
5360793170	20x20x12	HAC85S	102.20	1	15.0	58.26
5360793480	20x24x12	HAC85S	96.53	1	15.0	55.02
5360792428	24x24x12	HAC85S	102.20	1	18.0	58.26



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Price List No.: 307-04
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AERO-Cell S
High Efficiency Filters
Rigid Box Filters

95% Synthetic Series MERV 14

Item Number	Nominal size	Model number	List Price	Filters per carton	Carton weight, lbs	Costars Price
	WxHxD					
5360793489	12x24x6	AC95S	69.27	1	6.0	39.48
5360708382	20x20x6	AC95S	88.58	1	8.0	50.49
5360793488	20x24x6	AC95S	81.76	1	8.0	46.60
5360792422	24x24x6	AC95S	88.58	1	9.0	50.49
5360795761	12x24x6	HAC95S	72.68	1	6.0	41.43
5360760888	20x20x6	HAC95S	94.25	1	8.0	53.72
5360708712	20x24x6	HAC95S	87.44	1	8.0	49.84
5360792429	24x24x6	HAC95S	94.25	1	9.0	53.72
5360793477	12x24x12	AC95S	72.68	1	12.0	41.43
5360798480	20x20x12	AC95S	104.47	1	15.0	59.55
5360793476	20x24x12	AC95S	96.53	1	15.0	55.02
5360792431	24x24x12	AC95S	104.47	1	18.0	59.55
5360793483	12x24x12	HAC95S	76.08	1	12.0	43.37
5360795355	20x20x12	HAC95S	107.88	1	15.0	61.49
5360793482	20x24x12	HAC95S	102.20	1	15.0	58.26
5360792430	24x24x12	HAC95S	107.88	1	18.0	61.49

Purolator

SERVA-CELL® 65/85/95

Extended Surface ASHRAE-Rated Filter



Introduction

- The Purolator SERVA-cell is a high efficiency, extended surface, ASHRAE rated air filter.
- Its box filter construction eliminates the need for retainers and special external wire media supports.
- A high surface area to depth ratio provides the maximum amount of effective filter media in areas of minimum in-line duct space.
- Applications: For conditions such as high humidity, turbulent airflow, intermittent water exposure, and elevated operating temperatures.
- MERV 11, 13 and 14
- Recommended airflow rate: 500 FPM (625 FPM Max.)
- Available in seven filter face sizes (see chart on back), and two depth sizes—6", 12".

Media and Support

- Media: Continuous sheet of non-combustible, waterproof, microfiberglass.
- Pleat configuration: Radi-edge configuration promotes maximum exposure of media surface area to airflow.
- Pleat support: Pleated around radi-edge, corrugated aluminum separators. All filter packs to be woven on automatic weaving machine.
- Media area/square foot: See Performance data chart on back.

Construction Features

- Frame: All metal, corrosion resistant, galvanized steel casing. Available with a single or double galvanized steel header.
- The media pack is bonded and secured with microfiberglass blanket and non-toxic adhesive on the upstream side.
- Available with a single header or double header option. Also available in a full box size.
- U.L. Classification: Class 1 approved and listed.
- Tested in accordance with U.L. Standard 900 and ASHRAE 52.2-2007.
- Maximum operating temperature: 350°F.

Suggested Product Specifications

1. The filter shall be the SERVA-cell as manufactured by Purolator Air Filtration.
2. Air filters shall be the rigid-cell air filter type engineered to provide medium and high efficiency filtration combined with a prolonged life cycle.
3. The filter media shall consist of a continuous sheet of non-combustible, waterproof, microfiberglass media pleated around radi-edge, corrugated aluminum separators. These separators shall fully support the media while exposing its maximum surface area to airflow.
4. The radial configuration shall keep the separators from puncturing the media.
5. The filters shall be offered in MERV 11, 13 and 14, tested in accordance with ASHRAE 52.2-2007. Test at velocity of 492 FPM for a 24x24x2 filter.
6. The filter pack shall be enclosed in an all-metal, corrosion-resistant, galvanized steel casing protecting the filter from shipping damage and allowing it to withstand demanding service conditions.

(Suggested Product Specifications continued on back)

SERVA-CELL® 65/85/95

Extended Surface ASHRAE-Rated Filter

Suggested Product Specifications (continued)

7. The pack shall be bonded to four inner surfaces of the metal frame to secure it firmly in place and prevent air bypass.
8. The enclosure frame shall be constructed of corrosion resistant galvanized steel in such a manner as to produce a rigid durable filter.
9. To eliminate air bypass, each 24 x 24 single header model frame shall be roll formed continuously from the enclosure frame material.
10. Filters shall be listed and rated by Underwriters Laboratories, Inc. as Class L.
11. SERVA-CELL "SL" series has a single header on the air-entering side. For box construction, use "SLB" series.

Performance Data: SERVA-CELL 65/85/95

SERVA-CELL Model number	Nominal Size W x H x D	Actual Size W x H x D	Rated Capacity CFM	Initial resistance inches w.g.	Media area/ Sq.Ft.	Filter Weight lbs.
SL65	24x24x12	23 $\frac{3}{4}$ x 23 $\frac{3}{4}$ x 11 $\frac{1}{2}$	2000	.40	124	22.0
SL65	20x24x12	19 $\frac{3}{4}$ x 23 $\frac{3}{4}$ x 11 $\frac{1}{2}$	1650	.40	119	21.0
SL65	12x24x12	11 $\frac{3}{4}$ x 23 $\frac{3}{4}$ x 11 $\frac{1}{2}$	1000	.40	70	15.0
SL65	24x24x6	23 $\frac{3}{4}$ x 23 $\frac{3}{4}$ x 5 $\frac{1}{4}$	1000	.20	64	14.0
SL65	20x24x6	19 $\frac{3}{4}$ x 23 $\frac{3}{4}$ x 5 $\frac{1}{4}$	825	.20	54	10.0
SL65	12x24x6	11 $\frac{3}{4}$ x 23 $\frac{3}{4}$ x 5 $\frac{1}{4}$	500	.20	70	8.0
SL85	24x24x12	23 $\frac{3}{4}$ x 23 $\frac{3}{4}$ x 11 $\frac{1}{2}$	2000	.55	124	22.0
SL85	20x24x12	19 $\frac{3}{4}$ x 23 $\frac{3}{4}$ x 11 $\frac{1}{2}$	1650	.55	119	21.0
SL85	12x24x12	11 $\frac{3}{4}$ x 23 $\frac{3}{4}$ x 11 $\frac{1}{2}$	1000	.55	70	15.0
SL85	24x24x6	23 $\frac{3}{4}$ x 23 $\frac{3}{4}$ x 5 $\frac{1}{4}$	1000	.35	64	14.0
SL85	20x24x6	19 $\frac{3}{4}$ x 23 $\frac{3}{4}$ x 5 $\frac{1}{4}$	825	.35	54	10.0
SL85	12x24x6	11 $\frac{3}{4}$ x 23 $\frac{3}{4}$ x 5 $\frac{1}{4}$	500	.35	31	8.0
SL95	24x24x12	23 $\frac{3}{4}$ x 23 $\frac{3}{4}$ x 11 $\frac{1}{2}$	2000	.65	124	22.0
SL95	20x24x12	19 $\frac{3}{4}$ x 23 $\frac{3}{4}$ x 11 $\frac{1}{2}$	1650	.65	119	21.0
SL95	12x24x12	11 $\frac{3}{4}$ x 23 $\frac{3}{4}$ x 11 $\frac{1}{2}$	1000	.65	70	15.0
SL95	24x24x6	23 $\frac{3}{4}$ x 23 $\frac{3}{4}$ x 5 $\frac{1}{4}$	1000	.38	64	14.0
SL95	20x24x6	19 $\frac{3}{4}$ x 23 $\frac{3}{4}$ x 5 $\frac{1}{4}$	825	.38	54	10.0
SL95	12x24x6	11 $\frac{3}{4}$ x 23 $\frac{3}{4}$ x 5 $\frac{1}{4}$	500	.38	31	8.0

P-SERVA-1208



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www.filtechinc.com



Price List No.: 309-02
 Effective Date: April 7, 2008

**SERVA-Cell
 High Efficiency Filters
 Box Filters**

65 Series (60-65% efficient)

Item Number	Nominal size WxHxD	Model number	List Price	Filters per carton	Carton weight, lbs.	Costars Price
5360602487	12x24x6	SL65	57.92	2	17.0	33.01
5360602488	16x20x6	SL65	67.00	2	19.0	38.19
5360602489	16x25x6	SL65	67.00	2	20.0	38.19
5360602490	20x20x6	SL65	67.00	2	20.0	38.19
5360602491	20x24x6	SL65	77.22	2	21.0	44.02
5360602492	20x25x6	SL65	77.22	2	21.0	44.02
5360602493	24x24x6	SL65	80.63	2	23.0	45.96
5360602494	12x24x12	□ SL65	82.90	2	28.0	47.25
5360602495	16x20x12	SL65	102.20	1	16.0	58.26
5360617779	16x25x12	SL65	102.20	1	18.0	58.26
5360602497	20x20x12	SL65	102.20	1	18.0	58.26
5360602498	20x24x12	□ SL65	111.29	1	19.0	63.43
5360602499	20x25x12	SL65	111.29	1	19.0	63.43
5360602500	24x24x12	□ SL65	116.97	1	20.0	66.67

85 Series (80-85% efficient)

5360698674	12x24x6	SL85	60.19	2	17.0	34.31
	16x20x6	SL85	70.41	2	19.0	40.13
5360689881	16x25x6	SL85	70.41	2	20.0	40.13
5360602504	20x20x6	SL85	70.41	2	20.0	40.13
5360602505	20x24x6	SL85	77.22	2	21.0	44.02
5360602506	20x25x6	SL85	77.22	2	21.0	44.02
5360602507	24x24x6	SL85	84.03	2	23.0	47.90
5360602508	12x24x12	□ SL85	87.44	2	28.0	49.84
5360602509	16x20x12	SL85	106.75	1	16.0	60.84
5360602510	16x25x12	SL85	106.75	1	18.0	60.84
5360602511	20x20x12	□ SL85	106.75	1	18.0	60.84
5360602512	20x24x12	□ SL85	116.97	1	19.0	66.67
5360602513	20x25x12	SL85	116.97	1	19.0	66.67
5360602514	24x24x12	□ SL85	123.78	1	20.0	70.55

95 Series (90-95% efficient)

5360602515	12x24x6	SL95	64.73	2	17.0	36.90
5360602516	16x20x6	SL95	77.22	2	19.0	44.02
5360602518	20x20x6	SL95	77.22	2	20.0	44.02
5360602519	20x24x6	SL95	85.17	2	21.0	48.55
5360602520	20x25x6	SL95	85.17	2	21.0	48.55
5360602521	24x24x6	SL95	93.12	2	23.0	53.08
5360602522	12x24x12	□ SL95	96.53	2	28.0	55.02
5360602523	16x20x12	SL95	116.97	1	16.0	66.67
5360689900	16x25x12	SL95	116.97	1	18.0	66.67
5360602525	20x20x12	□ SL95	116.97	1	18.0	66.67
5360602526	20x24x12	□ SL95	128.32	1	19.0	73.14
5360602527	20x25x12	SL95	128.32	1	19.0	73.14
5360602528	24x24x12	□ SL95	135.14	1	20.0	77.03



SERVA-CELL® 2VS

High Efficiency Extended Surface Mini-Pleat Filters



Featuring Dynamic Double-V Design

- All Plastic Construction
- 100% Synthetic Media
- Fully Incinerable
- Moisture Resistant
- Chemical Resistant
- Rigid Cell Design
- Low Resistance
- Light Weight
- U.L. Class 1

SERVA-CELL® 2VS

High Efficiency Extended Surface Mini-Pleat Filters

SERVA-CELL 2VS filters offer an excellent option for applications currently using rigid cell style extended surface filters. They are a good replacement for corrugated separator style or supported pleat style rigids.

- All Plastic Construction
- 100% Synthetic Media
- Fully Incinerable
- Moisture and Chemical Resistant
- Rigid Cell Design
- Low Resistance
- Light Weight
- U.L. Class 1

SERVA-CELL 2VS filters are made with four mini-pleat media packs fashioned into two V-shaped assemblies. The inset photo shows that the end panels are made with a notch to attach the spring latch used to secure the filter in the holding frame for reverse flow installations.



All Plastic Construction – No Metal Components

SERVA-CELL 2VS filters are made from high strength, high impact polystyrene plastic. They contain no metal components. No rust, no corrosion.

100% Synthetic Media – Durable, Damage Resistant

SERVA-CELL 2VS filters are made with synthetic media. It is extremely durable, resists tearing and abrasion, and is highly damage resistant. No more media damage during shipping, handling, or installation. *This media is just plain tough.*

Fully Incinerable – Aids Disposal

All plastic components with synthetic media make SERVA-CELL 2VS filters completely incinerable. Growing restrictions on landfills in many areas make incineration the most viable disposal option.

