

THE FULLY
SYNTHETIC
SOLUTION TO
YOUR
FILTRATION
NEEDS

PERFORMANCE DATA SHEET 4" MINI PLEAT



MAKE THE AEOLUS 4 INCH MINI PLEAT YOUR CHOICE:

- Superior media area, compact size
- Fewer filter changes
- Optimum filter for most applications
- Outstanding pleat stability
- Improved frame rigidity
- Incinerable construction
- Waterproof construction
- Helps to meet LEED criteria
- Lower cost of ownership

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Our 4-inch All Synthetic Mini Pleat Panel Filter gives you an incredible amount of filter media area having up to several times the area of most other filters of the same size. For many applications the 4 inch Mini Pleat is the best choice, providing an excellent service life at low overall energy costs.

UL 900 Class 1 U.S. certified

Standard and special sizes available

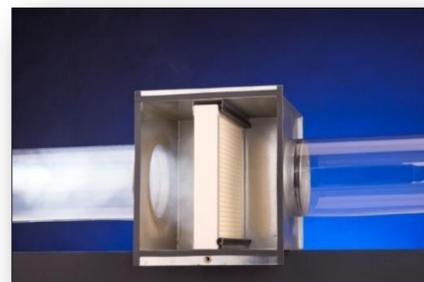
Completely hydrophobic

Continuous operating temperature up to 175° F (80° C), short term up to 210° F (100° C)

Can be operated up to 125% of rated air flow

Recommended final resistance is 1.50 in w.g., higher pressure drops are possible – please ask

DESIGN



Aeolus 4-inch Mini Pleat Panel Filters feature synthetic microfiber filter media with a 3-dimensional, progressive design for optimum dust holding capacities. Our Aeotec Filters (“AT” products) even contain nanofibers which are uniquely integrated into the filter media to capture the smallest particles. All our fibers are produced in a solvent-free, melt-based and environmentally friendly proprietary process and do not contain any chemical binder. The endless synthetic fibers are highly damage resistant and produce a filter that unlike other synthetic and fiberglass filters is totally non-shedding.

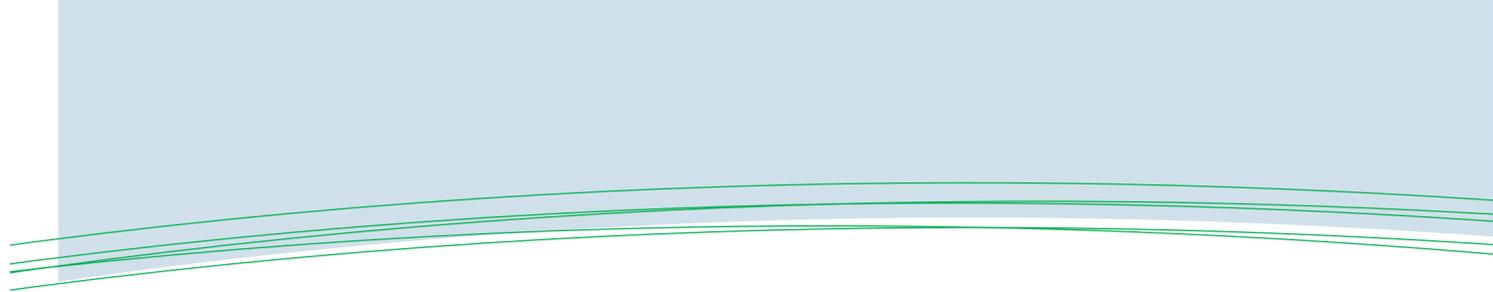
APPLICATIONS

Aeolus 4 inch Mini Pleat Panel Filters are used in a wide variety of applications where a long service life is important. The large media area and the high dust holding capacities lead to fewer filter changes and lower energy costs as pressure drop remains low for longer periods. The high mechanical efficiency of Aeolus filters helps to assure a higher level of indoor air quality to protect people and equipment from the effects of airborne contaminants.

PLEAT TECHNOLOGY

Aeolus filters provide a unique pleating technology that leads to the excellent product strength Aeolus filters are known for. It also helps maintain the perfect V-shaped pleat geometry throughout handling and service life. Optimum air flow is assured under all operating conditions.





TECHNICAL DATA 4" MINI PLEAT

Product	MERV Classification	Air Flow [cfm]		
		1500	2000	2500
SMP95AT	MERV 16/15-A	0.53	0.75	1.02
SMP15EE	MERV 15	0.26	0.38	0.51
SMP80AT	MERV 14/13-A	0.33	0.48	0.67
SMP80	MERV 13	0.24	0.34	0.45
SMP60	MERV 12	0.17	0.34	0.37
SMP11AT	MERV 11	0.12	0.19	0.28

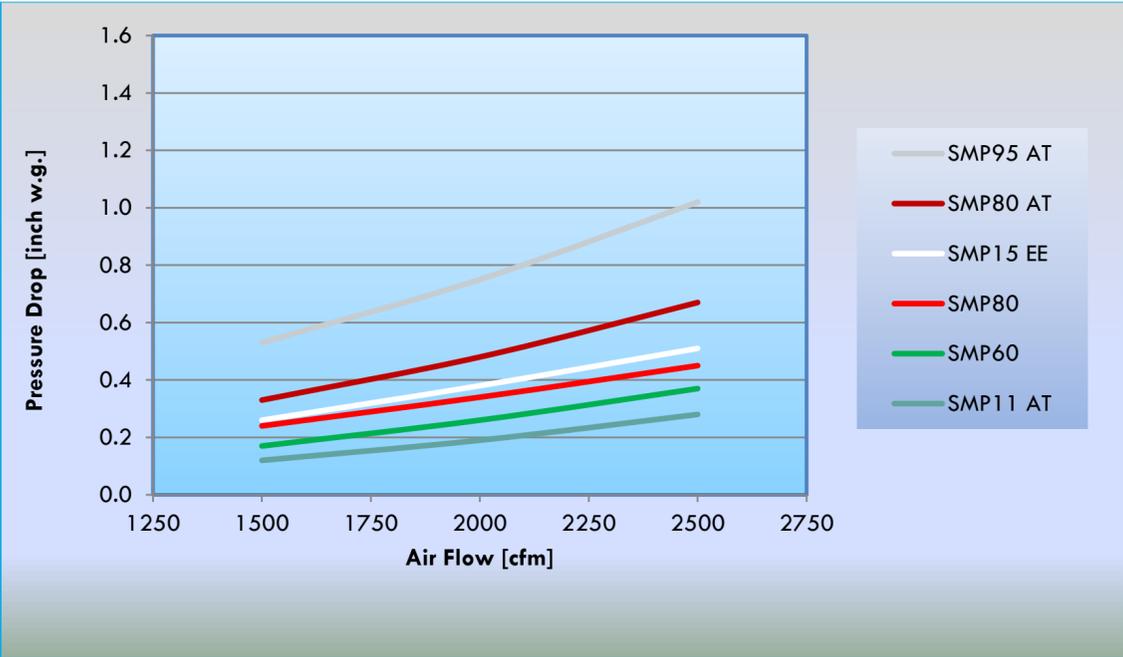


Fig. 1: Pressure Drop Data of Aeolus 4 inch Mini Pleat Panel Filters
 24x24x2"
 recommended airflow: 2000 cfm / 500 fpm
Independently Tested

