

Proposal for
removal efficiency of
90% and above
on
Sea Salt



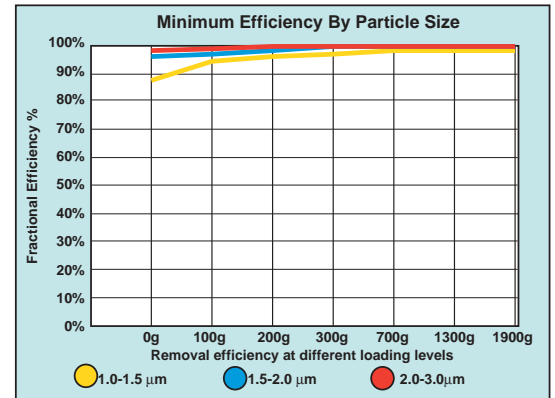
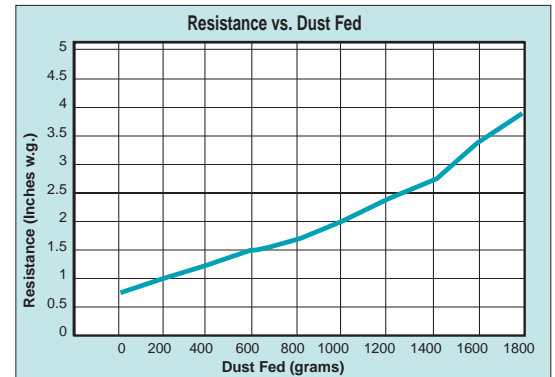
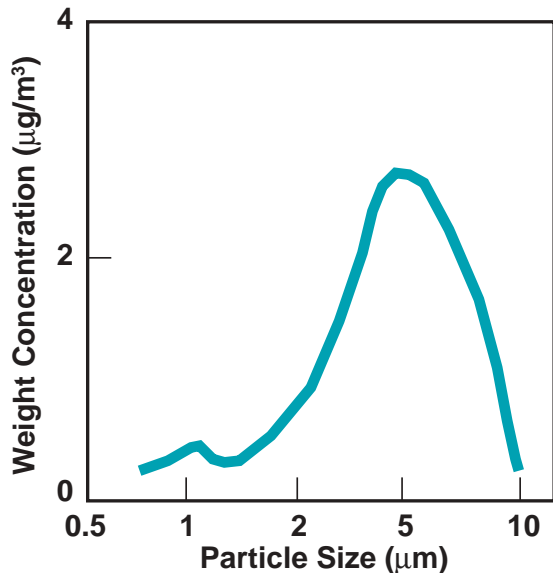
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Comparable to competitor literature

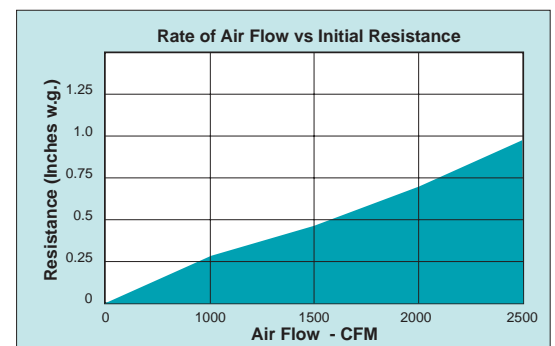
One manufacturer's publication shows the particle size for sea salt as being between approximately one and ten micro meters in size. For particles of this relatively large size, Flanders Precisionaire 95% ASHRAE media in a separatorless cell will achieve 90% removal efficiency fairly easily.