Moisture and Chemical Resistant

High impact polystyrene plastic components and synthetic media make SERVA-CELL 2VS filters suitable for installation in systems where high moisture is present. They are also unaffected by some chemical or corrosive conditions.

Rigid Cell Design – Handles Difficult Operating Conditions

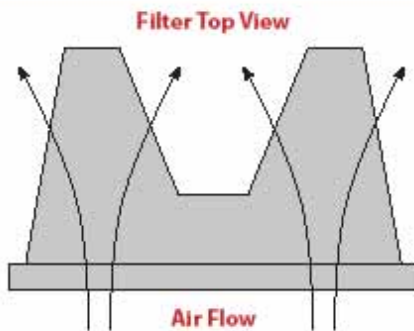
Rigid cell design mini-pleat packs, all plastic components and 100% synthetic media make SERVA-CELL 2VS filters ideal for use in the most demanding installations, including variable air volume, high air flow, turbulence, repeated fan shut down, high moisture and some chemical or corrosive conditions.

Low Resistance – Saves Energy

The Double-V design consisting of four mini-pleat media packs with glue bead separators enable SERVA-CELL 2VS filters to operate at low resistance to air flow. The wide open entrance into the filter creates a dynamically shaped air flow pattern for minimum pressure drop and maximum energy savings.

Light Weight – Saves on Shipping, Transporting

Compare the weight of SERVA-CELL 2VS filters to other high efficiency rigid filters. Less weight reduces shipping costs and simplifies transporting them to and from the plenum. Installation is also faster and easier.



The Double-V design creates a wide open entrance into the filter resulting in low resistance and full use of media.

Dynamic Double-V Design Creates Low Resistance

The Double-V design presents a wide open entrance into the filter allowing air to freely enter and exit at very low resistance. The mini pleat media packs are set at an angle to the direction of the incoming air to direct air flow through the pleat packs and out the back side with minimum restriction.



Economical Upgrade for Other Rigid Cell Filters

SERVA-CELL 2VS filters are an ideal upgrade for other styles of rigid cell filters, including corrugated separator style and supported pleat style. The Dynamic Double-V design provides an unbeatable combination of low resistance, high dust holding capacity and competitive price compared to these products.

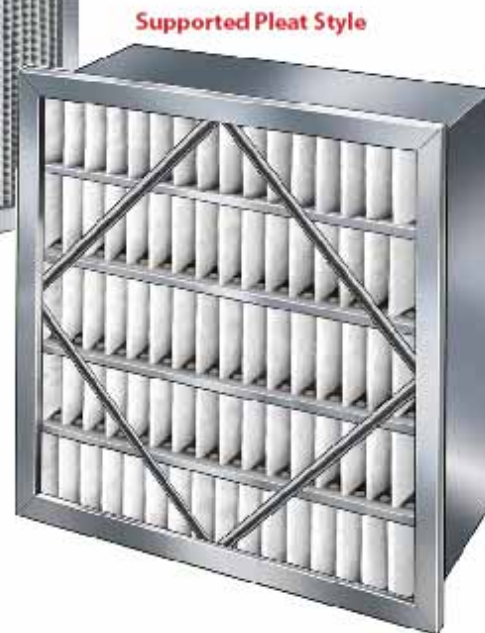


Corrugated Separator Style

Mini-Pleat Media Packs Made with Glue Bead Separators

The media is pleated into mini-packs using continuous glue bead separators. This creates a high ratio of media area to filter face area for low resistance, high dust holding capacity and long service life.

The glue bead separators bond the pleats into a highly rigid pack that maintains uniform spacing in all types of operating conditions. The pleats hold their shape and do not deform or collapse as the dirt load builds and resistance rises. Uniform pleat spacing allows dirt to load evenly over every square inch of filter surface area. The media is fully utilized with no blocking off.



Supported Pleat Style

If you are using other styles of rigid cell extended surface filters, compare performance and price to SERVA-CELL 2VS filters

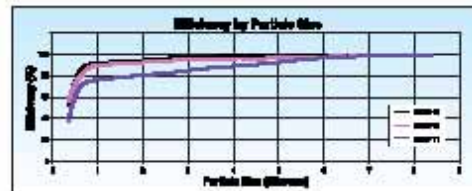
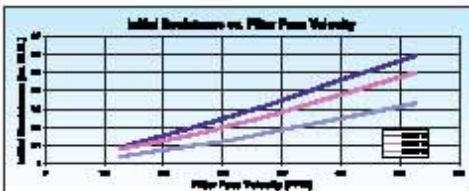
SERVA-CELL® 2VS

High Efficiency Extended Surface Mini-Pleat Filters

Model Number	Nominal Size Inches (HxWxD)	Actual Size Inches (HxWxD)	Rated Air Flow Capacity (CFM)	Initial Resistance (In. W. G.) @Rated Air Flow	Recommended Final Resistance (In. W. G.)
MERV 14					
SL2VS95	12x24x12	11 ³ / ₈ x 23 ³ / ₈ x 11 ¹ / ₂	1000	.46"	1.5"
SL2VS95	24x24x12	23 ³ / ₈ x 23 ³ / ₈ x 11 ¹ / ₂	2000	.46"	1.5"
SL2VS95	20x24x12	19 ³ / ₈ x 23 ³ / ₈ x 11 ¹ / ₂	1650	.46"	1.5"
SL2VS95	20x20x12	19 ³ / ₈ x 19 ³ / ₈ x 11 ¹ / ₂	1400	.46"	1.5"
MERV 13					
SL2VS85	12x24x12	11 ³ / ₈ x 23 ³ / ₈ x 11 ¹ / ₂	1000	.38"	1.5"
SL2VS85	24x24x12	23 ³ / ₈ x 23 ³ / ₈ x 11 ¹ / ₂	2000	.38"	1.5"
SL2VS85	20x24x12	19 ³ / ₈ x 23 ³ / ₈ x 11 ¹ / ₂	1650	.38"	1.5"
SL2VS85	20x20x12	19 ³ / ₈ x 19 ³ / ₈ x 11 ¹ / ₂	1400	.38"	1.5"
MERV 11					
SL2VS65	12x24x12	11 ³ / ₈ x 23 ³ / ₈ x 11 ¹ / ₂	1000	.25"	1.5"
SL2VS65	24x24x12	23 ³ / ₈ x 23 ³ / ₈ x 11 ¹ / ₂	2000	.25"	1.5"
SL2VS65	20x24x12	19 ³ / ₈ x 23 ³ / ₈ x 11 ¹ / ₂	1650	.25"	1.5"
SL2VS65	20x20x12	19 ³ / ₈ x 19 ³ / ₈ x 11 ¹ / ₂	1400	.25"	1.5"

- All performance data is based on the ASHRAE 52.2 Test Standard
- Width and height dimensions are interchangeable. SERVA-CELL 2VS filters can be installed with the pleats vertical or horizontal
- Continuous Operating Temperature: 140°F (60°C).

Underwriters Laboratories Inc. Classification: SERVA-CELL 2VS filters are classified Class 1 per U.L. Standard 900.



P-2VS-207



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Price List No. 313-01
 Effective Date: April 7, 2008

**SERVA-Cell 2VS
 High Efficiency Filters
 Box Filters**

65% Efficiency		MERV 11		List Price	Actual Size (Inches) (HxWxD)	Recommended Final Resistance (in. W.G.)	Costars Price
Item Number	Nominal Size	Product ID					
65% Efficiency MERV 11							
HxWxD							
5360867063	24x24x12	SL2VS65 - 24X24X12	92.13	23-3/8 x 23-3/8 x 11-1/2	1.5"	52.51	
5360867080	12x24x12	SL2VS65 - 12X24X12	63.54	11-3/8 x 23-3/8 x 11-1/2	1.5"	36.22	
5360867079	20x24x12	SL2VS65 - 20X24X12	81.88	19-3/8 x 23-3/8 x 11-1/2	1.5"	46.67	
5360872832	20X20X12	SL2VS65 - 20X20X12	88.73	19-3/8 x 19-3/8 x 11-1/2	1.5"	50.57	
85% Efficiency MERV 13							
HxWxD							
5360867065	24x24x12	SL2VS85 - 24X24X12	96.98	23-3/8 x 23-3/8 x 11-1/2	1.5"	55.28	
5360867082	12x24x12	SL2VS85 - 12X24X12	67.39	11-3/8 x 23-3/8 x 11-1/2	1.5"	38.41	
5360867081	20x24x12	SL2VS85 - 20X24X12	86.85	19-3/8 x 23-3/8 x 11-1/2	1.5"	49.50	
5360888625	20X20X12	SL2VS85 - 20X20X12	90.30	19-3/8 x 19-3/8 x 11-1/2	1.5"	51.47	
95% Efficiency MERV 14							
HxWxD							
5360867067	24x24x12	SL2VS95 - 24X24X12	102.08	23-3/8 x 23-3/8 x 11-1/2	1.5"	58.19	
5360867084	12x24x12	SL2VS95 - 12X24X12	70.59	11-3/8 x 23-3/8 x 11-1/2	1.5"	40.24	
5360867083	20x24x12	SL2VS95 - 20X24X12	90.98	19-3/8 x 23-3/8 x 11-1/2	1.5"	51.86	
5360873127	20X20X12	SL2VS95 - 20X20X12	94.20	19-3/8 x 19-3/8 x 11-1/2	1.5"	53.69	
REVERSE FLOW							
5360868280	24x24x12	SL2VS95-24X24X12 Plastic RAF	102.08	23-3/8 x 23-3/8 x 11-1/2	1.5"	58.19	
5360868305	12x24x12	SL2VS95-12X24X12 Plastic RAF	70.59	11-3/8 x 23-3/8 x 11-1/2	1.5"	40.24	

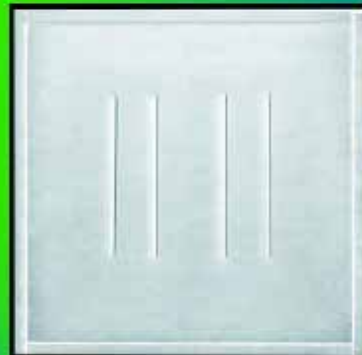
KA-229-A



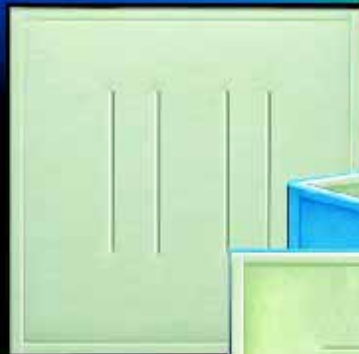
The Activator™ Series

Ring Panels and Links - 2-Ply & 3 Ply

- Self-Sealing
- Eliminates Bypass
- Moisture Resistant
- Totally Unitized Assembly
- Fast, Easy Installation
- No Latches Required
- Compact Packaging



2-Ply MERV-6



3-Ply MERV-7



Links

The Activator Series Ring Panels and Links

The Activator Series panels and links consist of layers of multi-denier polyester media sealed around a heavy duty 9 guage internal wire frame with integral cross wire support members.

Bio-Pure® Antimicrobial Treated Panel
To inhibit microbial growth on the filters, 2-ply Bio-Pure panels are available treated with an EPA Registered antimicrobial agent.

Activator panels offer wide flexibility in meeting the needs of a variety of filtration applications, including:

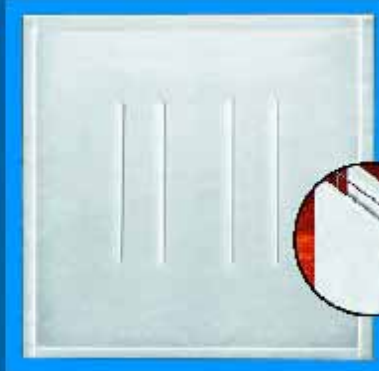
- General ventilation
- Prefilters
- Stand alone, single stage filtration
- Built up frame banks
- Side access systems
- Rooftop air handlers
- Air supply for paint spray booths
- Economical upgrade from fiber glass or synthetic framed disposable panel filters

Select from 2-ply or 3-ply models to provide the right combination of filter construction, performance and budget to meet your needs.

2-Ply - MERV 6

The 2-ply filter is a dual layer design with a multi-denier, blended filter pad on the air entering side followed by a denser, needled media on the air leaving side that forms a final barrier to capture dirt particles. A dry tack adhesive applied on the air leaving side holds dirt and prevents particles from breaking loose. No particle migration down stream.

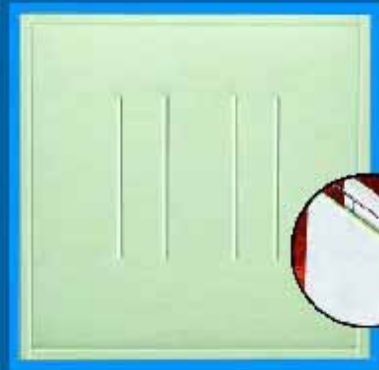
Recommended for normal dirt loading applications.



