PHL RIGID POCKET FILTERS

- **Low Pressure Drop Design**
  provides maximum energy savings, greatly reducing operating costs
- **UL 900 Class 2**
- **Specifically Designed as Final Filter**
  in critical applications
- **Full Adhesive Saturation**
  proprietary process; prevents unloading

DESCRIPTION

Filtrair's PHL Rigid Pocket filters are constructed with 100% synthetic fiber media developed and manufactured at Filtrair's own high-tech production facility. The PHL is comprised of selected high performance fibers in a progressively dense multi-layering technique to ensure high-depth loading with optimal lowest pressure drop performance. The PHL combines three sequential progressive density layers, a highly efficient micro-fiber media with a pre-filter and a supporting synthetic media layer. The result is a low pressure drop during the life of the filter, as well as high initial efficiency from the first day of installation. This filter also exhibits long filter life, extreme durability and therefore low energy and maintenance costs.

FEATURES AND BENEFITS

- **LEAK-FREE DESIGN** ensures maximum protection of people and equipment
- **EXTREME DURABILITY** guarantees performance in the harshest of environments
- **RIGID POCKET DESIGN** maintains optimum form even with reduced air flow or when the system is shut down

APPLICATIONS

PHL Rigid Pockets provide excellent air filtration for systems requiring elevated levels of air filtration. The PHL is designed to be used as a final filter in commercial and industrial applications. The PHL is also excellent as a prefilter to higher efficiency final filters in hospitals, pharmaceutical, computer, and telecommunication installations.

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PHL RIGID POCKET FILTER TECHNICAL DATA

Sizes	Units	1/1	5/6	1/2
Standard Holding Frame	in	24 x 24	20 x 24	12 x 24
Pocket Depth	in	24	24	24
Number of Pockets	—	8	6	4
Weight	lb	8.1	6.7	4.1
Header Size	in	23.43 x 23.43	19.41 x 23.43	11.38 x 23.43

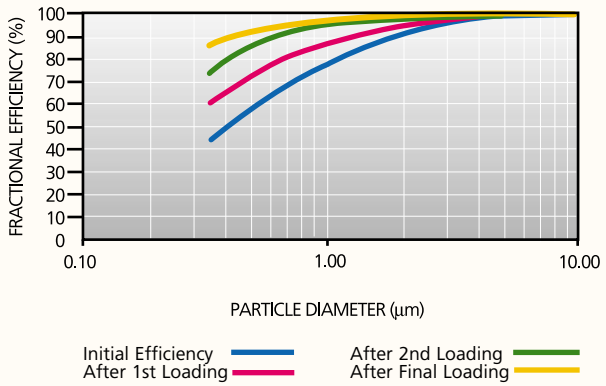
Performance	Unit	PHL 1/1 Value
Rated Air Flow	cfm	2000
Media Area	ft²	60
Initial Resistance*	"w.g.	0.26
Final Resistance*	"w.g.	1.5
MERV*	—	12
DHC @ 1.5"w.g. Final Resistance*	g	800
Initial Resistance @ 2500 cfm*	"w.g.	0.35
Temperature Resistance	°F	160
Short Peaks	°F	200
Burst Strength	"w.g.	›12

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

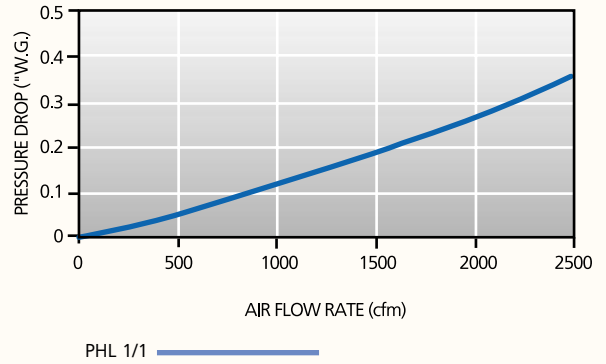
Aerodynamic pocket separators for uniform air flow and maximum media usage.

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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