

**PARTICLE CAPTURE EFFICIENCY IN LIQUID**

Media Grade	Particle Size - $\mu\text{m}$ Initial Collection Efficiency		
	90%	99%	99.9%
0.1	0.15	0.4	0.8
0.2	0.5	0.9	1.4
0.5	1	1.7	2.2
1	1.5	2.2	3.3
2	4	5.5	9
5	5	8	13
10	10	15	20
20	20	25	35
40	25	35	45
100	50	100	150

- Testing performed per ASTM F795
- Tested at 1 gpm/ft<sup>2</sup>
- ISO A2 or A3 test dust suspended in water

**PARTICLE CAPTURE EFFICIENCY IN GAS**

Media Grade	Particle Size - $\mu\text{m}$ Initial Collection Efficiency		
	90%	99%	99.9%
High Purity	D	D	D
0.1	C	C	C
0.2	A	B	0.2
0.5	A	0.25	0.3
1	A	0.35	0.7
2	0.3	0.6	2
5	0.8	2	5
10	4.5	8	13
20	8	12	20
40	12	25	45
100	20	40	100

- Tested at flux of 6 acfm/ft<sup>2</sup>
- A= Initial efficiency is greater than 90% for all particle sizes
- B= Initial efficiency is greater than 99% for all particle sizes
- C= Initial efficiency is greater than 99.9% for all particle sizes
- D= Initial efficiency is greater than 99.9999999% for all particle sizes