3-Ply - MERV 7

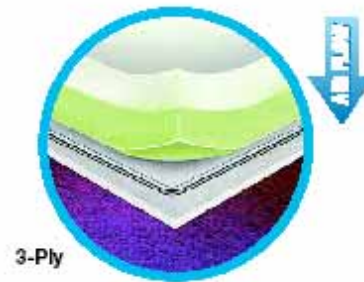
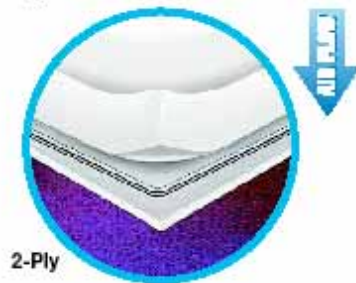
The upstream media is a stratified, dual layer pad made with two distinct layers of polyester fibers for greater depth loading. The down stream media pad is a denser, needled media that forms a final barrier to capture dirt particles. A dry tack adhesive applied on the air leaving side holds dirt and prevents particles from breaking loose. No particle migration down stream.

Recommended for heavier dirt loading conditions or where higher efficiency particulate removal is desired.



Here's Why The Activator Panels are your Best Panel Filter Buy

Multi-Stage Media Construction



Layers of multi-denier polyester fibers capture dirt particles throughout the entire depth of the filter - prevents faceloading, increases dust holding capacity, extends service life.

Pressure Sensitive Tackifier

The air leaving side of the panel is applied with a tackified adhesive to retain collected particles. The adhesive maintains its tacky nature over the life of the filter - does not dry out or blow off the media.

Fast, Easy Installation

Just push the filter into the frame. No clips, no latches, no leakage.

Heavy Duty Internal Wire Frame

The layers of media are heat sealed around a heavy duty, 9 gauge internal wire frame. Cross wire supports welded to the frame provide additional structural strength and hold the media in place to prevent billowing or fluttering in operation.

Full Media Utilization

Panel filters have no perimeter frame or supporting grids to obstruct air flow and block off media. The entire face of the filter is exposed to the air stream.

Retains Collected Dirt Load

Layers of multi-denier fibers hold collected dirt particles throughout the depth of the media. Pressure sensitive tack on the air leaving side assures that the dirt load stays in the filter and does not blow down stream.

Media Does Not Support Microbial Growth

The polyester media does not support microbial growth.

Self-Sealing, Leak-Free -

A unique characteristic of panel filters. The layers of media are larger than the internal wire support frame creating a built in gasket when the filters are installed. They are automatically sealed in the frame or side access track without the use of clips or latches. No dirty air bypass.



Tough, Durable Polyester Media

The inherent strength of polyester fibers combined with the internal frame construction make Activator panels unusually strong. They withstand rough handling and difficult operating conditions without damage or loss of performance.

Moisture Resistant

100% polyester fiber media is completely resistant to moisture. This makes panel filters ideally suited for rooftop installations or other locations where they can be exposed to moisture.

Compact Packaging

Internal frame construction with no perimeter frame creates a low profile design that permits packaging in a compact, space saving carton. Save on shipping, handling and storage, plus easy transportation to the air handler.

Activator Series Product Information

Nominal Size (In.)	Actual Size of Internal Frame (In.)	Rated Air Flow Capacity (CFM)	
		300 FPM	500 FPM
10 x 20	9-1/2 x 19-1/2	425	700
12 x 24	11-3/8 x 23-3/8	600	1000
15 x 20	14-1/2 x 19-1/2	630	1050
16 x 20	15-1/2 x 19-1/2	670	1120
16 x 24	15-3/8 x 23-3/8	800	1340
16 x 25	15-1/2 x 24-1/2	840	1400
18 x 24	17-3/8 x 23-3/8	900	1500
20 x 20	19-1/2 x 19-1/2	840	1400
20 x 24	19-3/8 x 23-3/8	1000	1670
20 x 25	19-1/2 x 24-1/2	1050	1750
24 x 24	23-3/8 x 23-3/8	1200	2000
25 x 25	24-1/2 x 24-1/2	1310	2170

All 2-ply and 3-ply models are available as link panel filters



- All performance data is based on the ASHRAE 52.2 Test Standard
- Width and height dimensions are interchangeable. Activator panels can be installed with the cross wires in the vertical or horizontal position.

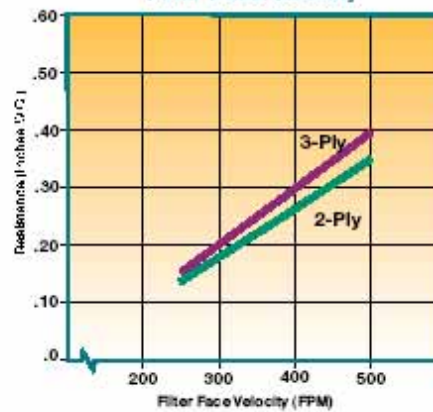
Continuous Operating Temperature Limit: 220°F (104°C)

Underwriters Laboratories Classification: Activator panels are classified U.L. Class 2 per U.L. Standard 900. Class 1 panels are available.

Performance Data

	2-Ply	3-Ply
MERV Rating	6	7
Initial Resistance		
@300 FPM	.17"	.20"
@500 FPM	.35"	.39"
Recommended Final Resistance	1.0" W.G.	1.0" W.G.

Initial Resistance vs. Filter Face Velocity



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CLARCOR Air Filtration has a policy of continuous product research and development and reserves the right to change design and specifications without notice.

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Price List No.	111-01
Effective Date:	April 7, 2008

REPLACES PG. 27-

**2 - Ply
 MERV 6**

THE ACTIVATOR SERIES
 Ring Panel Filters – 2-Ply Construction
 STANDARD SIZES

Product Class: **30A10**

Item No.	Model No.	Nominal Size (Inches) (WxH)	List Price	Package Qty.	Wt. per Ctn. (Lbs.)	Costars Price
0244217	ACT-217	10x20	\$4.50	24	13	\$2.57
0244210	ACT-210	12x24	4.61	24	16	2.63
0244245	ACT-245	15x20	4.69	24	15	2.67
0244201	ACT-201	16x20	4.65	24	16	2.65
0244216	ACT-216	16x24	5.69	24	18	3.24
0244202	ACT-202	16x25	5.44	24	18	3.10
0244212	ACT-212	18x24	5.67	24	19	3.23
0244203	ACT-203	20x20	5.19	24	18	2.96
0244211	ACT-211	20x24	6.50	24	19	3.71
0244204	ACT-204	20x25	6.39	24	20	3.64
0244205	ACT-205	24x24	6.93	24	22	3.95
0244225	ACT-225	25x25	7.77	24	25	4.43



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111-03
 April 7, 2008

REPLACES

**3 - Ply
 MERV 7**

THE ACTIVATOR SERIES
 Ring Panel Filters – 3-Ply Construction
 STANDARD SIZES

Product Class: 30D10

Item No.	Model No.	Nominal Size (Inches) (WxH)	List Price	Pkg. Qty.	Weight per Carton (Lbs.)	Costars Price
0244317	ACT-317	10x20	\$5.17	24	18	\$2.95
0244310	ACT-310	12x24	5.40	24	22	3.08
0244345	ACT-345	15x20	5.41	24	22	3.08
0244301	ACT-301	16x20	5.45	24	24	3.11
0244316	ACT-316	16x24	6.70	24	26	3.82
0244302	ACT-302	16x25	6.39	24	26	3.64
0244312	ACT-312	18x24	6.49	24	28	3.70
0244303	ACT-303	20x20	6.11	24	26	3.48
0244311	ACT-311	20x24	7.34	24	30	4.18
0244304	ACT-304	20x25	7.47	24	32	4.26
0244305	ACT-305	24x24	8.31	24	34	4.74
0244325	ACT-325	25x25	9.66	24	38	5.51



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Price List No.	113-03
Effective Date:	April 7, 2008

**2 - Ply
 MERV 6**

BIO • PURE
 Ring Panel Filters – 2-Ply
 Antimicrobial Treated Media
 STANDARD SIZES

Product Class: **30B00**

Item No.	Model No.	Filter Size (Inches) (WxH)	List Price	Package Quantity	Weight Per Carton (Lbs.)	Costars Price
1507117	BP5-17	10x20	4.56	24	8	\$2.60
1507120	BP5-20	12x20	4.14	24	8	2.36
1507110	BP5-10	12x24	4.90	24	10	2.79
1507139	BP5-39	14x20	4.59	24	10	2.62
1507141	BP5-41	14x25	5.16	24	12	2.94
1507145	BP5-45	15x20	4.97	24	12	2.83
1507101	BP5-01	16x20	5.12	24	12	2.92
1507116	BP5-16	16x24	6.18	24	14	3.52
1507102	BP5-02	16x25	5.80	24	16	3.31
1507112	BP5-12	18x24	6.21	24	16	3.54
1507185	BP5-85	18x25	6.01	24	18	3.43
1507103	BP5-03	20x20	6.16	24	16	3.51
1507111	BP5-11	20x24	7.54	24	18	4.30
1507104	BP5-04	20x25	7.31	24	18	4.17
1507105	BP5-05	24x24	8.08	24	22	4.61
1507125	BP5-25	25x25	8.14	24	24	4.64



STREAMLINE™
Synthetic Air Filter Medias

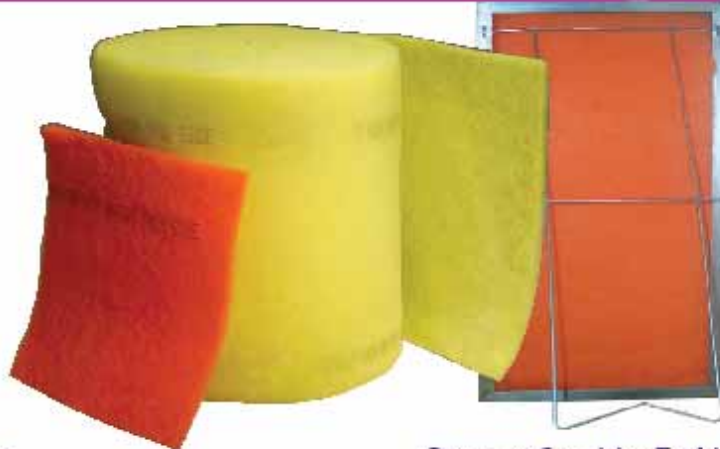


StreamLine Media

Service Frame

The Activator™ Series

Ring Panels and Links - 2 Ply & 3 Ply



Applications

StreamLine is a broad line of non woven synthetic air filter medias offering excellent performance characteristics for a variety of applications:

- General Ventilation - Central HVAC systems and unitary equipment
- Prefilters for higher efficiency filters
- V-Bank blanket filter systems
- Drum Filters
- Card cleaning systems
- Primary filtration for the food industry
- Applications where fiber glass is restricted

Full Depth Loading Increases Dust Holding Capacity

The use of thermally bonded, multi-denier fibers improves the depth loading characteristics of the media by creating the proper balance of fiber density, resistance and compression strength. High compression strength enables the media to maintain its full thickness in operation as resistance rises. Dirt is collected throughout the depth of the media – no face loading. Stratified multi-layered medias (DL-Series) further enhance depth loading by incorporating a built in prefilter layer into the fiber arrangement.

Pressure Sensitive Tackifier Enhances Particle Retention

StreamLine medias have a pressure sensitive dry tackifier applied from the air leaving side to hold dirt particles on the fibers. The dry tack retains its adhesive characteristics over the life of the filter to prevent particles from migrating down stream.

The tackifier is applied deep into the media, not just on the outer surface as with some competitive products. The deeper the adhesive penetrates into the media, the better it retains particles, even at higher velocities or under turbulent conditions.

Soft and Pleasant to Handle

Polyester media is soft to the touch and easy to handle, yet tough and durable. It is unaffected by moisture and can withstand temperatures from -40°F to 220°F.

