



2820 S. English Station Road - Louisville, KY 40299

ASHRAE Standard 52.2-99 TEST REPORT

FULL TEST

Filter Description	Manufacturer	Leggett & Platt, Cumulus Fibres Division	
	Filter Model	Unknown	
	Part Number	Unknown	
	Filter Type	1.25" Super Tack	
	Filter Date Code	Unknown	
	Nominal Face Dimensions	24" x 24"	
	Nominal Depth	1.25"	
	Pocket / Pleat Quantity	Flat	
	Media Type	Polyester	
	Est. Gross Media Area	4 ft2	
	Adhesive Type	Super Tack	
	Adhesive Amount	Unknown	
Internal Use	Open Market	_____	UL Class
	Experimental	_____	Not Rated
	Quality Control	X	Not Known
	Standard	_____	X
Test Conditions	Test Air Flow Rate (CFM)	1200	Test Air Temp (degrees F.)
	Dust Feed Rate (gms / MCF)	2/1000	Relative Humidity (%)
	Dust Type	ASHRAE	Barometric Pressure (In. Hg.)
	Test Duct Number	3	77.28
Test Results	Initial Resistance (in, W.G.)	0.33	
	Final Resistance (in, W.G.)	1	
	Dust Fed to Final Resistance	130 gms	
	E1 Minimum Average Efficiency 0.3-0.84 Microns	6	
	E2 Minimum Average Efficiency 1.14-2.57 Microns	52	
	E3 Minimum Average Efficiency 3.46-8.37 Microns	72	
	Minimum Efficiency Rating Value (MERV)	MERV 8 @ 1200 CFM	
Comments			
Requestor Information	Test Requestor	Shawn Tanner	Phone Number
	Company Name	Leggett & Platt, Cumulus	Fax Number
	Company Address	Charlotte, NC	Date Requested
Test Operator Information	Test Performed by:	Mike McLain	Completion Date
			704-394-2111
			704-394-2650
			4-May-05
			6-May-05

BLUE HEAVEN TECHNOLOGIES

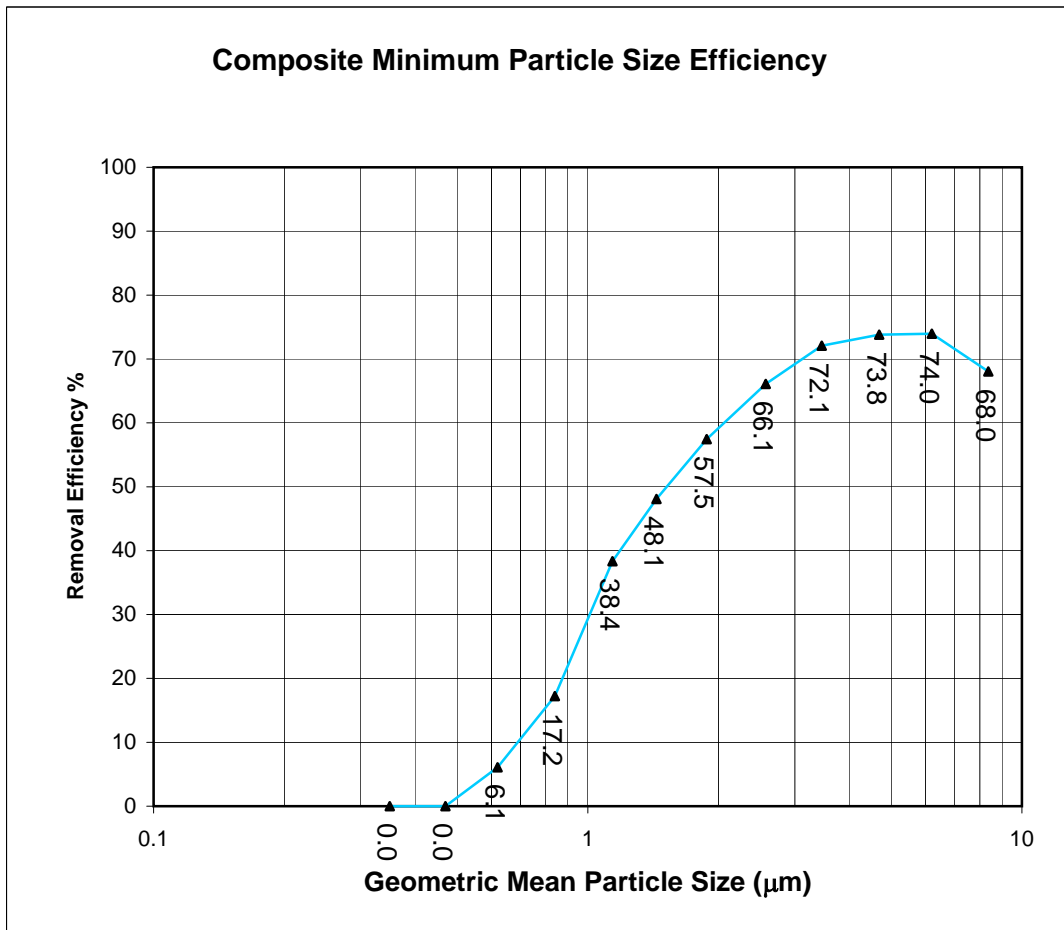
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2820 S. ENGLISH STATION ROAD
LOUISVILLE, KY 40299

