

MERV Filter Efficiency Guide

<i>ASHRAE 52.1 Average Efficiency</i>	<i>ASHRAE 52.2 MERV Rating</i>	<i>Arrestance</i>	<i>Types of Filters</i>	<i>Tested Contaminant</i>
> 20%	1 - 4	60 - 80%	Disposable Panel Filters, Permanent Metal Filters, Fiberglass & Foam Media, Hogshair, Automatic Rolls	Pollen, Spanish Moss, Dust Mites, Sanding & Spray Paint Dust, Textile & Carpet Fibers
> 20%	5	80 - 90%	Pleated Panel Filter, Ring Panel Filters, Synthetic Media	Pudding Mix, Snuff, Powdered Milk
20 - 30%	6	90 - 95%	Cube Filters, Self Supporting Filters	Dusting Aids, Cement Dust
25 - 30%	6 - 7	90 - 95%	Pleated Panel Filters	Hair Spray, Fabric Protector
40 - 50%	8	95 - 98%	Pleated Panel Filters, Ring Panel Filters, Extended Surface Pocket Filters	Mold Spores
50 - 60%	9 - 10	98%	Extended Surface Pocket Filters	Welding Fumes, Nebulizer Drops, Coal Dust, Auto Emissions.
60 - 70%	10 - 11	99%	Pleated Panel Filters, Extended Surface Pocket Filters, Rigid Cell Filters	Lead Dust, Milled Flour
80 - 90%	12 - 14	99%	Pleated MERV 12 Filters, Rigid Cell Filters, Extended Surface Pocket Filters	Legionella, Humidifier Dust, Smoke, Copier Toner, Face Powder, Paint Pigments, Insecticide Dust
90 - 95%	14 - 15	99%	HEPA, Extended Surface Pocket Filters, Rigid Cell Filters	Sneeze, Cooking Oil
95%	16	N/A	Rigid Cell Filters	Bacteria, Tobacco Smoke