Choose From Three Different Media Designs

Product Summary

Media	Thickness	Color	Media Construction	Tac
P-Series				
P-50	1/2"	White	Blended Dual Denier	Light
P-100	1"	Blue/White	Blended Dual Denier	Light
P-200	2"	Orange	Blended Dual Denier	Light
DL-Series				
DL-100	1"	Orange	Stratified Multi Denier	Heavy
DL-200	2"	Orange	Stratified Multi Denier	Heavy
Bio•Pure Antimicrobial Treated Media				
AM-50	1/2"	Yellow	Blended Dual Denier	Light
AM-100	1"	Yellow	Blended Dual Denier	Light
AM-200	2"	Yellow	Blended Dual Denier	Light

Product Selection and Application Guide

Product/Applications	Construction
P-Series Standard Grade Media - for light to moderate dirt loading conditions	Blended dual denier fibers, constant density construction - Light tack - 2" media available with a scrim net backing for enhanced media stability and durability.
DL-Series Industrial Grade Media for moderate to heavy dirt loading conditions.	Progressive density construction - Heavy tack - Stratified fiber arrangement forms two distinct layers - Prefilter layer is a blend of coarser fibers. Final filter layer is a blend of finer denier fibers. A scrim net backing adds media stability and durability.
Bio•Pure AM-Series Antimicrobial treated media for use to inhibit growth of microorganisms on air filters where indoor air quality is a concern.	Blended dual denier fibers, constant density construction - Light tack

STREAMLINE™

Synthetic Air Filter Medias

Product Availability

Size	P-50 1/2' x 135'	P-100 1' x 90'	P-200 2' x 60'	DL-100S 1' x 65'	DL-200S 2' x 45'	AM-50 1/2' x 120'	AM-100 1' x 75'	AM-200 2' x 45'
Pads								
12x24	X	X	X			X	X	X
16x20	X	X	X			X	X	X
16x25	X	X	X			X	X	X
20x20	X	X	X			X	X	X
20x25	X	X	X			X	X	X
24x24	X	X	X			X	X	X
Rolls								
7"	X							
8"	X	X				X	X	
9"	X							
10"	X	X				X	X	
12"	X	X				X	X	
14"	X							
16"	X	X	X	X	X	X	X	X
20"	X	X	X	X	X	X	X	X
24"	X	X	X	X	X	X	X	X
25"	X	X	X	X	X	X	X	X
30"	X	X	X	X	X	X	X	X
36"	X	X	X	X	X	X	X	X
40"	X	X	X	X	X	X	X	X
48"	X	X	X	X	X	X	X	X
60"	X	X	X	X	X	X	X	X
69"				X	X			
72"	X	X	X			X	X	X
82"	X	X	X			X	X	X

Product Data

Media Type	Thickness	Initial Resistance @300 FPM (in W.G.)	Average Resistance
P-Series			
P-50	1/2"	.12	85%
P-100	1"	.16	86%
P-200	2"	.20	88%
DL-Series			
DL-100S	1"	.16	88%
DL-200S	2"	.22	90%
Bio-Pure			
AM-50	1/2"	.12	85%
AM-100	1"	.16	86%
AM-200	2"	.20	88%

* Performance data is based on the ASHRAE 52.1-1992 test method. Tolerances conform to ARI Standard 850-93.

Recommended Final Resistance
1/2" - .5" W.G.

1" - 1.0" W.G.

2" - 1.0" W.G.

Underwriters Laboratories, Inc.
Classification

All StreamLine and BioPure medias are classified U.L. Class 2.

Operating Temperature Limit

Continuous - 220° F

ATI-STREAM-608



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Price List No.	109-01
Effective Date:	April 7, 2008

STREAMLINE
P-Series
Synthetic Air Filter Media Pads
STANDARD SIZES

Product Class: **15S**

Item No.	Model No.	Nominal Size Inches (WxH)	List Price	Package Quantity	Weight Per Carton	Costars Price
P-50 (1/2" Thick)						
0850000	P50-10	12x24	\$1.32	25	3.2	\$0.75
0850001	P50-01	16x20	1.41	25	3.8	0.80
0850002	P50-02	16x25	1.65	25	4.0	0.94
0850003	P50-03	20x20	1.65	25	4.0	0.94
0850004	P50-04	20x25	1.95	25	4.4	1.11
0850005	P50-05	24x24	2.26	25	5.0	1.29
P-100 (1" Thick)						
0850100	P100-10	12x24	\$1.56	25	4.3	\$0.89
0850101	P100-01	16x20	1.67	25	5.0	0.95
0850102	P100-02	16x25	2.01	25	6.0	1.15
0850103	P100-03	20x20	2.01	25	6.0	1.15
0850104	P100-04	20x25	2.37	25	6.6	1.35
0850105	P100-05	24x24	2.87	25	7.0	1.64
P-200 (2" Thick)						
0850200	P200-10	12x24	\$2.26	20	4.3	\$1.29
0850201	P200-01	16x20	2.45	20	5.0	1.40
0850202	P200-02	16x25	2.93	20	6.0	1.67
0850203	P200-03	20x20	2.93	20	6.0	1.67
0850204	P200-04	20x25	3.55	20	6.6	2.02
0850205	P200-05	24x24	4.04	20	7.0	2.30
P-200S With Scrim (2" Thick)						
0850250	P200S-10	12x24	\$2.59	20	4.3	\$1.48
0850251	P200S-01	16x20	2.83	20	5.0	1.61
0850252	P200S-02	16x25	3.42	20	6.0	1.95
0850253	P200S-03	20x20	3.42	20	6.0	1.95
0850254	P200S-04	20x25	4.16	20	6.6	2.37
0850255	P200S-05	24x24	4.71	20	7.0	2.68



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Price List No. 109-04
 Effective Date: April 9, 2008

STREAMLINE
P-Series
Synthetic Air Filter Media Pads
SPECIAL SIZES

Product Class: 15S

Face Area (Sq. In.)	P-50 1/2" White	P-100 1" Blue	P-100 1" Blue	P-200S 2" Orange with Scrim	P-50 1/2" White	P-100 1" Blue	P-100 1" Blue	P-200S 2" Orange with Scrim
	List Price	List Price	List Price	List Price	Costars Price	Costars Price	Costars Price	Costars Price
Less than 50	\$2.00	\$2.38	\$2.93	\$3.23	\$1.14	\$1.36	\$1.67	\$1.84
50 - 99	2.00	2.38	2.93	3.23	\$1.14	\$1.36	\$1.67	\$1.84
100 - 149	2.00	2.38	2.93	3.23	\$1.14	\$1.36	\$1.67	\$1.84
150 - 199	2.00	2.38	2.93	3.23	\$1.14	\$1.36	\$1.67	\$1.84
200 - 249	2.00	2.38	2.93	3.23	\$1.14	\$1.36	\$1.67	\$1.84
250 - 299	2.00	2.38	2.93	3.23	\$1.14	\$1.36	\$1.67	\$1.84
300 - 349	2.00	2.38	2.93	3.23	\$1.14	\$1.36	\$1.67	\$1.84
350 - 399	2.07	2.47	3.09	3.38	\$1.18	\$1.41	\$1.76	\$1.93
400 - 449	2.34	2.82	3.44	3.77	\$1.33	\$1.61	\$1.96	\$2.15
450 - 499	2.50	3.06	3.76	4.11	\$1.43	\$1.74	\$2.14	\$2.34
500 - 549	2.81	3.38	4.11	4.55	\$1.60	\$1.93	\$2.34	\$2.59
550 - 599	2.93	3.70	4.57	5.03	\$1.67	\$2.11	\$2.60	\$2.87
600 - 649	3.34	4.06	4.89	5.39	\$1.90	\$2.31	\$2.79	\$3.07
650 - 699	3.56	4.34	5.36	5.88	\$2.03	\$2.47	\$3.06	\$3.35
700 - 749	3.76	4.65	5.62	6.16	\$2.14	\$2.65	\$3.20	\$3.51
750 - 799	4.06	4.96	6.05	6.65	\$2.31	\$2.83	\$3.45	\$3.79
800 - 849	4.34	5.29	6.40	7.19	\$2.47	\$3.02	\$3.65	\$4.10
850 - 899	4.57	5.62	6.78	7.47	\$2.60	\$3.20	\$3.86	\$4.26
900 - 949	4.75	5.87	7.16	7.86	\$2.71	\$3.35	\$4.08	\$4.48
950 - 999	5.18	6.09	7.56	8.30	\$2.95	\$3.47	\$4.31	\$4.73



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Price List No.	109-03
Effective Date:	August 11, 2008

REPLACE
 S PG 20-

STREAMLINE
P-Series
Synthetic Air Filter Media Rolls
STANDARD SIZES

Product Class: **18S**

Item No.	Model No.	Roll Size	List Price	Weight Per Roll	Costars Price
P-50 (1/2" Thick)					
1600007	P50-R07	7"x135'	\$29.19	2.5	\$16.64
1600008	P50-R08	8"x135'	33.24	2.6	18.95
1600009	P50-R09	9"x135'	37.31	3.1	21.27
1600010	P50-R10	10"x135'	41.77	3.2	23.81
1600012	P50-R12	12"x135'	49.88	3.9	28.43
1600014	P50-R14	14"x135'	58.38	4.9	33.28
1600016	P50-R16	16"x135'	59.84	5.1	34.11
1600020	P50-R20	20"x135'	75.14	6.3	42.83
1600024	P50-R24	24"x135'	89.78	7.5	51.17
1600025	P50-R25	25"x135'	93.42	7.6	53.25
1600030	P50-R30	30"x135'	112.39	9.6	64.06
1600036	P50-R36	36"x135'	134.64	11.3	76.74
1600040	P50-R40	40"x135'	149.62	13.5	85.28
1600048	P50-R48	48"x135'	179.54	15.0	102.34
1600060	P50-R60	60"x135'	224.42	19.4	127.92
1600072	P50-R72	72"x135'	269.30	23.4	153.50
1600085	P50-R85	85"x135'	317.84	27.5	181.17
P-100 (1" Thick)					
1600208	P100-R08	8"x90'	\$31.93	3.6	\$18.20
1600210	P100-R10	10"x90'	39.89	3.9	22.74
1600212	P100-R12	12"x90'	47.88	4.3	27.29
1600216	P100-R16	16"x90'	57.45	5.5	32.75
1600220	P100-R20	20"x90'	71.81	6.8	40.93
1600224	P100-R24	24"x90'	86.17	8.5	49.12
1600225	P100-R25	25"x90'	89.89	8.7	51.24
1600230	P100-R30	30"x90'	107.71	10.6	61.39
1600236	P100-R36	36"x90'	129.24	12.7	73.67
1600240	P100-R40	40"x90'	143.62	15.1	81.86
1600248	P100-R48	48"x90'	172.35	17.0	98.24
1600260	P100-R60	60"x90'	215.43	21.2	122.80
1600272	P100-R72	72"x90'	258.52	25.3	147.36
1600285	P100-R85	85"x90'	305.43	30.6	174.10



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Price List No.	109-04
Effective Date:	April 7, 2008

REPLACES PG. 20
 ””

**STREAMLINE
 P-Series
 Synthetic Air Filter Media Rolls
 STANDARD SIZES**

Product Class: 18S

Item No.	Model No.	Roll Size	List Price	Weight Per Roll	List Price
P-200 (2" Thick)					
1700416	P200-R16	16"x60'	\$60.26	7.2	\$34.35
1700420	P200-R20	20"x60'	64.47	9.4	36.75
1700424	P200-R24	24"x60'	77.35	11.3	44.09
1700425	P200-R25	25"x60'	80.56	11.8	45.92
1700430	P200-R30	30"x60'	122.36	14.4	69.75
1700436	P200-R36	36"x60'	144.06	16.8	82.11
1700440	P200-R40	40"x60'	158.42	18.7	90.30
1700448	P200-R48	48"x60'	187.12	22.6	106.66
1700460	P200-R60	60"x60'	230.34	28.1	131.29
1700472	P200-R72	72"x60'	258.86	33.6	147.55
1700485	P200-R85	85"x60'	286.98	42.0	163.58



Introduction

Purolator's ULTRA-CELL is a high efficiency aluminum separator style HEPA filter designed for applications where increased air velocity is present and lower pressure drops are required.

Applications: Manufactured for environments requiring 95% minimum efficiency on .3 micron particles, 99.97% efficiency on .3 micron, 99.99% efficiency on .3 micron, or 99.999% on .3 micron (scan tested to assure no leak shall exceed 0.01% of the upstream challenge).

Filter efficiencies range: 95%, 99.97%, 99.99%, and 99.999% at 0.3 micron.

Available in many filter face sizes (see chart on back).

Available in two depth sizes for High Temp - 5 7/8" and 11 1/2", and one depth size for gasket seal and fluid seal - 11 1/2".

Media and Support

Media: Continuous sheet of non-combustible, waterproof, microfiberglass.

Pleat configuration: Radi-edge configuration promotes maximum exposure of media surface area to airflow.

Pleat support: Pleated around radi-edge, corrugated aluminum separators.

Construction Features

Frame: Available in various materials (see chart on back). 16 gauge, 304 stainless steel for High Temp.

Fluid Seal: PURO gel urethane fluid seal for gel-seal applications.

Gasket Seal: Dovetail urethane gasketing material.

The media pack is bonded and secured to the frame with a urethane based sealant. There is no wicking of the sealant in the media. (Silicone based sealant for high temp.).

U.L. Classification: As required, can meet U.L. 586 and U.L. 900 requirements. Contact factory for appropriate filter size/frame material.

Recommended maximum operating temperature: 160°F for Gasket Seal and Fluid Seal and 500°F for Gasket Seal High Temp.

Testing: All HEPA filters (except 95%) are tested in our state of the art testing facility. The 99.97% filters will be tested for efficiency. Filters that are 99.99% will be scan tested for leaks that are .01% of the upstream challenge at 100 FPM per sq. ft. of filter face area.

ULTRA-CELL®

High Efficiency Filters (HEPA)

3 Types of Filters:

- Gasket Seal - 95/99.97/99.99 High Temp
- Gasket Seal - 99.97/99.99-2000 CFM
- Fluid Seal - 99.97/99.99-2000 CFM



Purolator's ULTRA-CELL HEPA filters are available in stainless steel, particleboard or galvalume.

