Technical Bulletin STMPM16A	Date 7.20.15

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Synthetic High Efficiency STMP MERV 16A Barrier Filter

High efficiency with low initial resistance to maximize your air filtration performance

Wide Pleat Spacing →

Description

Pneumafil's STMP line of high efficiency static barrier air filters is specifically designed for static style gas turbine air inlet systems.

The flow dynamics of the STMP filter are enhanced through the use of 100% synthetic fibers supported by geometrically spaced pleat separators. The wider than normal pleat spacing allows easier access for loading the filter. With airflow access to a greater surface area, air flow restriction is decreased and dust loading capacity is improved.

Benefits

- Low initial pressure drop
- Long life due to high dust holding capacity
- Rugged durability due to high burst strength
- Improved resistance to humidity and mosture over micro-fiberglass versions

Construction

The rugged, UL approved STMP design has a high impact, injection molded plastic frame which is full sealed.

- Media: Two layer composite fiber substrate
- Frame material ABS
- Gasket: Neoprene
- Sealant: Polyurethane
- Pleats per inch: 6.4
- Media pack depth: 1.0"

ASHRAE 52.2 - 2012	
Airflow Rate (CFM/m³/h)	2500/ 4248
Media Area:	171 Ft²
Initial Resistance (w.g. / Pa)	0.37 / 92.16
Dust Holding Capacity g @ 1.5"w.c.	256
Initial efficiency # (0.3µ - µ0.4)	94.6%
Composite Efficiency %: E1, E2, E3	97, 99, 100
Rating	MERV 16A

Recommended Pre-Filtration

- MERV 8 – 11 Panel Style Pre-Filter
- Coalescing pad or glove

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