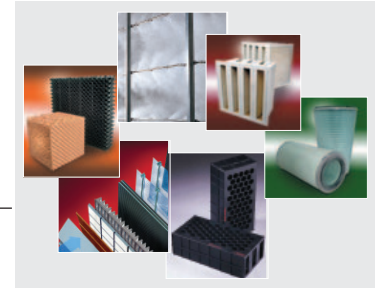




Synthetic High Efficiency STMP Barrier Filters

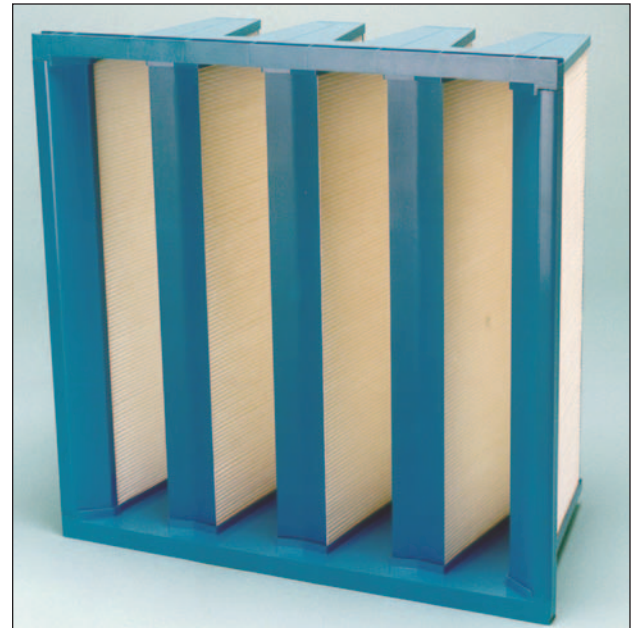


Description:

Pneumafil's STMP line of high efficiency static barrier air filters is specifically designed for gas turbine inlet air systems. Using an all synthetic medium and an all plastic frame, the STMP product offers a wide range of filtering efficiencies, high volumetric airflow, low pressure drop, and high dust holding capacity.

At the heart of the STMP is an all synthetic medium with fibers made from an electret spinning process which imparts a deeply imbedded electrostatic charge. The charge ensures peak particle collection efficiency from the first day of service. The fibers are thermally bonded so the medium is non shedding and has a higher mechanical strength than the glass medium.

There are no mechanical fasteners of any type used in the assembly. The frame is all plastic so that the entire filter is incinerable or shreddable when it is time for disposal. The assembly is extremely rugged and resists handling and installation damage. The pleated media packs are offset* from the air entering face to provide better air distribution and lower pressure drop when prefilters are mounted directly in front of the Synthetic TMP.



Construction:

- Frame: Injection molded plastic
- Media: Synthetic, thermally-bonded charged-fiber media
- Gasket: Closed cell neoprene
- Temperature Limit: 160° F continuous
- Moisture Resistance: Up to 100% RH

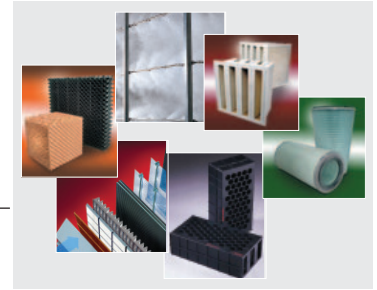
Ordering information:

Model	Average ASHRAE Efficiency	Actual Size	Part Number
STMP 95-24	95	23.375" x 23.375" x 12.5"	S52303-C7 (no offset)
STMP 95-12	95	23.375" x 11.375" x 12.5"	S52303-C8 (no offset)
STMP 95-24	95	23.375" x 23.375" x 12.5"	S52303-C1 (offset)
STMP 95-12	95	23.375" x 11.375" x 12.5"	S52303-C2 (offset)
STMP 85-24	85	23.375" x 23.375" x 12.5"	S52317-C1
STMP 85-12	85	23.375" x 11.375" x 12.5"	S52317-C2
STMP 75-24	75	23.375" x 23.375" x 12.5"	S52315-C1
STMP 75-12	75	23.375" x 11.375" x 12.5"	S52315-C2

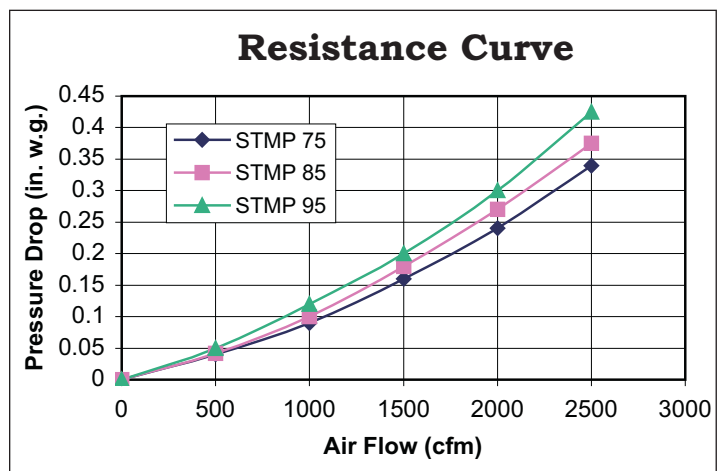
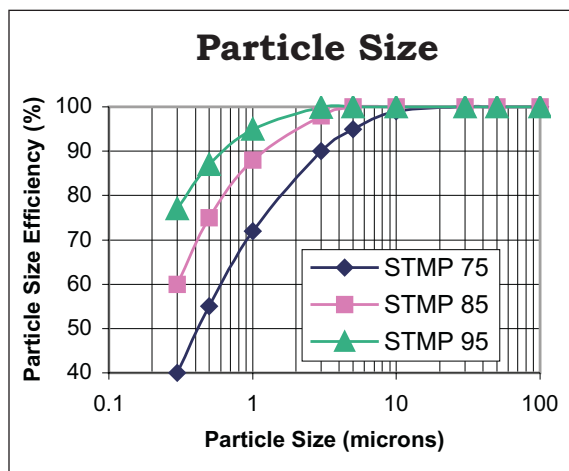
* Some media packs available in offset and non-offset versions



STMP Barrier Filters Technical Data



Performance	Unit	STMP 95	STMP 85	STMP 75
Rated Airflow	cfm	2000	2000	2000
Initial Resistance	" w.g.	.30	.27	.24
Final Resistance	" w.g.	1.5	1.5	1.5
Initial Efficiency	%	93.5	71	69
Average Efficiency	%	98	85	80
SAE Fine DHC	grams	925	1025	1100
Burst Strength	" w.g.	>25	>25	>25
Media Area	ft ²	170	170	170



Efficiency data measured by particle counts using a laser particle counter at 2000 cfm
 Atmospheric aerosol
 New and clean filter
 Data is not in accordance with ASHRAE 52.2