Suggested product specifications

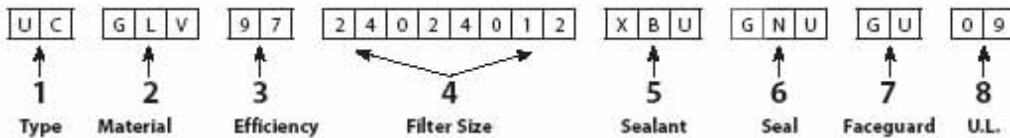
1. The filter shall be the ULTRA-CELL® High Efficiency Particulate Air (HEPA) as manufactured by Purolator.
2. Air filters shall be constructed in a clean environment using the latest technology in filter pleating and testing technology.
3. The filter pack shall be sealed to the filter frame using a urethane base sealant (silicone for High Temp). Porous foam sealants shall not be used.
4. The filter media shall consist of a continuous sheet of non-combustible, waterproof, microfiberglass media pleated around radial-edge, corrugated aluminum separators. These separators shall fully support the media while exposing its maximum surface area to airflow.
5. Filter efficiency shall be 95%, 99.97-99.99% or 99.999% on .3 micron.
6. A quality assurance program shall be in place to verify pressure drops, efficiencies and scan procedures.
7. All non-truckload orders shall be shrink wrapped and palletized.
8. All filters shall be manufactured in an ISO9001/2000 factory.

ULTRA-CELL

High Capacity HEPA Filters

Ordering Information

The design and construction of Purolator Filtration System modules are coded with an assembly part number, divided into sections consisting of the following information:



Section 1: Type of Product

UC = ULTRA-CELL
UH = ULTRA-CELL High Capacity

Section 2: Frame material

FPB = Fire retardant particle board
NPB = Non-fire retardant particle board
FPW = Fire retardant plywood
NPW = Non-fire retardant plywood
SSO = Type 304 Stainless steel
GLV = 16-gauge galvalume

Section 3: Efficiency option

95 = 95% on .3 micron
97 = 99.97% eff. on .3 micron
99 = 99.99% eff. on .3 micron (scan tested)

Section 4: Filter Size

24012012 = 24 x 12 x 11 1/2
24024012 = 24 x 24 x 11 1/2
24018012 = 24 x 18 x 11 1/2
24030012 = 24 x 30 x 11 1/2

Please refer to ordering HPA filter size dimensions on page 2

24024006 = 24 x 24 x 5 1/2
24030006 = 24 x 30 x 5 1/2
24036006 = 24 x 36 x 5 1/2
24048006 = 24 x 48 x 5 1/2
24012006 = 24 x 12 x 5 1/2

Section 5: Frame Style Sealant

XBU = X-Body/urethane sealant
DTU = Double turn flange/urethane
DTH = Double turn flange/silicone sealant

Section 6: Fluid Seal

GND = Gasket/neoprene downstream
GNB = Gasket/neoprene both sides
GNU = Gasket/neoprene upstream
GSD = Gasket/silicone downstream
GSB = Gasket/silicone both sides
GSU = Gasket/silicone upstream
FSU = Fluid Seal Upstream
FSD = Fluid Seal Downstream
FCU = Fluid Seal upstream with clips for fluid seal housing
FCD = Fluid seal downstream with clips for fluid seal housing

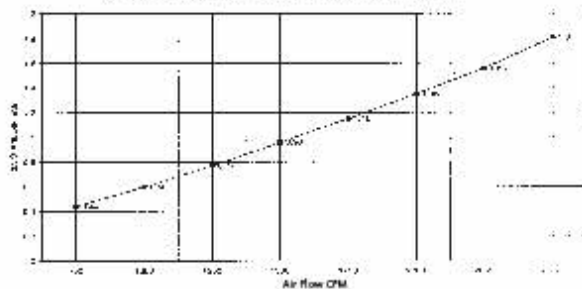
Section 7: Faceguard Location

00 = No face guard
GU = Galvanized upstream
GD = Galvanized downstream
GB = Galvanized both sides
SU = Stainless steel upstream
SD = Stainless steel downstream
SB = Stainless steel both sides

Section 8: U.L. Classification

09 = UL 900 required
05 = UL 586 required
00 = UL requirements not required

ULTRA-CELL HEPA FILTERS WITH 99.97% EFFICIENCY ON .3 MICRON PARTICLES



P-ULTRACELL-209



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Price List No. 402-01
 Effective Date: January 5, 2009

ULTRA CELL 95%
Gasket Seal
HEPA Products

Galvanized Single Header

Item Number	Exact Size HxWxD	Product ID	List Price	Filters per carton	Carton weight, lbs.	Costars Price
5455466509	23 ^{3/8} x11 ^{3/8} x11 ^{1/2}	UCGLV95-23F11F12-HTU-GND-00-00	227.12	1	25	129.46
5455469781	24x12x11 ^{1/2}	UCGLV95-24012012-HTU-GND-00-00	227.12	1	25	129.46
5455455128	23 ^{3/8} x23 ^{3/8} x11 ^{1/2}	* UCGLV95-23F23F12-HTU-GND-00-00	340.68	1	33	194.19
5455455065	24x24x11 ^{1/4}	UCGLV95-24024012-HTU-GND-00-00	340.68	1	36	194.19

Galvaneal

Item Number	Exact Size HxWxD	Product ID	List Price	Filters per carton	Carton weight, lbs.	Costars Price
5455444373	24x12x5 ^{7/8}	UCGLV95-24012006-XBU-GND-00-00	144.22	1	20	82.21
	24x18x5 ^{7/8}	UCGLV95-24018006-XBU-GND-00-00	188.51	1	24	107.45
5455443776	23 ^{3/8} x23 ^{3/8} x5 ^{7/8}	UCGLV95-23F23F06-XBU-GND-00-00	206.68	1	26	117.81
5455458519	24x24x5 ^{7/8}	UCGLV95-24024006-XBU-GND-00-00	206.68	1	26	117.81
	24x30x5 ^{7/8}	UCGLV95-24030006-XBU-GND-00-00	239.61	1	38	136.58
	24x36x5 ^{7/8}	UCGLV95-24036006-XBU-GND-00-00	285.03	1	45	162.47
	24x48x5 ^{7/8}	UCGLV95-24048006-XBU-GND-00-00	349.76	1	50	199.36
5455455064	24x12x11 ^{1/2}	UCGLV95-24012012-XBU-GND-00-00	204.41	1	24	116.51
5455411145	24x18x11 ^{1/2}	UCGLV95-24018012-XBU-GND-00-00	261.19	1	28	148.88
5455455062	23 ^{3/8} x23 ^{3/8} x11 ^{1/2}	UCGLV95-23F23F12-XBU-GND-00-00	308.88	1	32	176.06
5455455066	24x24x11 ^{1/2}	UCGLV95-24024012-XBU-GND-00-00	308.88	1	35	176.06
5455446978	24x30x11 ^{1/2}	UCGLV95-24030012-XBU-GND-00-00	349.76	1	56	199.36
	24x36x11 ^{1/2}	UCGLV95-24036012-XBU-GND-00-00	465.59	1	60	265.39

Non-Fire-Retardant Particle Board

5455462162	24x12x5 ^{7/8}	UCNPB95-24012006-XBU-GND-00-00	137.41	1	11	78.32
	24x18x5 ^{7/8}	UCNPB95-24018006-XBU-GND-00-00	189.64	1	20	108.10
5455466997	23 ^{3/8} x23 ^{3/8} x5 ^{7/8}	UCNPB95-23F23F06-XBU-GND-00-00	199.86	1	22	113.92
5455442238	24x24x5 ^{7/8}	UCNPB95-24024006-XBU-GND-00-00	199.86	1	22	113.92
	24x30x5 ^{7/8}	UCNPB95-24030006-XBU-GND-00-00	236.20	1	25	134.64
	24x36x5 ^{7/8}	UCNPB95-24036006-XBU-GND-00-00	243.02	1	29	138.52
	24x48x5 ^{7/8}	UCNPB95-24048006-XBU-GND-00-00	362.25	1	40	206.48
5455466419	24x12x11 ^{1/2}	UCNPB95-24012012-XBU-GND-00-00	158.98	1	26	90.62
	24x18x11 ^{1/2}	UCNPB95-24018012-XBU-GND-00-00	212.36	1	35	121.04
	23 ^{3/8} x23 ^{3/8} x11 ^{1/2}	UCNPB95-23F23F12-XBU-GND-00-00	285.03	1	42	162.47
5455455146	24x24x11 ^{1/2}	UCNPB95-24024012-XBU-GND-00-00	285.03	1	42	162.47
	24x30x11 ^{1/2}	UCNPB95-24030012-XBU-GND-00-00	296.39	1	48	168.94
	24x36x11 ^{1/2}	UCNPB95-24036012-XBU-GND-00-00	371.34	1	54	211.66



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Price List No. 402-03
 Effective Date: January 5, 2009

ULTRA CELL 97%
Gasket Seal
HEPA Products

Galvaneal

Item Number	Exact Size HxWxD	Product ID	List Price	Filters per carton	Carton weight, lbs.	Costars Price
5455458522	24x12x5 ^{7/8}	UCGLV97-24012006-XBU-GND-00-00	193.05	1	20	110.04
	24x18x5 ^{7/8}	UCGLV97-24018006-XBU-GND-00-00	227.12	1	24	129.46
5455458001	23 ^{3/8} x23 ^{3/8} x5 ^{7/8}	UCGLV97-23F23F06-XBU-GND-00-00	238.47	1	26	135.93
	24x24x5 ^{7/8}	UCGLV97-24024006-XBU-GND-00-00	238.47	1	26	135.93
	24x30x5 ^{7/8}	UCGLV97-24030006-XBU-GND-00-00	283.90	1	38	161.82
	24x36x5 ^{7/8}	UCGLV97-24036006-XBU-GND-00-00	340.68	1	45	194.19
	24x48x5 ^{7/8}	UCGLV97-24048006-XBU-GND-00-00	397.46	1	50	226.55
	24x12x11 ^{1/2}	*UCGLV97-24012012-XBU-GND-00-00	227.12	1	45	129.46
	24x18x11 ^{1/2}	UCGLV97-24018012-XBU-GND-00-00	295.25	1	50	168.29
5455458003	23 ^{3/8} x23 ^{3/8} x11 ^{1/2}	UCGLV97-23F23F12-XBU-GND-00-00	329.32	1	50	187.71
	24x24x11 ^{1/2}	*UCGLV97-24024012-XBU-GND-00-00	329.32	1	50	187.71
	24x30x11 ^{1/2}	UCGLV97-24030012-XBU-GND-00-00	397.46	1	56	226.55
	24x36x11 ^{1/2}	UCGLV97-24036012-XBU-GND-00-00	511.02	1	60	291.28

Non-Fire-Retardant Particle Board

	24x12x5 ^{7/8}	UCNPB97-24012006-XBU-GND-00-00	187.37	1	11	106.80
	24x18x5 ^{7/8}	UCNPB97-24018006-XBU-GND-00-00	247.56	1	20	141.11
5455463369	23 ^{3/8} x23 ^{3/8} x5 ^{7/8}	UCNPB97-23F23F06-XBU-GND-00-00	250.97	1	22	143.05
	24x24x5 ^{7/8}	UCNPB97-24024006-XBU-GND-00-00	250.97	1	22	143.05
	24x30x5 ^{7/8}	UCNPB97-24030006-XBU-GND-00-00	280.49	1	25	159.88
	24x36x5 ^{7/8}	UCNPB97-24036006-XBU-GND-00-00	353.17	1	29	201.31
	24x48x5 ^{7/8}	UCNPB97-24048006-XBU-GND-00-00	438.34	1	40	249.85
5455455089	24x12x11 ^{1/2}	UCNPB97-24012012-XBU-GND-00-00	227.12	1	26	129.46
5455441372	24x18x11 ^{1/2}	UCNPB97-24018012-XBU-GND-00-00	263.46	1	35	150.17
5455455145	23 ^{3/8} x23 ^{3/8} x11 ^{1/2}	UCNPB97-23F23F12-XBU-GND-00-00	296.39	1	42	168.94
5455455092	24x24x11 ^{1/2}	*UCNPB97-24024012-XBU-GND-00-00	296.39	1	42	168.94
5455441463	24x30x11 ^{1/2}	UCNPB97-24030012-XBU-GND-00-00	386.10	1	48	220.08
5455465763	24x36x11 ^{1/2}	UCNPB97-24036012-XBU-GND-00-00	488.30	1	54	278.33

Fire-Retardant Particle Board

Item Number	Exact Size HxWxD	Product ID	List Price	Filters per carton	Carton weight, lbs.	Costars Price
5455451349	233/8x233/8x57/8	UCFPB97-23F23F06-XBU-GND-00-00	221.44	1	22	126.22
5455438111	24x24x57/8	UCFPB97-24024006-XBU-GND-00-00	221.44	1	22	126.22
5455455123	24x12x111/2	UCFPB97-24012012-XBU-GND-00-00	201.00	1	26	114.57
5455455061	24x24x111/2	UCFPB97-24024012-XBU-GND-00-00	298.66	1	42	170.24

