

MERV Ratings of Filters

(what they mean)

MERV Std 52.2	Average ASHRAE Dust Spot Efficiency Std 52.1	Average ASHRAE Arrestance Std 52.1	Particle Size Ranges	Typical Applications	Typical Filter Type
1-4	<20%	60 to 80%	> 10.0 μm	Residential / Minimum Light / Commercial Minimum / Equipment Protection	Permanent / Self Charging (passive) Washable / Metal, Foam / Synthetics Disposable Panels Fiberglass / Synthetics
5-8	<20 to 35%	80 to 95%	3.0 - 10.0 μm	Industrial Workplaces Commercial Better / Residential Paint Booth / Finishing	Pleated Filters Extended Surface Filters Media Panel Filters
9-12	40 to 75%	>95 to 98%	1.0 - 3.0 μm	Superior / Residential Better / Industrial Workplaces Better / Commercial Buildings	Non-Supported / Bag Rigid Box Rigid Cell / Cartridge
13-16	80 to 95% +	>98 to 99%	0.30 - 1.0 μm	Smoke Removal General Surgery Hospitals & Health Care Superior / Commercial Buildings	Rigid Cell / Cartridge Rigid Box Non-Supported / Bag
17-20 ¹	99.97 ² 99.99 ² 99.999 ²	N/A	\leq 0.30 μm	Clean Rooms High Risk Surgery Hazardous Materials	HEPA ULPA

Note: This table is intended to be a general guide to filter use and does not address specific applications or individual filter performance in a given application.

Refer to manufacturer test results for additional information

(1) Reserved for future classifications (2) DOP Efficiency