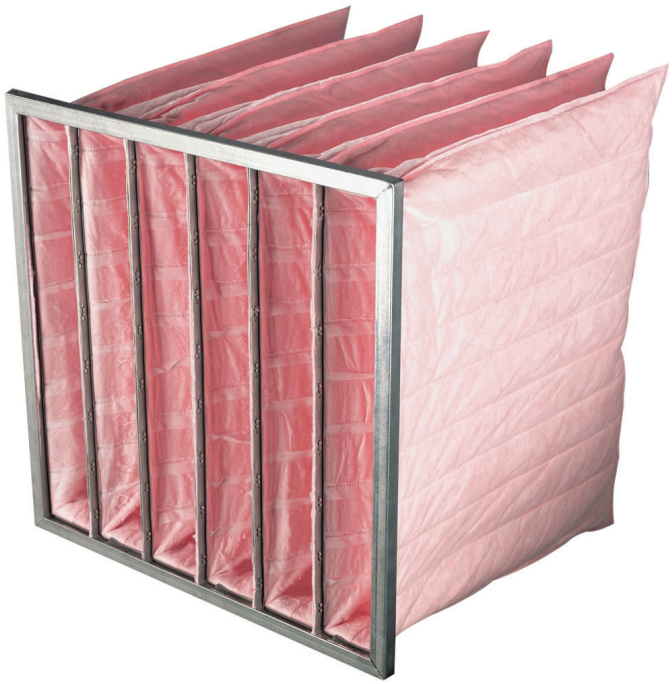
FG™
Indoor Air Quality



PRODUCT OVERVIEW

- MERV 11, 12, 13, 15
- Ultrasonic welded synthetic media
- Available in standard configuration and with Cambridge header, optional pocket support loops and gasketing
- Max Temperature - 150˚F
- Ideal for use in
  - Office and Retail
  - Manufacturing and Distribution
  - Government and Education facilities
  - Doctor offices, assisted living facilities and Hospitals
  - Hotels and Airports
  - Primary or secondary filter in HVAC systems
- US Patents 6,159,316 and 6,258,142

AEROSTAR® SONIQ POCKET FILTERS

WHY THE SONIQ POCKET?

- Constructed of a moisture-resistant, synthetic media with patented ultrasonic welded media technology
- Synthetic media consists of a strategically layered and blended melt-blown polypropylene fibers fastened to a non-shed, polypropylene backing
- Design creates a dual-stage filtration effect with the final layer capturing the smaller particulates from the air stream
- Patented ultrasonic welding process allows the filter to be manufactured having no stitch holes in the media
- Ribbon separators are incorporated into each pocket to effectively channel air throughout the media to prevent excessive turbulence and allow even contaminant loading during the entire life of the filter
- Header constructed of 26 gauge galvanized steel with rolled edges to provide rigid support to the filter face and allow for easier handling
- Non-shed media eliminates fiber migration downstream
- Ultrasonic welding provides lower resistance with no disruption to the integrity of the filter
- Pocket design and spacing produce a product that is aerodynamically balanced and provides excellent all-around performance

United States • Phone: +1 800 739.4600 • aerostar@filtrationgroup.com | Canada • Phone: +1 888 628.3458 • inquirycanada@filtrationgroup.com
FiltrationGroupIAQ.com

AEROSTAR® SONIQ POCKET FILTER

PERFORMANCE DATA (24 x 24)

FILTER DEPTH	INITIAL RESISTANCE ("w.g.) at 500 fpm						FINAL RESISTANCE ("w.g.)
	MERV 12		MERV 13		MERV 15		
	6 PKT	8 PKT	6 PKT	8 PKT	6 PKT	8 PKT	
12"	0.45	0.39	0.62	0.54	0.98	0.80	1.0
15"	0.42	0.36	0.52	0.42	0.72	0.58	1.0
22"	0.33	0.29	0.35	0.32	0.49	0.43	1.0
29"	0.31	0.26	0.34	0.29	0.41	0.33	1.0
36"	0.37	0.28	0.41	0.34	0.45	0.36	1.0

