

Extended Surface Pocket Filters/Bag Filters

FEATURES

Engineered to withstand the most demanding applications, the Flo-Pak bag filter now utilizes an internal stitch design. Years of development and the highest quality raw materials available are combined to create manufacturing air bag filters unmatched in performance and value.

CONSTRUCTION

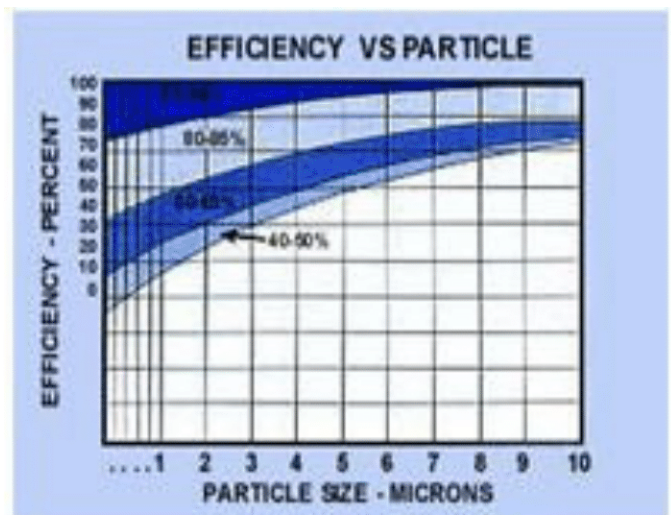
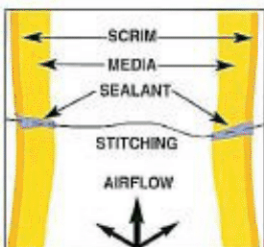
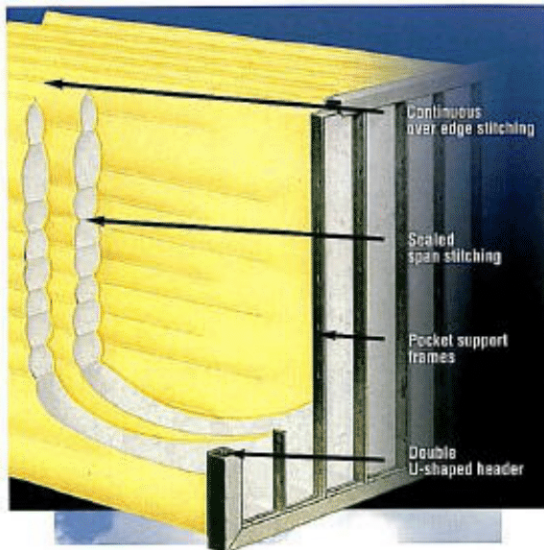
Flo-Pak manufacturing air bag filters are constructed with ultra-fine fiberglass or synthetic filtration media. The media is mechanically attached to a corrosion resistant header. Each component of the header is combined to create a total system, design for maximum durability. The shape of the pockets allows each one to fully inflate without touching the adjacent pockets. Particulate is evenly collected throughout the entire depth of the filter, thus utilizing every square inch of media.

APPLICATIONS

The Flo-Pak extended surface bag filter was developed to provide dependable performance in commercial and industrial applications. Hospitals, manufacturing plants and office buildings can depend on Flo-Pak's reliability in the protection of their HVAC equipment and occupants.

Special pocket depths available

- Low pressure drop
- Unaffected by moisture or humidity
- Available in 4 efficiency ranges
- 90-95%
- 80-85%
- 60-65%
- 40-50%



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Extended Surface Pocket Filters / Technical Data

