

## HVAC Filter Media Comparison Chart

	U.S ASHRAE 52.2	EN779	Particle Size	Average Arrestance to 250Pa (Dust Test No. 4)	Average Efficiency of Particulate (0.4µm) to 450Pa (Dust Test No. 1)	Average Efficiency Based on Most Penetrating Particle Size (0.3µm)	Typical Controlled Contaminant	Typical Applications
Pre-filters	MERV1	G1	>10µm	<65%			Pollen Dust Mites Textile Fibres Spray Paint Dust Sanding Dust	Domestic/Commercial Minimal Filtration
	MERV2	G2		65-80%				
	MERV3							
	MERV4							
	MERV5	G3	3µm - 10µm	80-90%			Cement Dust Hair Spray Mould Spores Dusting Aids	Industrial Workplace Improved Domestic/Commercial Paint Shop
	MERV6							
	MERV7	G4		>90%				
	MERV8							
Fine Filters	MERV9	F5	1µm - 3µm		40-60%		Lead Dust Coal Dust Auto Emissions Welding Fumes Milled Flour	Superior Domestic/Commercial Hospital Laboratories
	MERV10							
	MERV11			F6	60-80%			
	MERV12							
	MERV13	F7	0.3µm - 1µm		80-90%		All Bacteria Most Tobacco Smoke Most Face Powder Most Paint Pigments Droplet Nuclei (Sneeze)	General Surgery Hospital Inpatient Care Smoking Lounges
	MERV14	F8		90-95%				
	MERV15	F9		>95%				
	MERV16	F9/HEPA10			>85%			
HEPA Filters	MERV17	HEPA11	<0.3µm			>95%	Combustion Smoke Carbon Dust Sea Salt Virus (Unattached) Radon Progeny	Cleanrooms Radioactive Materials Pharmaceutical
	MERV18	HEPA12		>99.5%				
	MERV19	HEPA13		>99.99%				
	MERV20	HEPA14		>99.999%				

**Note:** This chart is accurate at the time of printing to the best of Pearl Filtration's knowledge, however it should not be relied upon. Final determination of the product is the sole responsibility of the user(s). This chart is intended to be used as a guidance only.