Particle Size Ranges (µm)	Removal Efficiency @ Loading:						
	0g	100g	200g	300g	700g	1300g	1900g
1.0-1.5	89.80	95.22	97.51	98.85	99.03	99.18	99.32
1.5-2.0	98.62	98.32	98.93	99.15	99.19	99.19	99.53
2.0-3.0	98.65	98.86	99.01	99.18	99.27	98.33	99.38



REPORT 10047
 AIR FILTER TESTING LABORATORIES, INC.
 Product Name: Econocell-GT
 Size: 24x24x12

Test Airflow Rate	2000	cfm
Initial Resistance	.68	"w.g.
Final Resistance	4.00	"w.g.
Initial atmospheric Dust Spot Efficiency	65.1	%
Average Atmospheric Dust Spot Efficiency	94	%
Average SAE FINE Dust Weight Arrestance	100	%
SAE FINE Dust Holding Capacity	1829	g

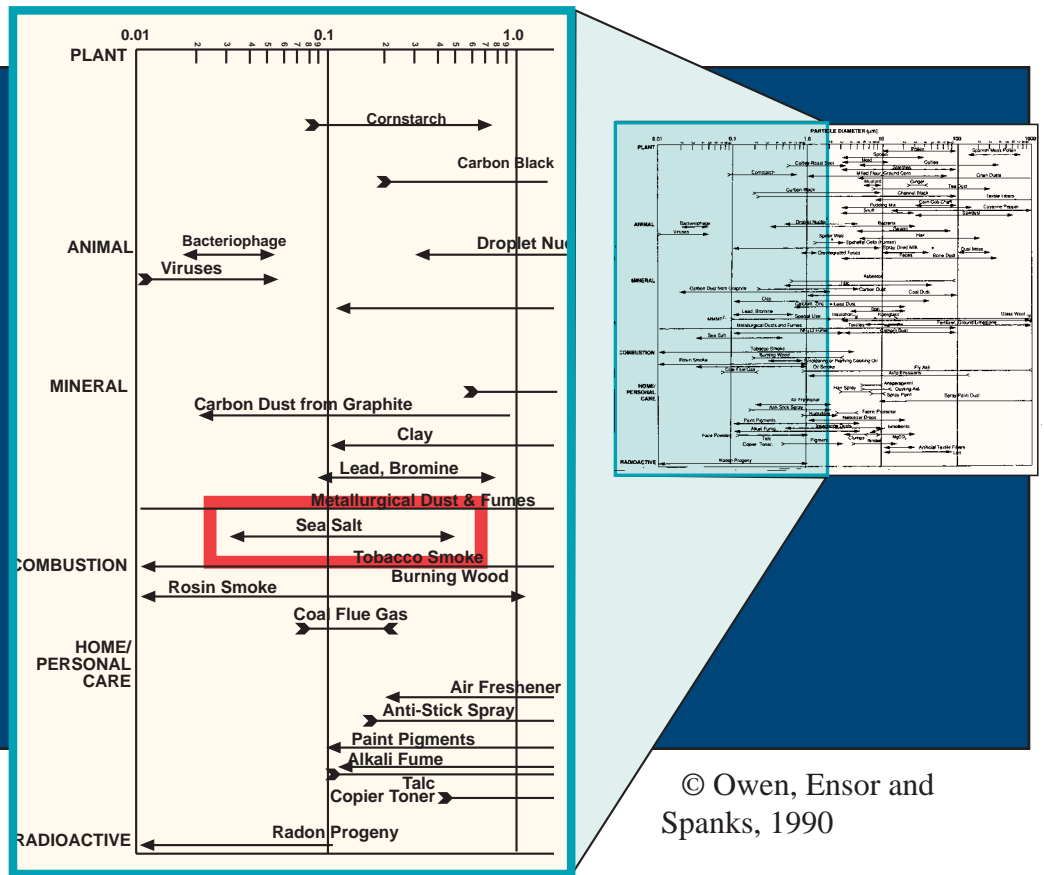


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“Relative Particle Size”

Source:
National Air Filtration Association
Guide to Air Filtration



Based on NAFA published particle sizes

The National Air Filtration Association’s publication “NAFA Guide to Air Filtration” shows sea salt as falling within a size range of approximately .05 to .5 microns in diameter.

A Flanders Precisionaire separatorless cell with plywood frame, utilizing Lydair Grade 3428 media will accomplish 90% removal efficiency within this particle size range.