Stainless Steel

5455458620	!33/8x233/8x111/2	UCSS097-23F23F12-XBU-GND-00-00	441.74	1	50	251.79
5455461339	24x24x111/2	UCSS097-24024012-XBU-GND-00-00	441.74	1	50	251.79



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Price List No. 402-05
 Effective Date: January 5, 2009

ULTRA CELL 99%
Gasket Seal
HEPA Products

Galvaneal

Item Number	Exact Size HxWxD	Product ID	List Price	Filters per carton	Carton weight, lbs.	Costars Price
5455467668	24x12x5 ^{7/8}	UCGLV99-24012006-XBU-GND-00-00	204.41	1	20	116.51
5455462867	24x24x5 ^{7/8}	UCGLV99-24024006-XBU-GND-00-00	249.83	1	26	142.40
5455455078	24x12x11 ^{1/2}	UCGLV99-24012012-XBU-GND-00-00	238.47	1	45	135.93
5455439290	23 ^{3/8} x23 ^{3/8} x11 ^{1/2}	UCGLV99-23F23F12-XBU-GND-00-00	340.68	1	50	194.19
5455455080	24x24x11 ^{1/2}	UCGLV99-24024012-XBU-GND-00-00	340.68	1	50	194.19

Non-Fire-Retardant Particle Board

5455467342	24x24x5 ^{7/8}	UCNPB99-24024006-XBU-GND-00-00	268.00	1	22	152.76
5455455093	24x30x5 ^{7/8}	UCNPB99-24030006-XBU-GND-00-00	289.58	1	25	165.06
5455455161	24x36x5 ^{7/8}	UCNPB99-24036006-XBU-GND-00-00	397.46	1	29	226.55
5455461846	24x48x5 ^{7/8}	UCNPB99-24048006-XBU-GND-00-00	448.56	1	40	255.68
5455455156	24x12x11 ^{1/2}	UCNPB99-24012012-XBU-GND-00-00	238.47	1	26	135.93
5455467245	23 ^{3/8} x23 ^{3/8} x11 ^{1/2}	UCNPB99-23F23F12-XBU-GND-00-00	312.29	1	42	178.00
5455455157	24x24x11 ^{1/2}	UCNPB99-24024012-XBU-GND-00-00	312.28	1	42	178.00
5455443451	24x30x11 ^{1/2}	UCNPB99-24030012-XBU-GND-00-00	409.95	1	48	233.67



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Price List No. 404-02
 Effective Date: January 5, 2009

ULTRA CELL 97% Hi-Cap
Gasket Seal
HEPA Products

Galvaneal						
Item Number	Exact Size HxWxD	Product ID	List Price	Filters per carton	Carton weight, lbs.	Costars Price
5455055105	24x12x1 ^{1/2}	UHGLV97-24012012-XBU-GND-00-00	238.47	1	45	135.93
5455070407	24x18x1 ^{1/2}	UHGLV97-24018012-XBU-GND-00-00	306.61	1	50	174.77
5455055171	23 ^{3/8} x23 ^{3/8} x1 ^{1/2}	UHGLV97-23F23F12-XBU-GND-00-00	408.81	1	50	233.02
5455055106	24x24x1 ^{1/2}	*UHGLV97-24024012-XBU-GND-00-00	408.81	1	50	233.02
5455062504	24x30x1 ^{1/2}	UHGLV97-24030012-XBU-GND-00-00	454.24	1	56	258.91



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Price List No 404-03
Effective Date January 5, 2009

ULTRA CELL 99% Hi-Cap
Gasket Seal
HEPA Products

Galvaneal						
Item Number	Exact Size HxWxD	Product ID	List Price	Filters per carton	Carton weight, lbs.	Costars Price
5455055108	24x12x11 ^{1/2}	UHGLV99-24012012-XBU-GND-00-00	260.05	1	45	148.23
5455069142	23 ^{3/8} x23 ^{3/8} x11 ^{1/2}	UHGLV99-23F23F12-XBU-GND-00-00	424.71	1	50	242.08
5455055188	24x24x11 ^{1/2}	UHGLV99-24024012-XBU-GND-00-00	424.71	1	50	242.08



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Price List No. 406-01
 Effective Date: January 5, 2009

west Homestead, PA 15120
Gasket Seal
HEPA Products

Item Number	Exact Size HxWxD	Description	Model Number	List Price	Filters per carton	Carton weight, lbs.	Costars Price
5455239476	24x24x11 1/2	99.97 Efficient on .3 microns High capacity (2000 CFM @ 1.00" w.g.) Gasket seal HEPA filter	UVEXT97-24024012-XBU-GND-00-00	754.03	1	43	429.80
5455258905	24x12x11 1/2	99.97 Efficient on .3 microns High capacity (1000 CFM @ 1.00" w.g.) Gasket seal HEPA filter	UVEXT97-24012012-XBU-GND-00-00	450.83	1	25	256.97
5455240004	24x24x11 1/2	99.99% Efficient on .3 microns High capacity (2000 CFM @ 1.00" w.g.) Gasket seal HEPA filter (Not scan tested)	UVEXT99-24024012-XBU-GND-00-00	763.12	1	43	434.98
5455264692	24x12x11 1/2	99.99% Efficient on .3 microns High capacity (1000 CFM @ 1.00" w.g.) Gasket seal HEPA filter (Not scan tested)	UVEXT99-24012012-XBU-GND-00-00	471.27	1	25	268.62



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Price List No. 407-01
 Effective Date: August 20, 2009

ULTRA CELL V
Fluid Seal
HEPA Products

Item Number	Exact Size HxWxD	Description	Model Number	List Price	Filters per carton	Carton weight, lbs.	Costars Price
5455239475	24x24x11 1/2	99.97% Efficient on .3 microns High capacity (1900 CFM @ 1.00" w.g.) Fluid Seal HEPA filter	UVEXT97-24024012-XBU-FSD-00-00	782.42	1	47	445.98
5455268554	24x12x11 1/2	99.97% Efficient on .3 microns High capacity (900 CFM @ 1.00" w.g.) Fluid Seal HEPA filter	UVEXT97-24012012-XBU-FSD-00-00	469.25	1	27	267.47
	24x24x11 1/2	99.99% Efficient on .3 microns High capacity (1900 CFM @ 1.00" w.g.) Fluid Seal HEPA filter (Not scan tested)	UVEXT99-24024012-XBU-FSD-00-00	799.45	1	47	455.69
	24x12x11 1/2	99.99% Efficient on .3 microns High capacity (900 CFM @ 1.00" w.g.) Fluid Seal HEPA filter (Not scan tested)	UVEXT99-24012012-XBU-FSD-00-00	488.30	1	27	278.33



SLIP-ON Self-Sealing Ring Panels and Service Rolls

Select from Three Styles

- Cut-to-size panels with reusable wire frame
- Replacement sleeves – no frame
- Service Rolls – cut your own sleeves

Reusable Frame Design Offers Economy, Space Savings, Low Maintenance

Airguard Slip-On ring panels consist of a polyester media pad on the air entering side with a spun bonded synthetic scrim backing on the air leaving side. The dual layer panel is sewn on three sides with one side open. Simply remove the dirty sleeve and slip on a replacement sleeve over the wire frame.

- Self-sealing, no latches
- Reusable wire frame
- Economical replacement sleeves
- Quick filter changeout
- Polyester media is moisture resistant
- Compact space saving packaging
- Save on disposal requirements

Low Cost Maintenance

Compact packaging and light weight replacement sleeves make changing filters fast and convenient in HVAC units located throughout the building. This is particularly attractive for hospital patient areas, hotels, motels, schools, or small office buildings with unitary equipment or facilities with remote HVAC equipment such as rooftop or penthouse units.

Construction

Style	Upstream Layer	Downstream Layer	Total Media Thickness	Roll Length
S-1	1/2" polyester	Scrim	1/2"	135'
S-2	1" polyester	Scrim	1"	90'
P-1 (Service Rolls Only)	1/2" polyester	1/2" polyester	1"	45'

Slip-On panels and service rolls are classified U.L. Class 2.



CLARCOR Air Filtration Products
1612 N. Davis Ave., Ottawa, Kansas 66067
1-800-824-8739 • Fax 785-242-8700
Visit our Website - www.atl-filters.com
E-Mail Address - atl@atl-filters.com

CLARCOR Air Filtration Products has a policy of continuous research and development and reserves the right to change design and specifications without notice.



Service Rolls Offer Additional Savings

Rolls of Slip-On sleeves are available for users who want to cut their own sleeves. Service rolls are sewn on two sides. Simply cut off the desired length to provide low cost replacement sleeves. Cost per sleeve is substantially reduced, eliminating inventory of individual pre-cut sleeves.

Sizes

Ring Panels, Sleeves	Variety of sizes, including: 16 x 20 20 x 20 24 x 24 16 x 25 20 x 25
Service Rolls	Widths from 7" - 32"

Special sizes made to order.

Performance Data

Style	Average Arrestance	Initial Resistance (In. W.G.) @300 FPM	Recommended Final Resistance (In. W.G.)
S-1	85%	.15"	.50"
S-2	86%	.19"	.50"
P-1	88%	.20"	1.0"

Distributed by:



Filtech Inc.
 221 W. 8th Ave.
 West Homestead, PA 15120
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 Fax: 412-461-2846
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www.filtechinc.com

Price List No. 106-01
 Effective Date: April 7, 2008

**With Internal
Wire Frame**

SLIP-ON PANEL FILTERS
Standard Sizes

Product Class: **30S00**

Size (Inches) (WxHxD)	Item No.	Model No.	List Price	Package Quantity	Costars Price
10x20x ¹ / ₂	0240117	S117	\$5.01	24	\$2.86
12x20x ¹ / ₂	0240129	S120	5.29	24	3.02
14x20x ¹ / ₂	0240139	S139	5.94	24	3.39
14x25x ¹ / ₂	0240141	S141	6.36	24	3.63
15x20x ¹ / ₂	0240145	S145	6.06	24	3.45
16x20x ¹ / ₂	0240101	S101	6.06	24	3.45
16x25x ¹ / ₂	0240102	S102	6.36	24	3.63
20x20x ¹ / ₂	0240103	S103	6.36	24	3.63
20x25x ¹ / ₂	0240104	S104	7.04	24	4.01
24x24x ¹ / ₂	0240105	S105	7.45	24	4.25
15x20x1	0240245	S245	6.42	24	3.66
16x20x1	0240201	S201	6.42	24	3.66
16x25x1	0240202	S202	7.23	24	4.12
20x20x1	0240203	S203	7.23	24	4.12
20x25x1	0240204	S204	8.03	24	4.58
24x24x1	0240205	S205	8.52	24	4.86



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Price List No. 106-02
 Effective Date: April 7, 2008

**With Internal
Wire Frame**

SLIP-ON PANEL FILTERS Special Sizes

Product Class: **30S00**

Face Area (Sq. In.)	1/2" Filters (S-1) List Price	1" Filters (S-2) List Price	1/2" Filters (S-1) Costars Price	1" Filters (S-2) Costars Price
Less than 100	7.86	8.24	\$4.48	\$4.70
100 - 149	8.59	9.09	4.90	5.18
150 - 199	9.13	9.51	5.20	5.42
200 - 249	9.31	9.93	5.31	5.66
250 - 299	9.51	10.26	5.42	5.85
300 - 349	9.73	10.57	5.55	6.02
350 - 399	9.96	10.86	5.68	6.19
400 - 449	10.19	11.17	5.81	6.37
450 - 499	10.65	11.46	6.07	6.53
500 - 549	10.89	11.77	6.21	6.71
550 - 599	11.5	12.75	6.56	7.27
600 - 649	12.1	12.98	6.90	7.40
650 - 699	12.23	13.4	6.97	7.64
700 - 749	12.39	13.86	7.06	7.90
750 - 799	12.56	14.29	7.16	8.15
800 - 849	12.72	14.49	7.25	8.26
850 - 899	13.03	15.08	7.43	8.60
900 - 949	13.19	15.66	7.52	8.93
950 - 999	13.44	16.24	7.66	9.26
1000 - 1099	14.3	16.83	8.15	9.59



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Price List No. 106-03
 Effective Date: April 7, 2008

**Replacement
Sleeves Only**

SLIP-ON PANEL FILTERS Standard Sizes

Product Class: **30S00**

Item No.	Size (Inches) (WxHxD)	Model No.	List Price	Pkg. Qty.	Costars Price
0241117	10x20x1/2	R117	\$2.97	24	\$1.69
0241129	12x20x1/2	R120	3.20	24	\$1.82
0241139	14x20x1/2	R139	3.73	24	\$2.13
0241141	14x25x1/2	R141	3.84	24	\$2.19
0241145	15x20x1/2	R145	3.73	24	\$2.13
0241101	16x20x1/2	R101	3.73	24	\$2.13
0241102	16x25x1/2	R102	3.84	24	\$2.19
0241103	20x20x1/2	R103	3.84	24	\$2.19
0241104	20x25x1/2	R104	4.23	24	\$2.41
0241105	24x24x1/2	R105	4.49	24	\$2.56
0241245	15x20x1	R245	4.23	24	\$2.41
0241201	16x20x1	R201	4.23	24	\$2.41
0241202	16x25x1	R202	4.63	24	\$2.64
0241203	20x20x1	R203	4.63	24	\$2.64
0241204	20x25x1	R204	5.00	24	\$2.85
0241205	24x24x1	R205	5.47	24	\$3.12



