

# PFS, PFM, PFL RIGID POCKET FILTERS



100% high performance  
synthetic fibers



Rigid pocket  
design for  
VAV systems

Corrosion free  
molded header

- ▶ **100% Synthetic**, corrosion free and humidity-resistant product
- ▶ **High Dirt Holding Capacity** provides exceptional extended life
- ▶ **Designed for Leak Free Operation** even in the most rigorous air pressure and high dust-laden environments
- ▶ **Very Low Resistance** results in greatly reduced operating costs

## DESCRIPTION

Filtrair's PF Series Rigid Pockets are a premium high efficiency air filter designed for critical or harsh air handling units. Filtrair pockets are extremely durable and will perform flawlessly over a long period of time.

The synthetic fiber based pocket filter was developed and manufactured at Filtrair's own high tech production facility. The use of high performance fibers in a progressive density

multi-layering technique ensures high depth loading with optimal lowest pressure drop performance.

## FEATURES AND BENEFITS

- ▶ **MOLDED HEADER** does not corrode and can be incinerated
- ▶ **RIGID DESIGN AND SYNTHETIC CONSTRUCTION** allows pockets to withstand 100% humidity environments
- ▶ **HIGH DUST HOLDING CAPACITY** and low resistance make the PF Series pocket filters an excellent prefilter
- ▶ **UL 900 Class 2**—conforms to US fire classifications
- ▶ **LOW RESISTANCE DESIGN** greatly reduces operating costs
- ▶ **FULL ADHESIVE SATURATION**—proprietary process prevents unloading

## APPLICATIONS

Filtrair's PF Series Rigid Pocket filters are designed for use as final filters in general ventilation and air conditioning equipment installed in offices, shopping centers, theatres, hotels, industrial plants, food processing plants and laboratories.

Also as a pre-filter in the supply air units for car paint spray cabins, electrical equipment, electric motors, and superfine and absolute (HEPA) filtration systems.

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## PFS, PFM, PFL RIGID POCKET FILTER TECHNICAL DATA

Sizes	Units	1/1	PFS 5/6	1/2	1/1	PFM 5/6	1/2	1/1	PFL 5/6	1/2
Standard Holding Frame	in	24 x 24	20 x 24	12 x 24	24 x 24	20 x 24	12 x 24	24 x 24	20 x 24	12 x 24
Pocket Depth	in	12	12	12	20	20	20	24	24	24
Number of Pockets	—	6	5	3	8	6	4	6	5	3
Weight	lb	3.8	3.3	2.2	5.3	4.4	2.7	5.3	4.4	2.7
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	23.43 x 23.43	19.43 x 23.43	11.38 x 23.43

Performance	Unit	PFS 1/1 Value	PFM 1/1 Value	PFL 1/1 Value
Rated Air Flow	cfm	2000	2000	2000
Media Area	ft <sup>2</sup>	23	51	45
Initial Resistance*	"w.g.	0.27	0.15	0.12
Final Resistance*	"w.g.	1.5	1.5	1.5
MERV*	—	8	8	8
DHC @ 1.5"w.g. Final Resistance*	g	600	1100	1100
Initial Resistance @ 2500 cfm*	"w.g.	0.38	0.20	0.17
Temperature Resistance	°F	160	160	160
Short Peaks	°F	200	200	200
Burst Strength	"w.g.	>12	>12	>12

\* Test performed according to ASHRAE Test Standard 52.2-1999

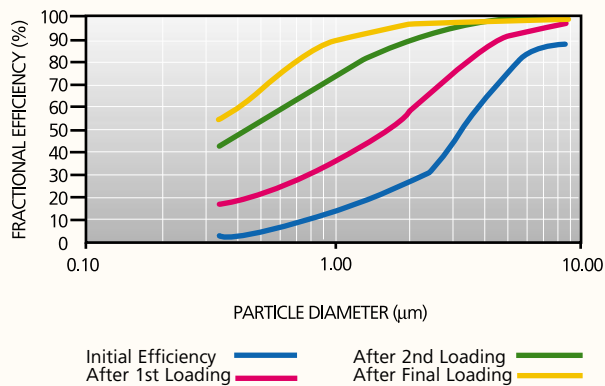


Aerodynamic pocket separators for uniform air flow and maximum media usage.

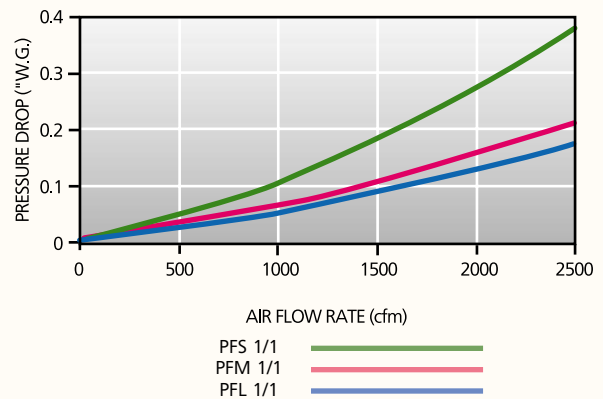


Filtrair pocket filters remain rigid during repetitive fan shut-downs to prevent captured particle migration.

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



PRESSURE DROP vs AIR FLOW RATE



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