

PTM AND PTL RIGID POCKET FILTERS



- ▶ **Low Pressure Drop Design**
provides maximum energy savings,
greatly reducing operating costs
- ▶ **UL 900 Class 2**
- ▶ **Extreme Weather Adverse Environment**
design and construction
- ▶ **Full Adhesive Saturation**
proprietary process; prevents unloading

DESCRIPTION

Filtrair's PTM and PTL Rigid Pocket filters are 100% synthetic, corrosion free and humidity resistant. The pocket medium is inherently rigid, with a welded rib construction to form a pocket with the highest functional security in even the most brutal air pressure and high dust-laden environments. The leak-free construction, incorporated aerodynamic spacers and the embedded medium in a form-stable reinforced plastic front-header guarantee highest performance in most environments.

FEATURES AND BENEFITS

- ▶ **EXTREMELY DURABLE DESIGN AND CONSTRUCTION** for high air-volume and high final pressure drop applications
- ▶ **LEAK-FREE DESIGN** for maximum equipment protection and performance
- ▶ **100% SYNTHETIC, CORROSION FREE, HUMIDITY-RESISTANT** product is perfectly suited for high humidity and salt laden air environments
- ▶ **HIGH PERFORMANCE** allows filter to be used as prefilter or final filter.

APPLICATIONS

Filtrair's PTM and PTL Rigid Pocket filters are uniquely suited for effective separation of aggressive and abrasive particles. These filters are used specifically for gas turbines in electricity generating plants, utility and co-generation plants. Also used in extreme weather and environmentally adverse conditions, such as off-shore and gas exploration platforms.



PTM, PTL RIGID POCKET FILTERS

PTM AND PTL RIGID POCKET FILTER TECHNICAL DATA

Sizes	Units	1/1	PTM 5/6	1/2	1/1	PTL 5/6	1/1
Standard Holding Frame	in	24 x 24	20 x 24	12 x 24	24 x 24	20 x 24	12 x 24
Pocket Depth	in	20	20	20	24	24	24
Number of Pockets	—	8	6	4	8	6	4
Weight	lb	7.0	5.3	3.5	7.3	5.5	3.8
Header Size	in	23.43 x 23.43	19.41 x 23.43	11.38 x 23.43	23.43 x 23.43	19.43 x 23.43	11.38 x 23.43

Performance	Unit	PTM 1/1 Value	PTL 1/1 Value
Rated Air Flow	cfm	2000	2000
Media Area	ft ²	51	60
Initial Resistance*	"w.g.	0.24	0.16
Final Resistance*	"w.g.	1.5	1.5
MERV*	—	8	8
DHC @ 1.5" w.g. Final Resistance*	g	800	1000
Initial Resistance @ 2500 cfm*	"w.g.	0.34	0.22
Temperature Resistance	°F	160	160
Short Peaks	°F	200	200
Burst Strength	"w.g.	>12	>12

* Test performed according to ASHRAE Test Standard 52.2-1999

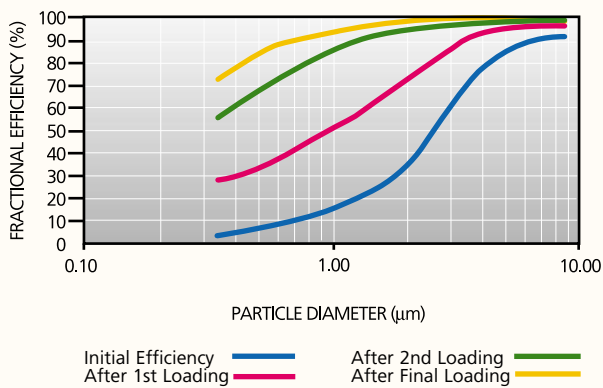


Aerodynamic pocket separators for uniform air flow and maximum media usage.

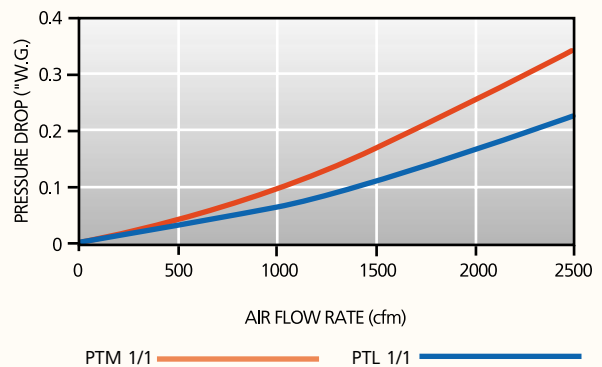


Filtrair pocket filters remain rigid during repetitive fan shut-downs to prevent captured particle migration.

FRACTIONAL EFFICIENCY vs PARTICLE DIAMETER (PTL 1/1) (2000 cfm)



PRESSURE DROP vs AIR FLOW RATE



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