Nominal Size (inches) (H X W X D)	Number of Pockets	Media Area (SQ. FT)	Air Flow Capacity (CFM)			Rated Initial Resistance (inches of Water Gauge) @ 500 FPM				
			375 FPM	500 FPM	625 FPM	90-95% MERV 15	80-85% MERV 13	60-65% MERV 11	40-45% MERV 9	30-35% MERV 8
24 x 24 x 36	9	113	1500	2000	2500	.42	.33	.27	-	-
24 x 24 x 36	8	100	1500	2000	2500	.44	.35	.29	-	-
24 x 24 x 36	7	91	1500	2000	2500	.46	.37	.31	-	-
24 x 24 x 36	6	78	1500	2000	2500	.49	.40	.33	-	-
24 x 12 x 36	3	39	750	1000	1250	.49	.40	.33	-	-
12 x 24 x 36	6	41	750	1000	1250	.49	.40	.33	-	-
20 x 20 x 33	5	51	1050	1400	1750	.51	.42	.37	-	-
24 x 24 x 32	10	112	1500	2000	2500	.45	.36	.30	-	-
24 x 12 x 32	5	56	750	1000	1250	.45	.36	.30	-	-
24 x 24 x 29	10	101	1500	2000	2500	.47	.38	.32	-	-
24 x 24 x 29	8	81	1500	2000	2500	.45	.36	.30	.23	-
24 x 24 x 29	6	63	1500	2000	2500	.49	.40	.34	.26	-
24 x 12 x 29	4	41	750	1000	1250	.45	.36	.30	.23	-
24 x 12 x 29	3	32	750	1000	1250	.49	.40	.34	.26	-
12 x 24 x 29	6	33	750	1000	1250	.49	.40	.34	.26	-
24 x 20 x 29	5	53	1250	1650	2050	.49	.40	.34	.26	-
20 x 24 x 29	6	53	1250	1650	2050	.49	.40	.34	.26	-
24 x 24 x 25	10	88	1500	2000	2500	.48	.39	.33	-	-
24 x 24 x 22	10	77	1500	2000	2500	.52	.46	.37	-	-
24 x 24 x 22	8	62	1500	2000	2500	.50	.44	.35	.29	-
24 x 12 x 22	5	39	750	1000	1250	.52	.44	.37	-	-
24 x 12 x 22	4	31	750	1000	1250	.50	.46	.35	.29	-
24 x 20 x 22	7	54	1250	1650	2050	.50	.46	.35	.29	-
24 x 24 x 20	5	39	1500	2000	2500	-	-	-	-	.12
24 x 24 x 18	9	57	1500	2000	2500	.57	.50	.40	.34	-
24 x 24 x 15	12	63	1500	2000	2500	.65	.55	-	-	-
24 x 24 x 12	5	22	1500	2000	2500	-	-	-	-	.17
24 x 12 x 12	3	14	750	1000	1250	-	-	-	-	.17

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Nominal Size (inches) (H X W X D)	Number of Pockets	Media Area (SQ. FT)	Air Flow Capacity (CFM)			Rated Initial Resistance (inches of Water Gauge) @ 375 FPM				
			375 FPM	500 FPM	625 FPM	90-95% MERV 15	80-85% MERV 13	60-65% MERV 11	40-45% MERV 9	30-35% MERV 8
24 x 24 x 22	6	47	1500	2000	N/R	.40	.30	.20	.18	-
24 x 12 x 22	3	24	750	1000	N/R	.40	.30	.20	.18	-
12 x 24 x 22	6	26	750	1000	N/R	.40	.30	.20	.18	-
24 x 20 x 22	5	39	1250	1650	N/R	.40	.30	.20	.18	-
20 x 20 x 22	5	34	1050	1400	N/R	.40	.30	.20	.18	-
24 x 24 x 21	6	46	1500	2000	N/R	-	-	-	.18	-
24 x 20 x 21	3	23	750	1000	N/R	-	-	-	.18	-
24 x 12 x 21	5	38	1250	1650	N/R	-	-	-	.18	-
20 x 20 x 21	5	33	1050	1400	N/R	-	-	-	.18	-
24 x 24 x 18	6	38	1500	2000	N/R	.43	.38	.22	.20	-
24 x 12 x 18	3	19	750	1000	N/R	.43	.38	.22	.20	-
24 x 24 x 15	10	53	1500	2000	N/R	.40	.35	.19	.16	-
24 x 12 x 15	5	27	750	1000	N/R	.40	.35	.19	.16	-
24 x 20 x 15	8	42	1250	1650	N/R	.40	.35	.19	.16	-
24 x 24 x 14	6	31	1500	2000	N/R	.46	.41	.25	.22	-
24 x 12 x 14	3	16	750	1000	N/R	.46	.41	.25	.22	-
24 x 24 x 10	6	22	1500	2000	N/R	-	-	-	.25	-
24 x 12 x 10	3	11	750	1000	N/R	-	-	-	.25	-

- 1) N/R– Not recommended
- 2) Actual size of face dimensions are 5/8" less than nominal. Header thickness is 13/16. Other headers are available: C = 1-1/8", E = 1".
- 3) Filter depths are measured from front of header to end of pockets with a tolerance of +/- 1". Custom sizes are available on special order.
- 4) Performance data is based on ASHRAE 52.1 and 52.2 Test Methods. Tolerances conform Section 7.4 of ARI Standard 850-93.
- 5) Recommended final resistance is 1.5"W.G.