Price List No. 106-04
 Effective Date: April 7, 2008

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Replacement Sleeves Only

SLIP-ON PANEL FILTERS
Special Sizes

Product Class: **30S00**

Gross Face Area (Sq. In.)	1/2" Filters (R-1)	1" Filters (R-2)	1/2" Filters (R-1)	1" Filters (R-2)
	List Price	List Price	Costars Price	Costars Price
Less than 100	4.07	4.59	\$2.32	\$2.62
100 - 149	4.07	4.59	2.32	2.62
150 - 199	4.07	4.59	2.32	2.62
200 - 249	4.07	4.59	2.32	2.62
250 - 299	4.07	4.59	2.32	2.62
300 - 349	4.07	4.59	2.32	2.62
350 - 399	4.41	5.00	2.51	2.85
400 - 449	4.94	5.62	2.82	3.20
450 - 499	5.45	6.27	3.11	3.57
500 - 549	5.97	6.81	3.40	3.88
550 - 599	6.50	7.44	3.71	4.24
600 - 649	6.81	8.01	3.88	4.57
650 - 699	7.00	8.06	3.99	4.59
700 - 749	7.58	8.65	4.32	4.93
750 - 799	8.06	9.38	4.59	5.35
800 - 849	8.65	9.87	4.93	5.63
850 - 899	9.14	10.53	5.21	6.00
900 - 949	9.62	11.09	5.48	6.32
950 - 999	10.02	11.71	5.71	6.67
1000 - 1099	11.05	12.19	6.30	6.95



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Price List No.	106-05
Effective Date:	April 7, 2008

SLIP-ON SERVICE ROLLS
 STANDARD SIZES

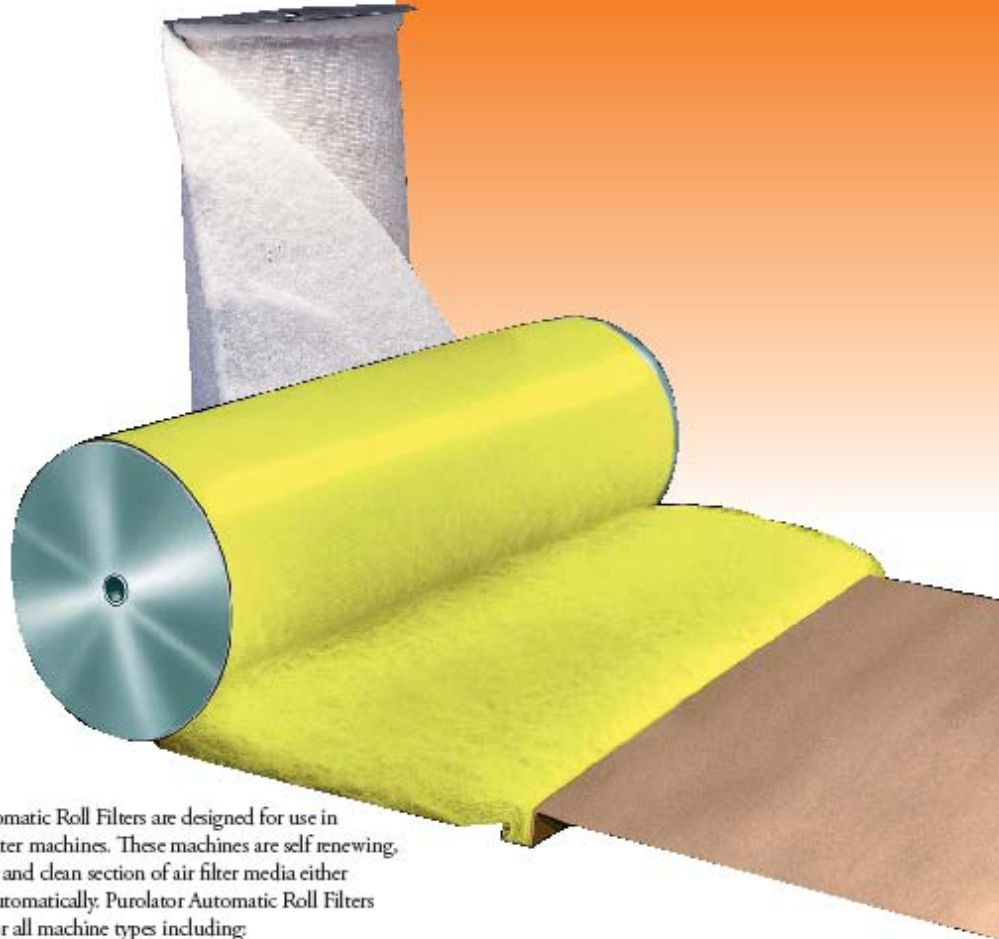
Product Class: 30S00

Roll Width	S-1		S-2		P-1		Package Quantity	S-1		S-2		P-1	
	Item No.	List Price	Item No.	List Price	Item No.	List Price		Item No.	Costars Price	Item No.	Costars Price	Item No.	Costars Price
7"	1061007	\$115.67	1062007	\$108.07	1066007	\$71.80	1	1061007	\$65.93	1062007	\$61.60	1066007	\$40.93
8"	1061008	119.55	1062008	110.86	1066008	73.91	1	1061008	68.14	1062008	63.19	1066008	42.13
9"	1061009	123.29	1062009	113.72	1066009	76.00	1	1061009	70.28	1062009	64.82	1066009	43.32
10"	1061010	126.33	1062010	115.02	1066010	76.60	1	1061010	72.01	1062010	65.56	1066010	43.66
11"	1061011	128.81	1062011	116.50	1066011	80.10	1	1061011	73.42	1062011	66.41	1066011	45.66
12"	1061012	131.94	1062012	117.34	1066012	80.75	1	1061012	75.21	1062012	66.88	1066012	46.03
14"	1061014	138.59	1062014	122.33	1066014	84.96	1	1061014	79.00	1062014	69.73	1066014	48.43
15"	1061015	144.06	1062015	127.90	1066015	88.94	1	1061015	82.11	1062015	72.90	1066015	50.70
16"	1061016	156.04	1062016	129.87	1066016	91.91	1	1061016	88.94	1062016	74.03	1066016	52.39
20"	1061020	169.53	1062020	149.32	1066020	102.12	1	1061020	96.63	1062020	85.11	1066020	58.21
24"	1061024	182.86	1062024	161.63	1066024	110.75	1	1061024	104.23	1062024	92.13	1066024	63.13
25"	1061025	187.13	1062025	163.76	1066025	112.84	1	1061025	106.66	1062025	93.34	1066025	64.32
30"	1061030	202.00	1062030	179.61	1066030	134.84	1	1061030	115.14	1062030	102.38	1066030	76.86
32"	1061032	207.21	1062032	186.46	1066032	138.11	1	1061032	118.11	1062032	106.28	1066032	78.72
Roll Length		135'		90'		45'			135'		90'		45'



Automatic Roll Filters

Replacements for all Auto Roll Filters



Purolator Automatic Roll Filters are designed for use in primary roll filter machines. These machines are self renewing, offering a new and clean section of air filter media either manually or automatically. Purolator Automatic Roll Filters are available for all machine types including:

- **AAF – Roll-O-Matic***
- **Continental – Conomatic or Conomanual***
- **Cambridge Auto Roll***
- **Carrier 31NA & 31NC Roll Filters***
- **Farr – Roll Kleen***
- **Airmaze – Roll-A-Maze***
- **Trane Company Roll Filter***

** Trade names are used for identification purposes only*

Purolator Automatic Roll Filters have been selected for use by industrial facilities, commercial buildings, government installations, schools and universities, and many other owners of automatic roll equipment. The Purolator replacement roll fits all existing requirements without modification, and filtration performance is guaranteed to equal or surpass original equipment.

Automatic Roll Filters

Replacements for all Auto Roll Filters

Introduction

Purolator Automatic Roll Filters are manufactured in modern facilities, utilizing the most advanced and sophisticated equipment and techniques, to assure a properly operating product every time. Purolator technology developed this technique with the equipment owner in mind to eliminate all potential problems, found in many products, of installing or during operation of the filter. In addition Purolator's continuous research and development programs provide the finest air filter media available for virtually any application.

Proper roll up techniques now put an end to those bothersome problems with which owners of roll filter equipment were forced to contend. Purolator Roll Filters are produced under a controlled process, assuring proper tension throughout the roll, and a perfectly straight windup, to insure that filter media is delivered to the air stream in its proper configuration.

Purolator Roll Filters are furnished with heavy kraft trailers and leaders secured by sewing to each roll end, to insure ease of installation. In addition, all roll filters are separately placed in sealed heavy plastic bags and furnished one roll per carton. All rolls are a standard length. * Each carton contains printed data indicating all approvals and coding performance characteristics.

Purolator Automatic Roll Filters are all tested in accordance with ASHRAE Standard 52.1-1992. Test results are available upon request.

** Refer to Product Bulletins*

Media Selection Information

Purolator offers a variety of media styles to select from

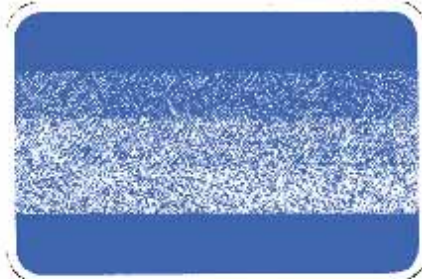
Every system differs, either by air flow, relative humidity, temperature conditions, or filtration level required. Therefore, no one universal filter media will always do the job. Purolator offers seven different automatic roll filter medias. Three of the medias are manufactured from fiberglass, and four are produced from synthetic fibers. Each owner of roll filter equipment can therefore evaluate his own air system and select from the specific Purolator media to meet the needs of his application.

However, no matter what media is selected they all have several common features which include:

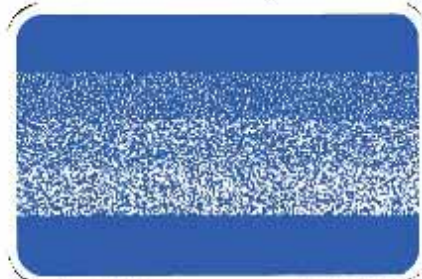
Scrim Backing – All Purolator roll filter medias are furnished with a scrim net backing to insure proper airstream configuration regardless of the conditions of the system.

Air Filter Adhesive – is applied to each square foot of media, at a measured rate by media type, to assure maximum filtration. This adhesive, colorless and odorless, will not run, drip, or entrap at constant operating temperatures up to 150° F

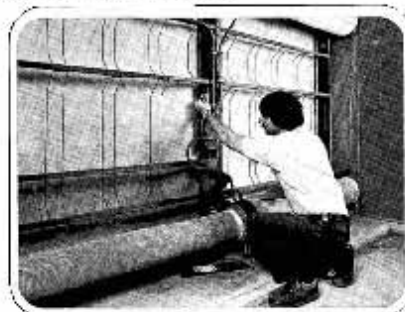
Graded Density Design – All Purolator automatic roll filter media is designed with a progressive density from front to rear (air entering to air leaving) to allow for maximum dirt loading throughout the media blanket. The dirt and dust buildup throughout the media blanket provides longer life and more efficient filtration



The Fiberglass Media is constructed of a multitude of fiberglass strands that form a graduated density for maximum dirt arrestance throughout the media.



The Synthetic Media is constructed of high loft virgin polyester with gradient fiber density that permits even depth loading and long life.



All Purolator Roll Filters are manufactured to exact specifications and dimensions of the original equipment. This insures ease of installation and operating efficiency.

