

# Rigid Pleat Filters



**The Extended Surface Rigid Pleat Filter** is a rigid, extended surface filter designed to provide medium and high-efficiency air filtration, and longer filter lifecycles. Rigid Pleat filters are capable of operating in a wide variety of applications. They are available in a box style, single-header, or double header making it easy to install in any side access or front access housings. You also have the option of having fiberglass or synthetic media in the filter. Each filter is completely disposable and is furnished ready for installation.

## Features

- Available in 6" and 12" deep configurations
- Fiberglass or synthetic media options
- Available in box, single-header, and double-header configurations
- Low initial pressure drop
- Rigid construction for variable-air-volume systems
- Light-weight

## Applications

Constructed for use in healthcare, universities, K-12 schools, and industrial filtration.

## Specifications

-MERV Rating - 11, 13, 14

-Particle Size Efficiency:

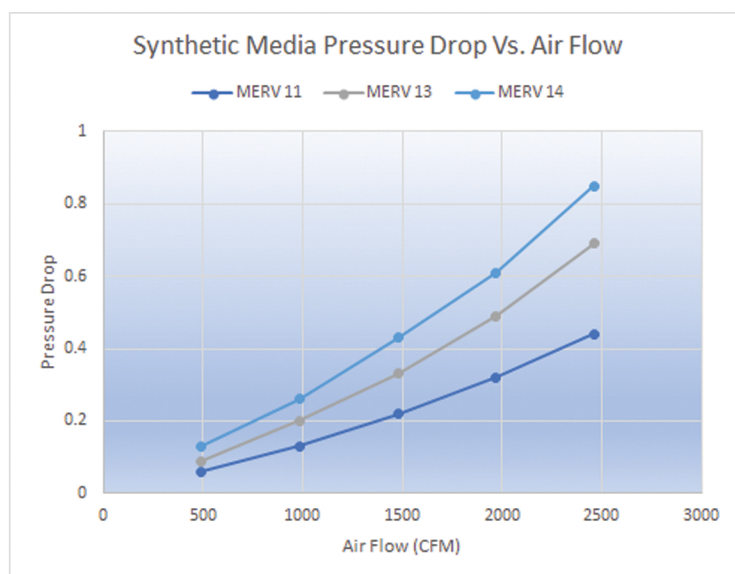
**MERV 11** - 85%  $\leq$  3.0 - 10.0  $\mu$ m, 65%  $\leq$  1.0 - 3.0  $\mu$ m, 20%  $\leq$  0.3 - 1.0  $\mu$ m.

**MERV 13** - 90%  $\leq$  3.0 - 10.0  $\mu$ m, 85%  $\leq$  1.0 - 3.0  $\mu$ m, 50%  $\leq$  0.3 - 1.0  $\mu$ m.

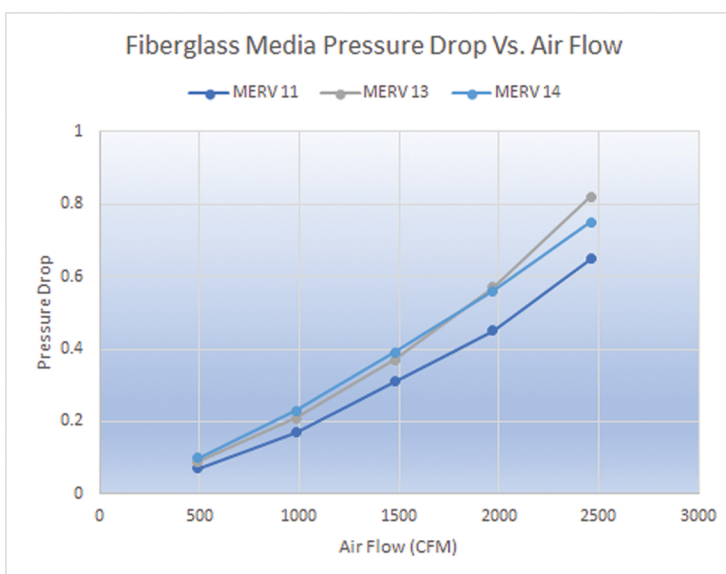
**MERV 14** - 95%  $\leq$  3.0 - 10.0  $\mu$ m, 90%  $\leq$  1.0 - 3.0  $\mu$ m, 75%  $\leq$  0.3 - 1.0  $\mu$ m.

-Media type - Fiberglass or Synthetic

-Final pressure drop - 1.5" w.g.