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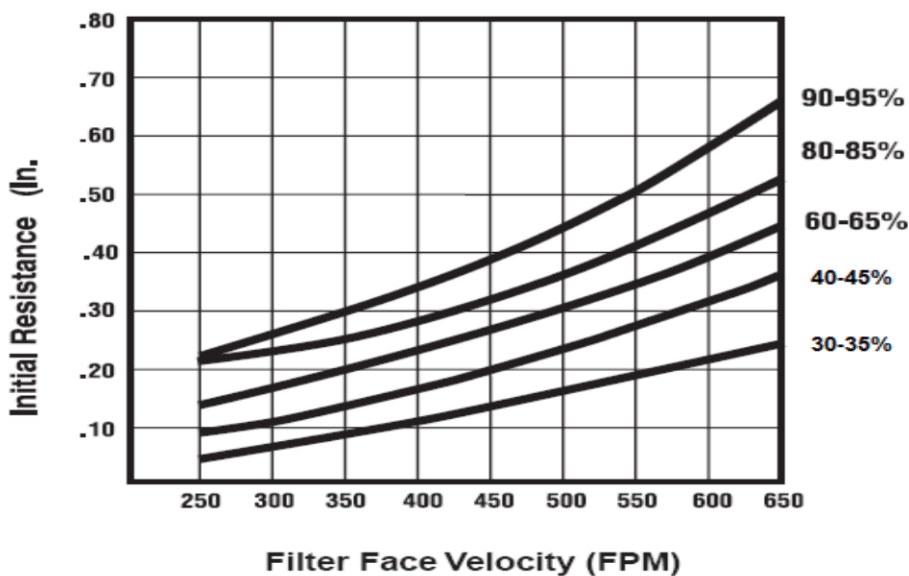
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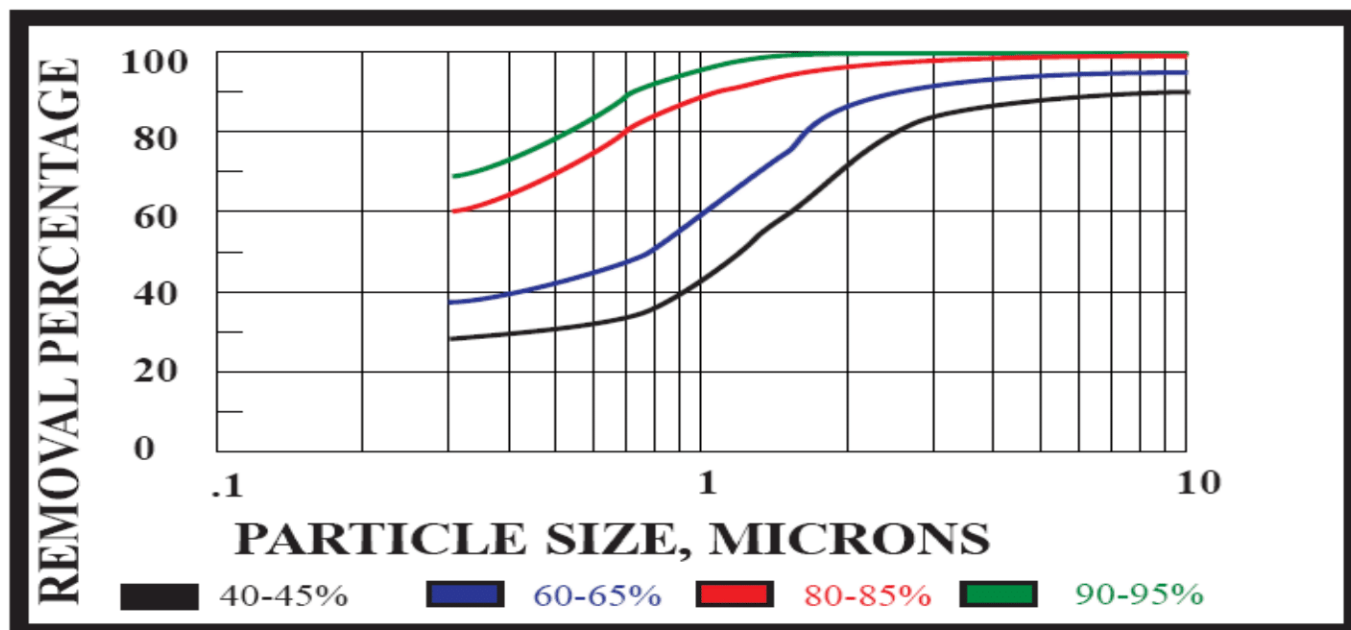
Initial Resistance vs. Filter Face Velocity



