

MERV Std 52.2	ASHRAE dust spot std 52.1	ASHRAE Arrestance std. 52.1	Particle Size Ranges	Typical Filter Type
1-4	< 20%	60 to 80%	> 10.0 $\mu\text{m}$	Permanent/Self Changing (passive) Washable/Metal, Foam/Synthetics Disposable Panels Fiberglass/Synthetics
5-8	< 20 to 35%	80 to 95%	3.0 – 10.0 $\mu\text{m}$	Pleated Filters Extended Surface Filters Media Panel Filters
9-12	< 40 to 75%	>95 to 98%	1.0 – 3.0 $\mu\text{m}$	Non-Supported/Bag Rigid Box Rigid Cell / Cartridge
13-16	80 to 95% +	>98 to 99%	0.30 – 1.0 $\mu\text{m}$	Rigid Cell/Cartridge Rigid Box Non-Supported/Bag
17-20 <sup>1</sup>	99.97% <sup>2</sup> 99.99% <sup>2</sup> 99.999% <sup>2</sup>	N/A	.030 $\mu\text{m}$	HEPA ULPA

<sup>1</sup> reserved for future classifications

<sup>2</sup> DOP efficiency