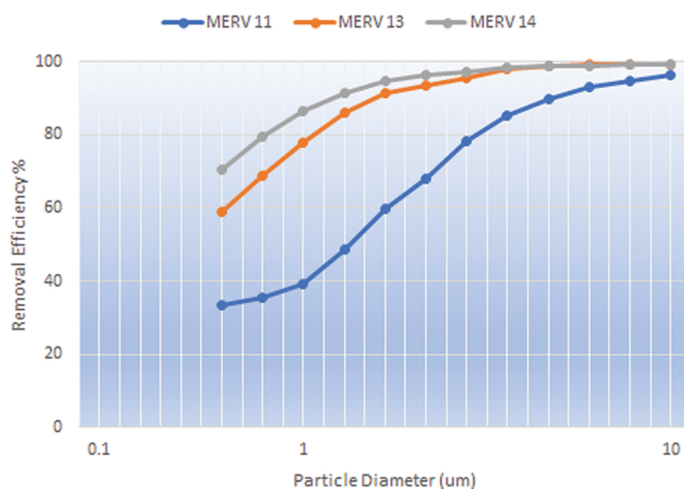
Per ASHRAE 52.2 Test Method



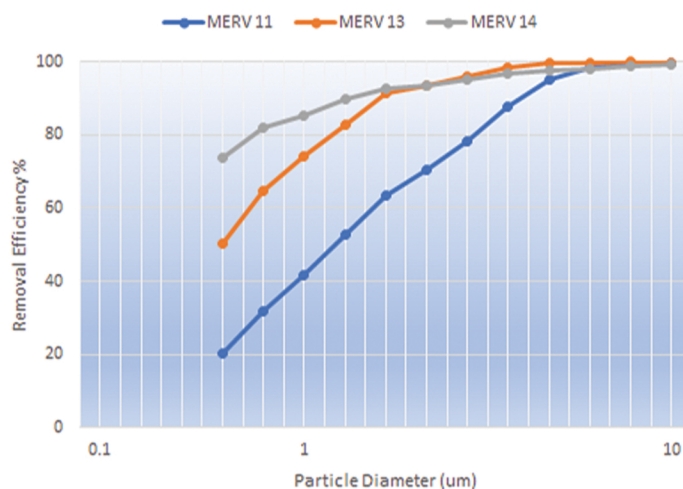
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Synthetic Media Fractional Efficiency vs. Particle Diameter



Fiberglass Media Fractional Efficiency vs. Particle Diameter



Per ASHRAE 52.2 Test Method

Nominal Size (Inches)	Actual Size (Inches)			No Header	Single Header	Double Header	Initial Resistance (Inches w.g.)	Airflow Capacity
	Depth	Height	Width					
Synthetic Media								
MERV 14								
20x20x12	11 1/2	19 3/8	19 3/8	x	x		0.61	1400
12x24x12		11 3/8	23 3/8	x	x	x		1000
20x24x12		19 3/8	23 3/8	x	x			1667
24x24x12		23 3/8	23 3/8	x	x	x		2000
MERV 13								
20x20x12	11 1/2	19 3/8	19 3/8	x	x		0.49	1400
12x24x12		11 3/8	23 3/8	x	x			1000
20x24x12		19 3/8	23 3/8	x	x			1667
24x24x12		23 3/8	23 3/8	x	x			2000
MERV 11								
20x20x12	11 1/2	19 3/8	19 3/8	x	x		0.32	1400
12x24x12		11 3/8	23 3/8	x	x			1000
20x24x12		19 3/8	23 3/8	x	x			1667
24x24x12		23 3/8	23 3/8	x	x			2000
Fiberglass Media								
MERV 14								
20x20x12	11 1/2	19 3/8	19 3/8	x	x		0.56	1400
12x24x12		11 3/8	23 3/8	x	x			1000
20x24x12		19 3/8	23 3/8	x	x			1667
24x24x12		23 3/8	23 3/8	x	x			2000
MERV 13								
20x20x12	11 1/2	19 3/8	19 3/8	x	x		0.57	1400
12x24x12		11 3/8	23 3/8	x	x			1000
20x24x12		19 3/8	23 3/8	x	x			1667
24x24x12		23 3/8	23 3/8	x	x			2000
MERV 11								
20x20x12	11 1/2	19 3/8	19 3/8	x	x		0.45	1400
12x24x12		11 3/8	23 3/8	x	x			1000
20x24x12		19 3/8	23 3/8	x	x			1667
24x24x12		23 3/8	23 3/8	x	x			2000

Data Notes : Sizes above reflect our most commonly used sizes. If there is a size you're interested in please visit [www.fcfilters.com](http://www.fcfilters.com) or call us at 800-687-5996