Purolator™

SERVA-PAK™ S

Synthetic Bag Filters

Unique Sonic Weld Configuration For Superior Air Flow And Uniform Media Separation:

- **High Density Synthetic Microfibers**
- **MERV 11 to MERV 15 Performance**
- **Corrosion-Resistant Galvanized Header**
- **Rigid Internal Support**

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.

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 sonic weld fabric ribbon separators 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 pre-filter 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 microfine 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 ensures the integrity of the filter mat and eliminates fiber shedding.

SERVA-PAK™ S

Synthetic Bag Filters

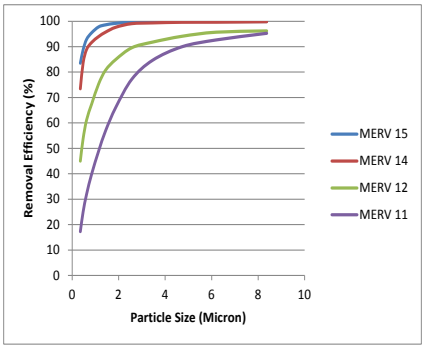
Nominal Size	# of Pockets	Media Area	Rated Face Velocity (FPM)	Rated Air Flow (CFM)	Initial Resistance (In. W.G.) SP95S MERV 15	SP85S MERV 14	SP65S MERV 12	SP50S MERV 11
24x24x36	10	129	500	2000	0.37	0.29	0.23	0.21
24x24x36	8	105	500	2000	0.35	0.26	0.20	0.18
24x24x36	6	82	500	2000	0.41	0.32	0.24	0.20
24x24x30	10	107	500	2000	0.43	0.41	0.31	0.28
24x24x30	8	88	500	2000	0.40	0.38	0.27	0.25
24x24x30	6	68	500	2000	0.44	0.42	0.33	0.30
24x24x26	10	93	500	2000	0.41	0.39	0.28	0.26
24x24x26	8	76	500	2000	0.42	0.40	0.29	0.27
24x24x26	6	59	500	2000	0.45	0.43	0.31	0.30
24x24x22	10	79	500	2000	0.42	0.33	0.25	0.21
24x24x22	8	64	500	2000	0.44	0.40	0.29	0.27
24x24x22	6	50	500	2000	0.48	0.45	0.34	0.31
24x12x22	4	32	500	1000	0.44	0.40	0.29	0.27
24x12x22	3	25	500	1000	0.48	0.45	0.34	0.31
24x24x18	10	64	500	2000	0.44	0.40	0.29	0.27
24x24x18	8	53	500	2000	0.48	0.45	0.34	0.31
24x24x18	6	41	500	2000	0.55	0.52	0.48	0.39
24x12x18	4	26	500	1000	0.48	0.45	0.34	0.31
24x12x18	3	20	500	1000	0.55	0.52	0.48	0.39
24x24x15	10	54	375	1500	0.60	0.55	0.16	0.16
24x24x15	8	44	375	1500	0.65	0.60	0.18	0.18
24x24x15	6	34	375	1500	0.75	0.60	0.18	0.18
24x12x15	4	22	375	750	0.65	0.60	0.18	0.18
24x12x15	3	17	375	750	0.75	0.60	0.18	0.18
24x24x12	10	43	375	1500	0.65	0.50	0.17	0.17
24x24x12	8	35	375	1500	0.75	0.60	0.18	0.18
24x24x12	6	27	375	1500	0.80	0.65	0.23	0.23

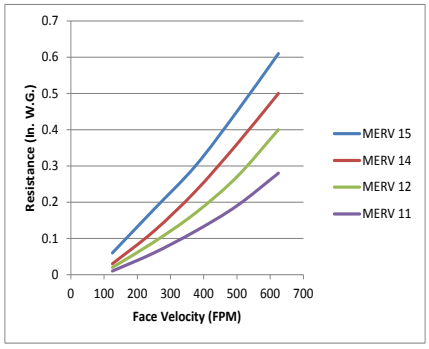
Minimum Pocket Depth: 10"
Maximum Pocket Depth: 36"

Notes:

1. Performance data per ASHRAE Standard 52.2-2012, tested at 492 FPM face velocity on 24x24x30, 8 pocket filters.
2. Standard header face dimensions are 5/8" less than nominal size.
3. Standard header thickness is 13/16".
4. Optional C-Header (1-1/8" thickness) and E-Header (1" thickness) available for standard header sizes only.
5. Depth measures from the front of the header to the end of the pocket.
6. Recommended maximum final resistance: 1.5" W.G.
7. Filters classified per UL Standard 900 for Flammability.
8. Custom sizes available. Contact factory for availability and pricing.

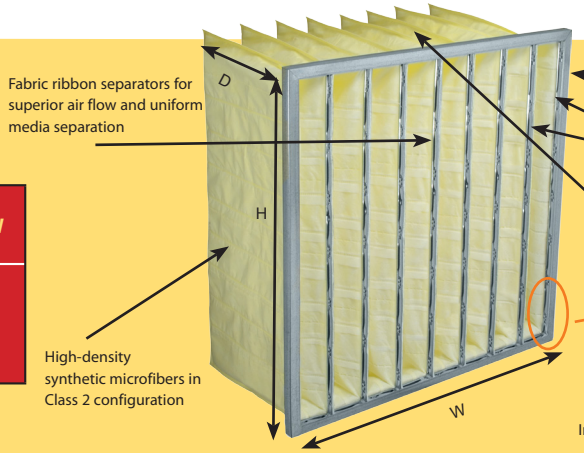
Serva-Pak S Standard Header Size Chart				
Size Code	Nominal Size (H x W)	Catalog Size	Actual Size (H X W)	# of Pockets
A	24 X 24	Yes	23-3/8 X 23-3/8	06 - 12
B	24 X 12	Yes	23-3/8 X 11-3/8	03 - 05
C	12 X 24	Yes	11-3/8 X 23-3/8	05 - 12
D	24 X 20	Yes	23-3/8 X 19-3/8	05 - 09
E	20 X 24	No	19-3/8 X 23-3/8	05 - 12
F	20 X 20	No	19-3/8 X 19-3/8	04 - 09
G	20 X 16	No	19-3/8 X 15-3/8	03 - 07
H	16 X 20	No	15-3/8 X 19-3/8	04 - 09
J	25 X 16	No	24-3/8 X 15-3/8	06 - 07
K	16 X 25	No	15-3/8 X 24-3/8	05 - 12
L	25 X 20	No	24-3/8 X 19-3/8	07 - 09
M	20 X 25	No	19-3/8 X 24-3/8	05 - 12





Media Efficiency

SERVA-PAK S Series	Media Color	Average Arrestance	MERV
SP50S	White	95%	11
SP65S	Orange	97%	12
SP85S	Pink	98%	14
SP95S	Yellow	99%	15



Frame Features

- Corrosion-resistant, galvanized header
- Rigid internal support
- Interlocking mitered corners

P-SPAKS-0713

Purolator

www.purolatorair.com

Distributed by:

CLARCOR Air Filtration Products
100 River Ridge Circle • Jeffersonville, IN 47130
Customer Service: 1-866-925-2247 • Fax: 1-866-601-1809
Email: info@purolatorair.com • www.purolatorair.com