



- Medium to High Efficiency per ASHRAE 52.1
- Ultrasonic Welding technology
- Open throat design for optimum air flow
- Galvanized steel header and J-channels for filter strength
- UL Class 2
- Available in a wide range of sizes
- Gasketing available
- Pocket support loops are available



DESCRIPTION

The Aerostar SoniQ Pocket Filter is constructed with a moisture-resistant, ultrasonically welded media. This synthetic media consists of strategically layered and blended melt-blown polypropylene fibers fastened to a non-shed, high density polypropylene backing. This design creates a dual-stage filtration effect with the final layer capturing the smaller particulate from the air stream. The ultrasonic welding process allows us to manufacture a product that has no stitch holes in the media and provides a substantial increase in effective surface area.

Vertical separators are incorporated into each pocket to effectively channel air throughout the media to prevent excessive turbulence and allow even contaminant loading throughout the life of the filter. The header is constructed of 26 gauge galvanized steel with rolled edges to provide rigid support to the filter face and allow for easier handling.

BENEFITS

The SoniQ Pocket Filter offers high efficiency filtration while maintaining low resistance to airflow. The non-shed media eliminates fiber migration downstream and the ultrasonic welding provides lower resistance with no disruption to the integrity of the filter. The open throat design and the precise pocket spacing produces a product that is aerodynamically balanced and provides excellent all-round performance.

APPLICATIONS

The SoniQ Pocket Filters are designed as primary or secondary filters in heating, ventilating and air conditioning systems. Superior dust-holding capabilities allow these filters to be used in most commercial and industrial applications as well as hospitals, automotive plants and biotechnology facilities.

Certain specialty applications such as oil mist, fume and grease collection require Fiberglass or Class 1 Pocket Filters. SoniQ Pocket Filters can be used in most standard built-up filter banks or side-access housing systems.



DIMENSIONS AND PERFORMANCE DATA

EFFICIENCY 95%, 85% & 65%					
95% PART NUMBER	85% PART NUMBER	65% PART NUMBER	SIZE (INCHES)	NUMBER OF POCKETS	MEDIA AREA (sq. ft.)
18271	18311	18351	24x12x12	4	19
18270	18310	18350	20x20x12	6	27
18269	18309	18349	24x20x12	6	28
18272	18312	18352	24x24x12	6	30
18268	18308	18348	24x24x12	8	38
18279	18319	18359	24x12x15	4	21
18278	18318	18358	20x20x15	6	30
18277	18317	18357	24x20x15	6	31
18280	18320	18360	24x24x15	6	33
18276	18316	18356	24x24x15	8	42
18287	18327	18367	24x12x22	4	31
18286	18326	18366	20x20x22	6	40
18285	18325	18365	24x20x22	6	46
18288	18328	18368	24x24x22	6	48
18284	18324	18364	24x24x22	8	62
18295	18335	18375	24x12x29	4	42
18294	18334	18374	20x20x29	6	54
18293	18333	18373	24x20x29	6	61
18296	18336	18376	24x24x29	6	65
18292	18332	18372	24x24x29	8	84
18303	18343	18383	24x12x36	4	45
18302	18342	18382	20x20x36	6	60
18301	18341	18381	24x20x36	6	72
18304	18344	18384	24x24x36	6	73
18300	18340	18380	24x24x36	8	96

Contact Customer Service for additional sizes and information.

SPECIFICATIONS

Filter Media: Synthetic Polypropylene	Maximum Temperature: 150° F
Header: 26 ga. Galvanized Steel	Actual Header: 13/16" thickness
Flammability: UL Class 2	Actual Face Size: Nominal less 5/8"
Recommended Final Resistance: 1.0 "w.g.	45% Media: Stitched only

SONIQ FILTER CONSTRUCTION

FEATURES AND BENEFITS

- **Low Initial Resistance**
Reduced energy consumption
- **Greater Effective Media Area**
Longer service life
- **Elimination of Holes in Media**
Enhanced efficiency
- **Improved Indoor Air Quality**
Reduced maintenance costs

- 1 ULTRASONIC WELD:** Provides a superior reduced welding area for lower initial and overall resistance as well as eliminating the possibility of air bypass.
- 2 AERODYNAMIC DESIGN:** Each bag filter pocket is dynamically ball-balanced by design for minimal resistance to airflow and high dust holding capacity.
- 3 LONGITUDINAL SEPARATOR STRIPS:** Each pocket of bagged media is divided into channels using a proprietary ultrasonic welded design to better withstand high pressures and turbulence.
- 4 ZIPPER FASTENING:** Each pocket is individually secured to a support module, which is both mechanically and chemically bonded inside the header frame.
- 5 SOFT EDGE HEADERS:** Pockets are attached to a soft-edged channel support frame creating a tight seal without risk of flexing during full inflation.
- 6 MEDIA:** Meltdown fibers are more resistant to re-welding and virtually eliminate the possibility of their flaking into the air stream.

FILTER DEPTH (INCHES)	NUMBER OF POCKETS	AIRFLOW CAPACITY (cfm)	PRESSURE DROP ("w.g.)		
			95%	85%	65%
36	8	2000	0.36	0.34	0.28
	6	2000	0.45	0.41	0.37
29	8	2000	0.33	0.29	0.26
	6	2000	0.41	0.34	0.31
22	8	2000	0.36	0.30	0.27
	6	2000	0.49	0.35	0.33
15	8	2000	0.58	0.42	0.36
	6	2000	0.72	0.52	0.42
12	8	2000	0.80	0.54	0.39
	6	2000	0.98	0.62	0.45

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