

## High Efficiency Static Barrier Filter

### Description

The Menardi / Pneumafil TMP line of high efficiency static barrier air filters is specifically designed for gas turbine inlet air applications. Incorporating the latest advances in filter media and pleating technology, the TMP products provide a wide range of filtering efficiencies (including two HEPA grades), high volumetric airflow, low operating pressure drop, and high dust holding capacity. The TMP is available in two sizes.

The wet-laid hydrophobic micro glass fiber paper medium used in the TMP is stable and does not shed fiber like many other types of media. Continuous, unbroken lengths of the paper media are pleated and formed into individual media packs. Eight such media packs per filter are sealed in V-shaped arrangements, forming a rigid filter element with a single integrated mounting flange.

Each TMP filter element ships with new gaskets pre-mounted to the face of the header flange. The filter elements may be installed for either upstream or downstream service and airflow may enter the filter from front or rear with no performance variance.

TMP filter elements are designed to operate continuously in applications with up to 100% relative humidity, and can withstand intermittent exposure to free moisture.



### Construction

**Nominal dimensions:** 24" w x 24" h x 12" d  
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**Net filter area:** 193 ft<sup>2</sup> and 97 ft<sup>2</sup>

**Efficiency ranges:** ASHRAE 75%, 85%, 95%, and 98%.  
DOP 95% and 99.8%

**Frame:** Injection molded plastic and galvanized steel (also available in all plastic)

**Filter Media:** Glass fiber paper, mini-pleated into mats

**Gasket material:** EVA

**Flammability:** Class 2 UL

ASHRAE 52.1 Rated Filter Line	TMP Series			
	75	85	95	98
Rated air flow (CFM)	2500	2500	2500	2500
Initial pressure drop (Pa)	90	100	120	140
Filter class Eurovent 4/5	EU6	EU7	EU8	EU9
Filter class per EN 779	F6	F7	F8	F9
Efficiency, atmospheric Dust Spot %	73	82	93	98
Arrestance, gravimetric (%)	98	>99	>99	100
ASHRAE dust holding capacity (grams)	875	670	605	390
SAC-fine dust holding capacity (grams)	1280	1300	1030	490

DOP Rated Filter Line	TMP Series	
	R	S
Volumetric flow (CFM)	2500	2500
Initial resistance (wg)	1.1	1.16
Final resistance (wg)	2.4	2.4
Initial DOP efficiency (%)	95	99.98
Filter class per Eurovent 4/5	EU10	EU12
Filter class per EN 779	H11	H12