

ASHRAE Standard 52.2-2012				ASHRAE 52.1		EN	EN779-2012			EN1822:2009
Minimum Efficiency Reporting Value	Composite Average Particle Size Efficiency % in Size Range µm			Average Arrestance	Average Dust Spot Efficiency	Filter Class	Avg Arrestance of Syn Dust	Avg Eff at 0.4 µm	Min. Eff at 0.4 µm	Efficiency at MPPS
	Range E1	Range E2	Range E3				Test Final DP 250 Pa	Test Final DP 450 Pa		
MERV	0.3 - 1.0	1.0 - 3.0	3.0 - 10.0	%	%		%	%	%	%
1	n/a	n/a	E3 < 20%	Avg < 65	< 20	G1	50%A ≤65			
2	n/a	n/a	E3 < 20%	Avg < 65	< 20	G2	65%A ≤80			
3	n/a	n/a	E3 < 20%	Avg < 70	< 20					
4	n/a	n/a	E3 < 20%	Avg < 75	< 20					
5	n/a	n/a	20% ≤ E3	80	20	G3	80%A ≤90			
6	n/a	n/a	35% ≤ E3	85	20-25					
7	n/a	n/a	50% ≤ E3	90	25-30	G4	65%A ≤80			
8	n/a	20% ≤ E2	70% ≤ E3	92	30-35					
9	n/a	35% ≤ E2	75% ≤ E3	95	40-45	M5		40%A ≤Em60		
10	n/a	50% ≤ E2	80% ≤ E3	96	50-55					
11	20% ≤ E1	65% ≤ E2	85% ≤ E3	97	60-65	M6		60%A ≤Em80		
12	35% ≤ E1	80% ≤ E2	90% ≤ E3	98	70-75					
13	50% ≤ E1	85% ≤ E2	90% ≤ E3	98	80-85	F7		80% ≤ Em90	35	
14	75% ≤ E1	90% ≤ E2	95% ≤ E3	99	90-95	F8		90% ≤ Em95	55	
15	85% ≤ E1	90% ≤ E2	95% ≤ E3	99	95	F9		95% ≤ Em3	70	
16	95% ≤ E1	95% ≤ E2	95% ≤ E3	100	99	E10				<85
N/A	N/A	N/A	N/A	N/A	N/A	E11				<95
						E12				<99.5
						H13				<99.95
						H14				<99.995
						U15				<99.999
						U16				<99.99995
						U17				<99.999995

The information presented is intended as a reference and is intended for comparison purposes only. Specific details of testing standards are subject to change without notice