PRODUCT DATA - 24" WIDTH

MERV 11 PART NO.	MERV 12 PART NO.	MERV 13 PART NO.	MERV 15 PART NO.	NOMINAL SIZE* (H" x W" x D")	ACTUAL SIZE (H" x W" x D")	NUMBER OF POCKETS	MEDIA AREA (SQ. FT.)
78218	59307	58459	22583	24 x 24 x 10	23 ⅜ x 23 ⅜ x 10	6	22
778048 79305	18352 18348	18312 18308	18272 18268	24 x 24 x 12	23 ⅜ x 23 ⅜ x 12	6 8	30 38
78051 78717 78207	18360 18356 56064	18320 18316 19345	18280 18276 19442	24 x 24 x 15	23 ⅜ x 23 ⅜ x 15	6 8 12	33 42 64
78206 78208 53687	18368 18364 19365	18328 18324 53382	18288 18284 19460	24 x 24 x 22	23 ⅜ x 23 ⅜ x 22	6 8 10	48 62 76
302332 303388 303389	18376 18372 22576	18336 18332 19490	18296 18292 58302	24 x 24 x 29	23 ⅜ x 23 ⅜ x 29	6 8 10	66 84 103
303390 303396 303397	18384 18380 22577	18344 18340 56074	18304 18300 56962	24 x 24 x 36	23 ⅜ x 23 ⅜ x 36	6 8 10	84 102 124

PRODUCT DATA - 12" WIDTH

MERV 11 PART NO.	MERV 12 PART NO.	MERV 13 PART NO.	MERV 15 PART NO.	NOMINAL SIZE* (H" x W" x D")	ACTUAL SIZE (H" x W" x D")	NUMBER OF POCKETS	MEDIA AREA (SQ. FT.)
55867	59308	58460	75957	24 x 12 x 10	23 ⅜ x 11 ⅜ x 10	3	11
79306	18351	18311	18271	24 x 12 x 12	23 ⅜ x 11 ⅜ x 12	4	19
78215 - 78360	18363 18359 56262	18323 18319 19342	18283 18279 19443	24 x 12 x 15	23 ⅜ x 11 ⅜ x 15	3 4 6	16 21 32
78216 303381	18371 18367	18331 18327	18291 18287	24 x 12 x 22	23 ⅜ x 11 ⅜ x 22	3 4	24 31
303382 303383	18379 18375	18339 18335	18299 18295	24 x 12 x 29	23 ⅜ x 11 ⅜ x 29	3 4	33 42
303384 303385	18387 18383	18347 18343	18307 18303	24 x 12 x 36	23 ⅜ x 11 ⅜ x 36	3 4	39 51

**Contact Customer Care for special sizes*

ENGINEERING SPECIFICATIONS

1.0 General

1.1 Filters shall be Aerostar® SoniQ Pocket air filters as manufactured by Filtration Group.
1.2 Filters shall be available in 4 efficiency levels with a depth of 12-36".
1.3 Underwriters Laboratories classified to UL 900.
1.4 Filters are manufactured by an ISO 9001 registered company.

2.0 Filter Materials of Construction

2.1 Media shall be 100% synthetic that does not support microbial growth.
2.2 The media shall be sonically bonded by a patented process to form pockets as to not allow for by-pass.
2.3 The pockets shall be attached internally by synthetic bands to reduce vibration and stabilize the filter during its life.
2.4 Media shall be adhered to all frame components to eliminate by-pass and maintain integrity throughout life.
2.5 Frame shall be made fully of 26 ga. Galvanized steel.

3.0 Filter Performance

3.1 Filters shall be available in MERV 11, 12, 13 and 15 when tested in accordance with ASHRAE 52.2 Test Standard.
3.2 MERV 13 provides points to meet LEED certification.
3.3 Filters shall be rated to withstand a continuous operating temperature of up to 150°F..
3.4 Filters shall have a recommended final resistance of 1.0" w.g.

United States • Phone: +1 800 739.4600 • aerostar@filtrationgroup.com | Canada • Phone: +1 888 628.3458 • inquirycanada@filtrationgroup.com
FiltrationGroupIAQ.com

© FG-IAQ 07/20

FG™ Indoor Air Quality