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## ALL ABOUT MERV FILTERS RATINGS 1-20

WHAT IS A MICRON? A MICRON is equal to length of 1 millionth of a meter.

### WILL TRAP % OF AIR PARTICLES THE SIZE OF (MICRONS):

		<b>.03 - 1.0</b>	<b>1.0 - 3.0</b>	<b>3.0 - 10</b>
		ex. Viruses, small bacteria, fungal spores, smoke, odors, pet dander, gas, smog, soot	ex. large bacteria, pet dander, dust, vehicle exhaust, CO2	ex. large bacteria, pet dander, dust, pollen, mold, plant spores, fungal spores, hairspray, carpet fibers
	<b><u>TYPES &amp; USES</u></b>			
BASIC	Fiberglass & Aluminum Mesh			
	MERV 1	< 20%	< 20%	< 20%
	MERV 2	< 20%	< 20%	< 20%
	MERV 3	< 20%	< 20%	< 20%
	MERV 4	< 20%	< 20%	< 20%
FAIR	Cheap Disposable Filters			
	MERV 5	< 20%	< 20%	20% - 34%
	MERV 6	< 20%	< 20%	35% - 49%
	MERV 7	< 20%	< 20%	50% - 69%
	MERV 8	< 20%	< 20%	70% - 85%
TYPICAL	Better Home Box Filters			
	MERV 9	< 20%	< 50%	85% or more
	MERV 10	< 20%	50% - 64%	85% or more
	MERV 11	< 20%	65% - 79%	85% or more
	MERV 12	< 20%	80% - 90%	90% or more
BETTER	Superior Commercial			
	MERV 13	< 75%	90% or more	90% or more
	MERV 14	75% - 84%	90% or more	90% or more
	MERV 15	85% - 94%	95% or more	90% or more
	MERV 16	95% or better	95% or more	90% or more
BEST	HEPA & ULPA			
	MERV 17	99.97%	99% or more	99% or more
	MERV 18	99.997%	99% or more	99% or more
	MERV 19	99.9997%	99% or more	99% or more
	MERV 20	99.99997%	99% or more	99% or more