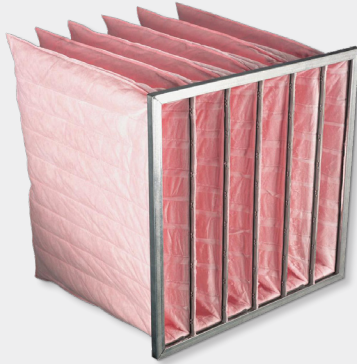


# SONIQ POCKET FILTERS



## SPECIFICATIONS

- Achieve a 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
- Constructed of a moisture-resistant, synthetic media with patented ultra sonic welded media technology

## ADVANTAGES

- 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

## PRODUCTS 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 3/8 x 23 3/8 x 10	6	22
778048	18352	18312	18272	24 x 24 x 12	23 3/8 x 23 3/8 x 12	6	30
79305	18348	18308	18268			8	38
78051	18360	18320	18280	24 x 24 x 15	23 3/8 x 23 3/8 x 15	6	33
78717	18356	18316	18276			8	42
78207	56064	19345	19442			12	64
78206	18368	18328	18288	24 x 24 x 22	23 3/8 x 23 3/8 x 22	6	48
78208	18364	18324	18284			8	62
53687	19365	53382	19460			10	76
302332	18376	18336	18296	24 x 24 x 29	23 3/8 x 23 3/8 x 29	6	66
303388	18372	18332	18292			8	84
303389	22576	19490	58302			10	103
303390	18384	18344	18304	24 x 24 x 36	23 3/8 x 23 3/8 x 36	6	84
303396	18380	18340	18300			8	102
303397	22577	56074	56962			10	124

# SONIQ POCKET FILTERS



## PRODUCTS 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 3/8 x 11 3/8 x 10	3	11
79306	18351	18311	18271	24 x 12 x 12	23 3/8 x 11 3/8 x 12	4	19
78215	18363	18323	18283			3	16
-	18359	18319	18279	24 x 12 x 15	23 3/8 x 11 3/8 x 15	4	21
78360	56262	19342	19443			6	32
78216	18371	18331	18291			3	24
303381	18367	18327	18287	24 x 12 x 22	23 3/8 x 11 3/8 x 22	4	31
303382	18379	18339	18299			3	33
303383	18375	18335	18295	24 x 12 x 29	23 3/8 x 11 3/8 x 29	4	42

\*Contact Customer Care for special sizes



## 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	<b>0.34</b>	0.45	0.36	1.0

## ENGINEERING SPECIFICATIONS

### 1.0 General

- Filters shall be Aerostar® SoniQ Pocket air filters as manufactured by Filtration Group.
- Filters shall be available in 4 efficiency levels with a depth of 12-36".
- Underwriters Laboratories classified to UL 900.

### 2.0 Filter Materials of Construction

- Media shall be 100% synthetic that does not support microbial growth.
- The media shall be sonically bonded by a patented process to form pockets as to not allow for by-pass.

- The pockets shall be attached internally by synthetic bands to reduce vibration and stabilize the filter during its life.
- Media shall be adhered to all frame components to eliminate by-pass and maintain integrity throughout life.
- Frame shall be made fully of 26 ga. Galvanized steel.

### 3.0 Filter Performance

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