FREE CALCULATOR

MERV rating chart for air filters

What MERV 1 to 16 means, the particle sizes each range catches, how MERV compares with FPR and MPR, and the face area of a filter size.

CHART

MERV rating chart

MERV	SMALLEST PARTICLES CAUGHT	TYPICAL CONTAMINANTS
1 to 4	> 10.0 µm	Pollen, dust mites, cockroach debris, sanding dust, spray paint
5 to 8	10.0 to 3.0 µm ("E3")	Mold spores, dust mite debris, cat and dog dander, hair spray,
9 to 12	3.0 to 1.0 µm ("E2")	Legionella, humidifier dust, lead dust, milled flour, auto emissic
13 to 16	1.0 to 0.3 µm ("E1")	Bacteria, droplet nuclei (sneeze), cooking oil, most smoke and

CHART

MERV, FPR and MPR compared

MERV	FPR (HOME DEPOT)	MPR (3M FILTRETE)
6	(below lowest rating)	300
8	5	600
11	7	1000-1200
13	10	1500-1900

Free chart from fleetzap.com/tools/merv-rating-chart