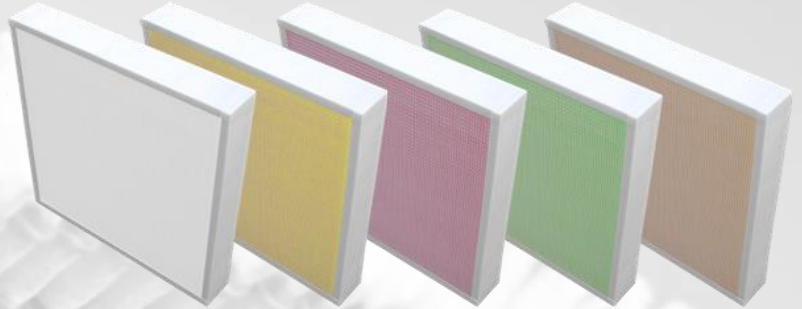




PERFORMANCE DATA SHEET 2" Mini Pleat



THE FULLY SYNTHETIC SOLUTION TO YOUR FILTRATION NEEDS



Our 2 inch All Synthetic Mini Pleat Panel Filter gives you an incredible amount of media area having 4 to 5 times the area of most pleated filter of the same size. Together with being 100 % waterproof and having industry leading product rigidity and blow out strength you will experience superior air quality and long service life. Aeolus Filters are built to last and perform even in the toughest applications.

DESIGN. Aeolus 2 inch Mini Pleat Panel Filters feature synthetic microfiber filter media with a 3-dimensional, progressive design for optimum dust holding capacities. Our Aetec 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.

MAKE THE AEOLUS 2 INCH MINI PLEAT YOUR CHOICE:

- ✓ Superior media are, compact size
- ✓ Fewer filter changes
- ✓ Wide range of efficiencies
- ✓ Outstanding pleat stability
- ✓ Improved frame rigidity
- ✓ Low storage and shipping costs
- ✓ Waterproof construction
- ✓ Helps to meet LEED criteria

APPLICATIONS. Aeolus 2 inch Mini Pleat Panel Filters are used in a variety of applications where technical reliability and a long service life are a must. From HVAC systems in office buildings, schools and factories to the extreme environment of hazardous waste removal and reclamation, Aeolus offers solutions for all your filtration challenges. The high efficiency Aeolus filters allow the replacement of glass fiber filters, even in sensitive applications such as the pharmaceutical industry, health care facilities and as pre-filters in clean rooms. Aeolus services all applications with now downstream release of shedded fibers. Due to the 100% synthetic construction Aeolus offers unsurpassed performance in humid and wet environments.



TECHNICAL DATA 2" Mini Pleat

Product	Efficiency range	MERV classification	Air Flow [cfm]			
			700	1060	1300	1968
SMP95 AT	95-100%	MERV 15	0.35	0.59	0.77	1.30
SMP14EE	90-95%	MERV 14	0.13	0.23	0.29	0.47
SMP80	80-90%	MERV 13	0.12	0.21	0.28	0.46
SMP12AT	70-75%	MERV 12	0.06	0.11	0.14	0.26
SMP11AT	50-55%	MERV 11	0.06	0.10	0.13	0.22

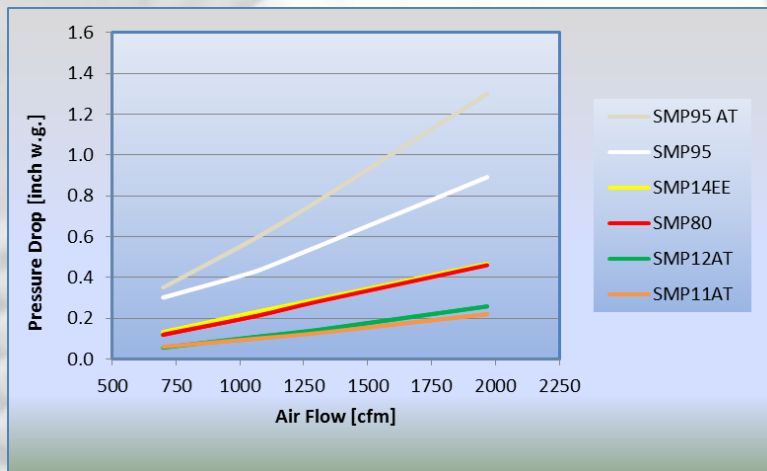


Fig. 1: Pressure Drop Data of Aeolus 2 inch Mini Pleat Panel Filters 24x24x2", Higher air flows possible