Resistance is based on the 8 pocket, 29" long model.

Resistance of 30-35% is based on the 5 pocket, 12" long model.

MINIMUM PARTICLE SIZE EFFICIENCY Test Filter Size 24" x 24" x 29" 8 PKT Nominal



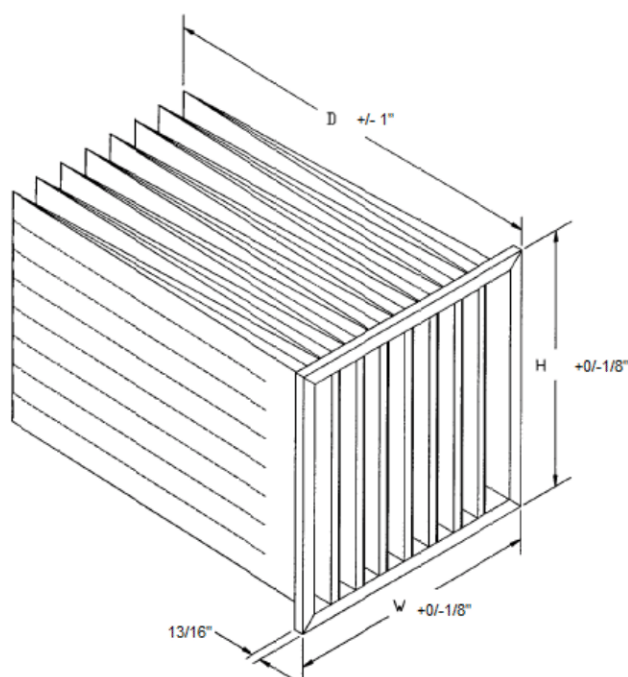
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STANDARD CONSTRUCTION

1. High Efficiency, Meltblown Synthetic Media
2. Sewn Pocket Construction
3. Span Stich Pocket Separators
4. Galvanized Steel Header
5. Galvanized Steel Pocket Retainers

NOTES

1. Four Efficiencies Available (Media Color in Parentheses)
90-95% ASHRAE 52.1-1992, MERV 14 ASHRAE 52.2-1999 (Yellow)
80-85% ASHRAE 52.1-1992, MERV 13 ASHRAE 52.2-1999 (Pink)
60-65% ASHRAE 52.1-1992, MERV 12 ASHRAE 52.2-1999 (Orange)
40-45% ASHRAE 52.1-1992, MERV 11 ASHRAE 52.2-1999 (Tan)
2. Final Resistance: 1.5" W.G.
3. Rated Velocity: 500 FPM
4. Class 2 Filter Per U.L. Standard 900
5. Maximum Operating Temperature: 190 deg. F
6. Optional Gasket Available
U - Upstream Gasket
D - Downstream Gasket
UD - Both Sides
SA - Side Access
P - Perimeter
7. Optional Headers Available
C - 1-1/8" Header ("C" Header)
E - 1" Header
8. Pocket Loops Available
L - Loops on Top, Each Pocket
LTB - Loops on Top and Bottom, Each Pocket

	TOLERANCES UNLESS OTHERWISE SPECIFIED		DRAWING NAME Flo- Pak Pocket Filters		
	FRACTIONAL		APPROVED BY	SPECIFICATION NO.	PAGE 1 of 1
	DECIMAL		SCALE NONE	DWG. SIZE A	REVISION
	ANGLES				REVISION DATE 10-19-02
A.L. DIMENSIONS IN INCHES					

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