

ASHRAE Test Comparison 52.2 vs. 52.1

ASHRAE 52.2				ASHRAE 52.1		Particle size range, μm	Applications
	Particle size range			Test			
MERV	3 to 10 μm	1 to 3 μm	.3 to 1 μm	Arrestance	Dust spot		
1	<20%	—	—	<65%	<20%	>10	residential light pollen, dust mites
2	<20%	—	—	65-70%	<20%		
3	<20%	—	—	70-75%	<20%		
4	<20%	—	—	>75%	<20%		
5	20-35%	—	—	80-85%	<20%	3.0-10	industrial, dust, molds, spores
6	35-50%	—	—	>90%	<20%		
7	50-70%	—	—	>90%	20-25%		
8	>70%	—	—	>95%	25-30%		
9	>85%	<50%	—	>95%	40-45%	1.0-3.0	industrial, Legionella, dust
10	>85%	50-65%	—	>95%	50-55%		
11	>85%	65-80%	—	>98%	60-65%		
12	>90%	>80%	—	>98%	70-75%		
13	>90%	>90%	<75%	>98%	80-90%	0.3-1.0	hospitals, smoke removal, bacteria
14	>90%	>90%	75-85%	>98%	90-95%		
15	>90%	>90%	85-95%	>98%	>95%		
16	>95%	>95%	>95%	>98%	>95%		
17	—	—	$\geq 99.97\%$	—	—	<0.3	clean rooms, surgery, chem-bio, viruses
18	—	—	$\geq 99.99\%$	—	—		
19	—	—	$\geq 99.999\%$	—	—		
20	—	—	$\geq 99.9999\%$	—	—		

Contact Us With Your Needs!