UL 900 Class 2 U.S. certified

Standard and special sizes available

Completely hydrophobic

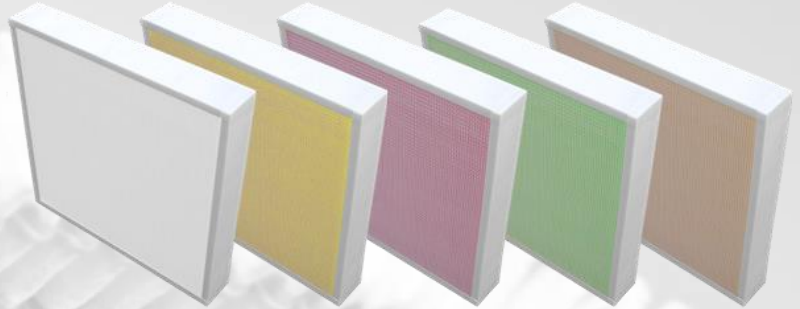
Continuous operating temperature up to 175° F (80° C), short term up to 210° F (100° C)

Can be operated up to 125% of rated air flow, higher air flow of up to 500 fpm is possible – please ask factory

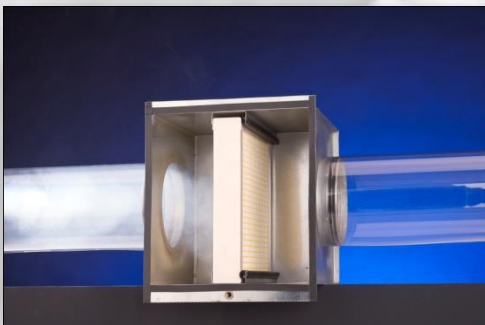
Recommended final resistance is 1.50 in.w.g., higher pressure drops are possible – please ask



PERFORMANCE DATA SHEET 4" Mini Pleat



THE FULLY SYNTHETIC SOLUTION TO YOUR FILTRATION NEEDS



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.

DESIGN. Aeolus 4 inch Mini Pleat Panel Filters feature **AEOLUS** microfiber filter media with a 3-dimensional, progressive design for optimum dust holding capacities. Our Aetotec 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 fibers are highly damage resistant and totally non-shedding.

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

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.

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.



TECHNICAL DATA 4" Mini Pleat

Product	MERV classification	Air Flow [cfm]		
		1500	2000	2500
SMP95 AT	MERV 16/15-A	0.53	0.75	1.02
SMP15 EE	MERV 15	0.26	0.38	0.51
SMP80 AT	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
SMP11 AT	MERV 11	0.12	0.19	0.28

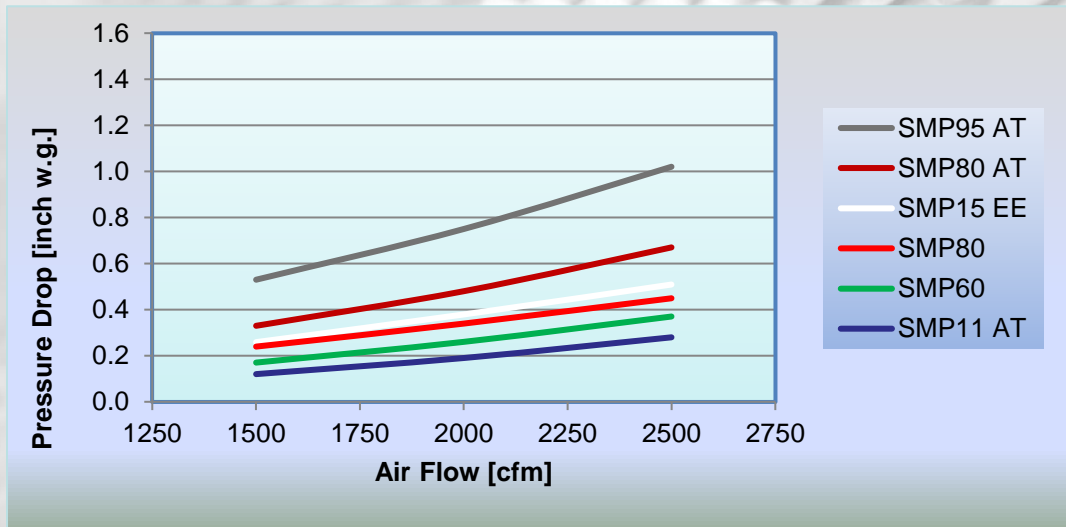


Fig. 1: Pressure Drop Data of Aeolus 4 inch Mini Pleat Panel Filters 24x24x4", recommended airflow: 2000 cfm / 500 fpm
Independently Tested

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 210° F (100° C)

Can be operated up to 125% of rated air flow

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