Size and Selection Guide

System: American Air Filter Roll-O-Matic*

Filter Size	Actual Core Width	Model Designation
3	32-3/4"	3AE
4	44-3/4"	4AE
5	56-3/4"	5AE
6	68-3/4"	6AE
21	20-1/4"	21AE
22	22-1/4"	22AE
25	24-7/8"	25AE
32	31-7/8"	32AE
39	38-1/2"	39AE
40	39-7/8"	40AE

System: Cambridge* and/or Electro Air*

Filter Size	Actual Core Width	Model Designation
2	23-7/8"	2CB
3	32-7/8"	3CB
4	44-7/8"	4CB
5	56-7/8"	5CB
6 (Series I & II)	65-7/8"	6CB
6 (Series III)	68-7/8"	6HCB

System: Airmaze Roll A Maze*

Filter Size	Actual Core Width	Model Designation
2	20-1/2"	2AM
3	32-1/2"	3AM
4	44-1/2"	4AM
5	56-1/2"	5AM
6	68-1/2"	6AM

System: BLC and Purolator Industries*

Filter Size	Actual Core Width	Model Designation
2	24-5/8"	10B
3	34-5/8"	11B
4	46-5/8"	12B
5	58-5/8"	13B
6	70-5/8"	14B
7	38-5/8"	15B

System: Continental Conomauel & Conomatic*

Filter Size	Actual Core Width	Model Designation
2	21-7/8"	2C
3	31-7/8"	3C
4	43-7/8"	4C
5	55-7/8"	5C
6	67-7/8"	6C
36	35-7/8"	36C

System: Farr Co. Roll Kleen Filters*

Filter Size	Actual Core Width	Model Designation
3	33"	3F
4	45"	4F
5	57"	5F
6	69"	6F
12	9"	12F
18	15"	18F
22	21"	22F
28	27"	28F
32	33"	32F
38	39"	38F
42	45"	42F
48	51"	48F
52	57"	52F
20	21"	20F
26	27"	26F
30	33"	30F
36	39"	36F
40	45"	40F
46	51"	46F
50	57"	50F

System: Carrier Corporation*

Filter Size	Actual Core Width	Model Designation
31NA-20	26-1/4"	2CR
31NA-40	37-1/4"	3CR
31NA-50	47-1/4"	4CR
31NA-60	61-1/4"	6CR
31NA-20	23-1/2"	24CR
31NA-40	34-1/2"	35CR
31NA-50	44"	44CR
31NA-60	58"	58CR
31NA-70	68"	68CR

System: Trane Company Roll Filters*

Filter Size	Actual Core Width	Model Designation
RF3	19-3/8"	3T
RF6	21-3/8"	6T
RF7	19-3/8"	3T
RF8	31-3/8"	8T
RF9	21-3/8"	6T
RF10	31-3/8"	8T
RF12	35-3/8"	12T
RF14	35-3/8"	12T
RF17	31-3/8"	8T
RF21	31-3/8"	8T
RF24	35-3/8"	12T
RF25	35-3/8"	12T
RF31	45-3/8"	31T
RF35	54-3/8"	35T
RF41	59-3/8"	41T
RF50	63-3/8"	50T
RF63	45-3/8" (2)	31T (2)
	25-3/4"	26T
	38-3/4"	38T
	50-1/4"	51T
	61-3/4"	61T

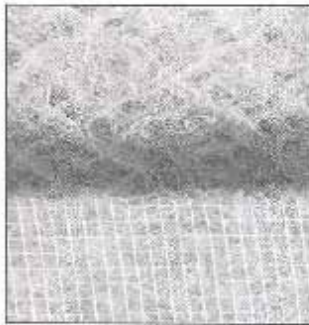
* System and brand names used for identification purposes.

NOTE: Model Designations Indicate the Purolator reference for specific machine type or width. To complete the Model Number, the media suffix must appear e.g. 3AE-FG (See Media Selection Chart for alternates).

Automatic Roll Filters

Replacements for all Auto Roll Filters

Fiberglass and Synthetic medias for every application



Fiberglass Media

For years, the most popular of all air filter medias, literally miles and miles of fiberglass strands reinforced with a thermosetting bonding agent, form this highly resilient blanket.

Type CF – Where the customer preference for economy is paramount, CF Media is made with a lighter weight fiber content.

Type YTS – YTS delivers more for the dollar spent in media. This media out-

performs virtually all competitive roll filter medias. It is recommended also where velocities are at 500 FPM, and normal dirt conditions are present.

Type SHP – A specialty fiberglass media, this highly dense air filter blanket will perform under the most severe conditions. It is recommended where velocities are extreme and dirt loads are either very heavy or unpredictable.



Synthetic Media

For those customers preferring a synthetic air filter media, Purolator offers four styles. Constructed from high loft bulk fibers of post consumer recycled polyester fibers, synthetic media has increased steadily in popularity, particularly in the food, pharmaceutical, and electronic components industries.

Type DSF (1/2") – The most widely used synthetic auto roll media, the purchase price is approximately equal to comparable glass rolls. Recommended where air velocities are 500 FPM and dirt loads are normal.

Type DMC (1") – A specially designed, heavy weight polyester synthetic media, Type DMC is especially well suited for industrial applications, or other installations where airborne dirt is heavy. A fully lofted media, furnished with a scrim net backing make this an appropriate choice for more extreme conditions.

Type DL-I (1") – This unique media is recommended where dirt loads are heavy and velocities are above normal. Type DL-1 delivers high dirt arrestance values.

Type DL-II (2") – This thick resilient blanket has the performance characteristics of high quality fiberglass with the advantages of a synthetic media. High dust holding and high arrestance characterize this media.

P-AUTOROLL-1206



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Price List No. 112-07
Effective Date: December 19, 2008

Synthetic Media
(Dry)

TYPE DSF
Automatic Roll Filter Media
1/2" Thick x 65' Long

Item Number	Filter Size	Actual Core Width	Model Number	Old Puroator Model No.	Weight Per Roll	List Price	Costars Price
SYSTEM: AIR MAZE ROLL-A-MAZE							
0922020	2	20 1/2	2AM-DSF	MP 20.25	8.8	\$84.42	\$48.12
0922030	3	32 1/2	3AM-DSF	MP 32.25	13.8	102.41	58.37
0922040	4	44 1/2	4AM-DSF	MP 44.5	18.8	130.08	74.15
0922050	5	56 1/2	5AM-DSF	MP 56.5	23.8	160.55	91.51
0922060	6	68 1/2	6AM-DSF	MP 68.5	28.8	188.21	107.28
SYSTEM: AMERICAN AIR FILTER ROLL-O-MATI							
0920030	3	32 1/2	3AE-DSF	AP 32.75	13.8	\$102.41	\$58.37
0920040	4	44 1/2	4AE-DSF	AP 44.75	18.8	130.08	74.15
0920050	5	56 1/2	5AE-DSF	AP 56.75	23.8	160.55	91.51
0920060	6	68 1/2	6AE-DSF	AP 68.75	28.8	188.21	107.28
0920210	21	20 1/2	21AE-DSF	AP 20.25	8.8	97.35	55.49
0920220	22	22 1/2	22AE-DSF	AP 22.25	9.6	97.35	55.49
0920250	25	24 1/2	25AE-DSF	AP 24.875	10.4	97.35	55.49
0920320	32	31 1/2	32AE-DSF	AP 31.875	13.3	102.41	58.37
0920390	39	38 1/2	39AE-DSF	AP 38.5	16.3	130.08	74.15
0920400	40	39 1/2	40AE-DSF	AP 39.875	16.7	130.08	74.15
SYSTEM: BLC AUTOMATIC ROLL MACHINI							
0928100	2	24 1/2	10B-DSF	N/A	12.3	\$84.42	\$48.12
0928110	3	34 1/2	11B-DSF	N/A	15.2	102.41	58.37
0928120	4	46 1/2	12B-DSF	N/A	19.6	130.08	74.15
0928130	5	58 1/2	13B-DSF	N/A	25.1	160.55	91.51
0928140	6	70 1/2	14B-DSF	N/A	29.8	188.21	107.28
0928150	7	82 1/2	15B-DSF	N/A	40.0	130.08	74.15
SYSTEM: CAMBRIDGE AND/OR ELECTROAIR							
0921020	2	23 1/2	2CB-DSF	CP 23.75	12.3	\$84.42	\$48.12
0921030	3	32 1/2	3CB-DSF	CP 32.75	15.2	102.41	58.37
0921040	4	44 1/2	4CB-DSF	CP 44.75	19.6	130.08	74.15
0921050	5	56 1/2	5CB-DSF	CP 56.75	25.1	160.55	91.51
0921060	6	65 1/2	6CB-DSF	CP 65.75	29.8	188.21	107.28
0921065	6*	69 1/2	6HCB-DSF	CP 68.75	28.8	199.29	113.60
SYSTEM: CARRIER CORP. MODEL 31NA ROLL FILTER							
0924020	31NA-20	26 1/2	2CR-DSF	CAP 26.26	11.3	\$102.41	\$58.37
0924030	31NA-40	37 1/2	3CR-DSF	CAP 37.26	15.8	130.08	74.15
0924040	31NA-60	47 1/2	4CR-DSF	CAP 47.26	20.0	160.55	91.51
0924060	31NA-60	61 1/2	6CR-DSF	CAP 61.26	25.8	188.21	107.28
0924024	31NC-20	23 1/2	24CR-DSF	CAP 63.5	10.2	84.42	48.12
0924035	21NC-40	34 1/2	35CR-DSF	CAP 34.5	13.8	130.08	74.15
0924044	31NC-50	44	44CR-DSF	CAP 44	18.8	130.08	74.15
0924058	31NC-60	58	58CR-DSF	CAP 58	23.8	160.55	91.51
0924068	31NC-70	68	68CR-DSF	CAP 68	28.2	188.21	107.28
SYSTEM: CONTINENTAL AIR FILTER CONOMANUAL & CONOMATIC							
0925020	2	217/8	2C-DSF	COP 21.875	9.2	\$84.42	\$48.12
0925030	3	317/8	3C-DSF	COP 31.875	13.3	102.41	58.37
0925040	4	437/8	4C-DSF	COP 43.875	18.3	130.08	74.15
0925050	5	557/8	5C-DSF	COP 55.875	23.3	160.55	91.51
0925060	6	677/8	6C-DSF	COP 67.875	28.3	188.21	107.28
0925360	36	36C-DSF	36C-DSF	COP 38.875	15.0	130.08	74.15
SYSTEM: FARR COMPANY ROLL KLEEN FILTERS							
0923030	3	33	3F-DSF	FP 32.75	13.8	\$102.41	\$58.37
0923040	4	45	4F-DSF	FP 44.75	18.8	130.08	74.15
0923050	5	57	5F-DSF	FP 56.75	23.8	160.55	91.51
0923060	6	69	6F-DSF	FP 68.75	28.8	188.21	107.28
0923120	12	9	12F-DSF	FP 9	3.8	58.13	33.13
0923180	18	15	18F-DSF	FP 15	6.3	84.42	48.12
0923200	20	21	20F-DSF	FP 21	8.8	84.42	48.12
0923200	22	21	20F-DSF	FP 21	8.8	84.42	48.12
0923260	26	27	26F-DSF	FP 27	11.3	102.41	58.37
0923260	28	27	26F-DSF	FP 27	11.3	102.41	58.37
0923300	30	33	3F-DSF	FP 32.75	13.8	102.41	58.37
0923300	32	33	3F-DSF	FP 32.75	13.8	102.41	58.37
0923360	36	39	36F-DSF	FP 39	16.3	130.08	74.15
0923360	38	39	36F-DSF	FP 39	16.3	130.08	74.15
0923040	40	45	4F-DSF	FP 44.75	18.8	130.08	74.15
0923040	42	45	4F-DSF	FP 44.75	18.8	130.08	74.15
0923460	46	51	46F-DSF	FP 51	21.3	160.55	91.51
0923460	48	51	46F-DSF	FP 51	21.3	160.55	91.51
0923050	50	57	5F-DSF	FP 56.75	23.8	160.55	91.51
0923050	52	57	5F-DSF	FP 56.75	23.8	160.55	91.51
SYSTEM: TRANE COMPANY ROLL FILTERS							
0926030	RF3	193/8	3T-DSF	TP 19.375	8.3	\$84.42	\$48.12
0926060	RF6	213/8	6T-DSF	TP 21.375	9.2	84.42	48.12
0926030	RF7	193/8	3T-DSF	TP 19.375	8.3	84.42	48.12
0926080	RF8	313/8	8T-DSF	TP 31.375	13.3	102.41	58.37
0926060	RF9	213/8	6T-DSF	TP 21.375	9.2	84.42	48.12
0926080	RF10	313/8	8T-DSF	TP 31.375	13.3	102.41	58.37
0926120	RF12	353/8	12T-DSF	TP 35.375	15.0	130.08	74.15
0926120	RF14	353/8	12T-DSF	TP 35.375	15.0	130.08	74.15
0926080	RF17	313/8	8T-DSF	TP 31.375	13.3	102.41	58.37
0926080	RF21	313/8	8T-DSF	TP 31.375	13.3	102.41	58.37
0926120	RF24	353/8	12T-DSF	TP 35.375	15.0	130.08	74.15
0926120	RF25	353/8	12T-DSF	TP 35.375	15.0	130.08	74.15
0926310	RF31	453/8	31T-DSF	TP 45.375	19.2	130.08	74.15
0926350	RF35	543/8	35T-DSF	TP 54.375	22.9	160.55	91.51
0926410	RF41	593/8	41T-DSF	TP 59.375	25.0	160.55	91.51
0926500	RF50	633/8	50T-DSF	TP 63.375	26.7	188.21	107.28
0926315	RF63	453/8 (2)	31T(2)-DSF	TP 45.375	38.4	260.20	148.31
0926260		253/4	26T-DSF	TP 25.75	10.8	84.42	48.12
0926380		383/4	38T-DSF	TP 38.75	16.3	130.08	74.15
0926510		501/4	51T-DSF	TP 50.25	21.3	160.55	91.51
0926610		613/4	61T-DSF	TP 61.75	25.8	188.21	107.28