TEL: (502) 357-0132
FAX: (502) 267-8379

Test Number:	05-213	Filter Test Date	6-May-05
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Size Range (μm)	Composite Minimum Fractional Efficiency
0.35	0.0
0.47	0.0
0.62	6.1
0.84	17.2
1.14	38.4
1.44	48.1
1.88	57.5
2.57	66.1
3.46	72.1
4.69	73.8
6.20	74.0
8.37	68.0



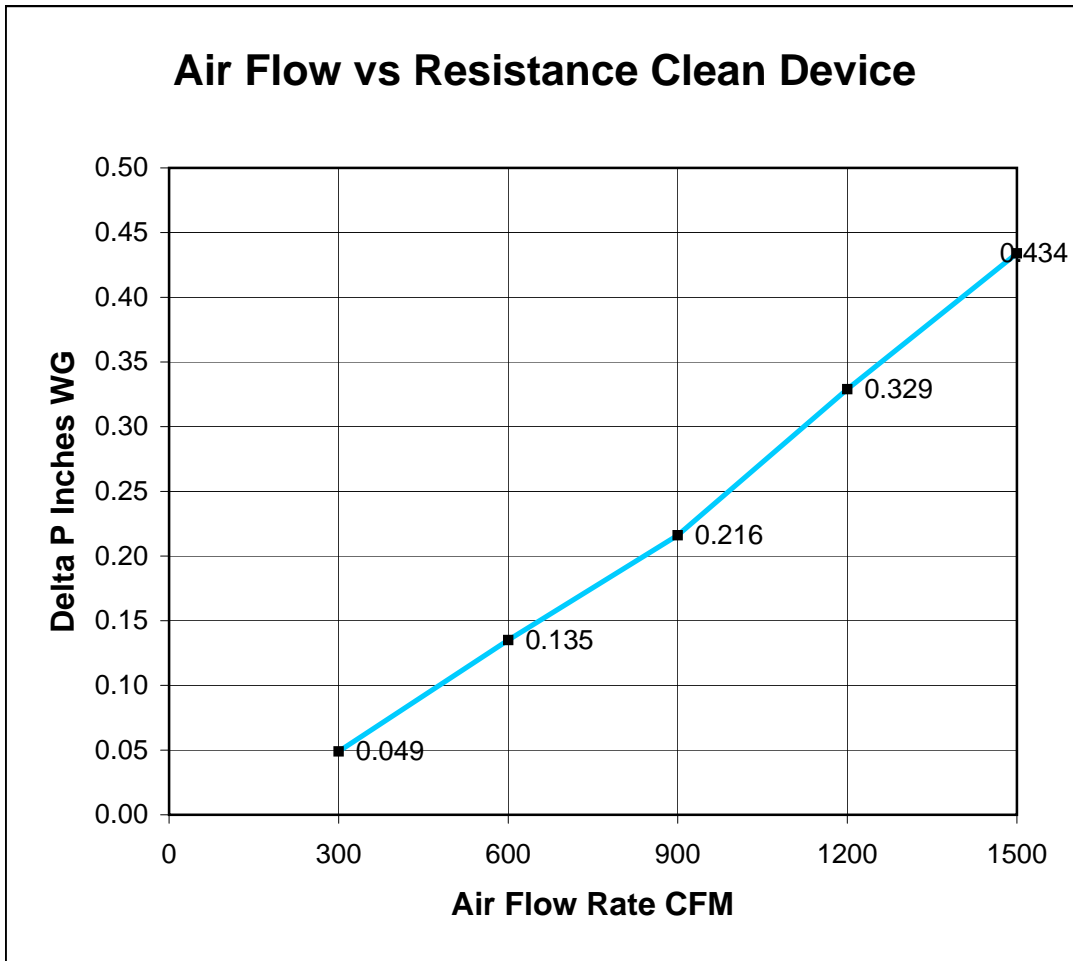
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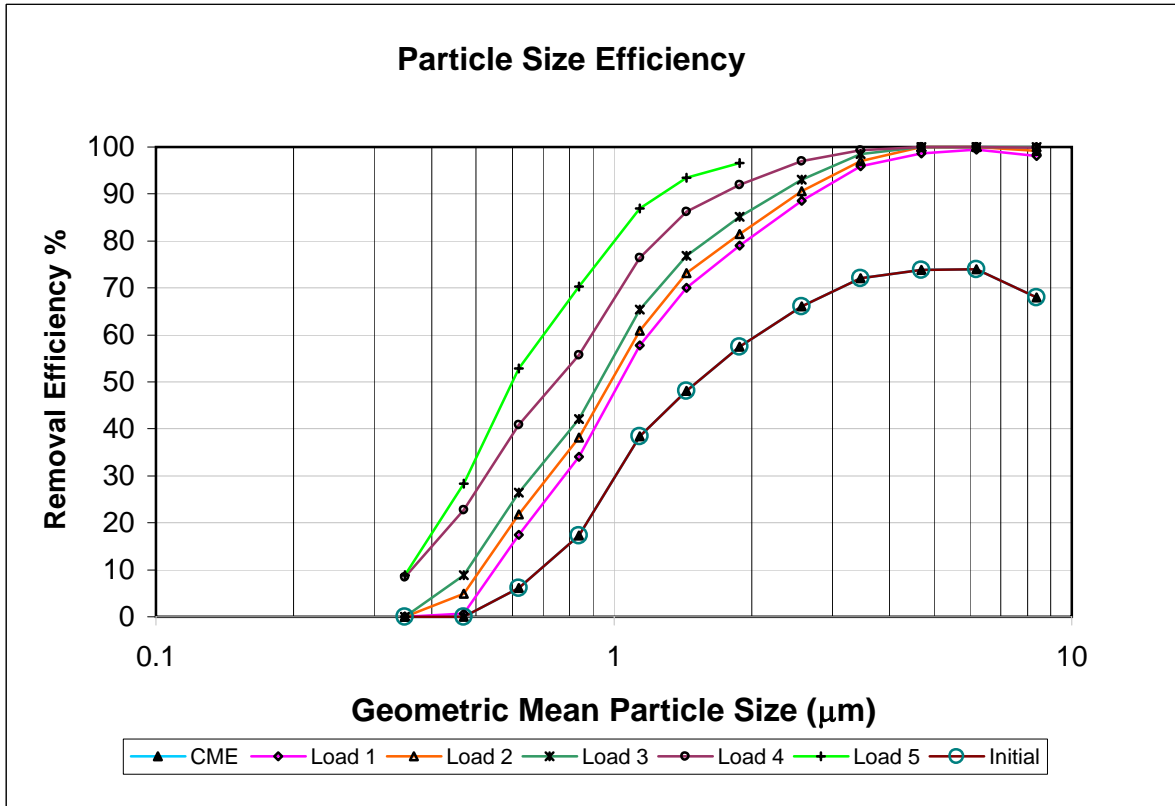
Flow Rate (cfm)	DP Inches of H2O
300	0.049
600	0.135
900	0.216
1200	0.329
1500	0.434

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Size Range (µM)	Fractional Efficiency (%)						
	CME	Initial	Load 1	Load 2	Load 3	Load 4	Load 5
0.35	0.0	0.0	0.0	0.0	0.0	8.5	8.9
0.47	0.0	0.0	0.6	4.9	8.9	22.8	28.4
0.62	6.1	6.1	17.5	21.8	26.4	40.9	52.8
0.84	17.2	17.2	34.1	38.1	42.1	55.8	70.4
1.14	38.4	38.4	57.7	60.8	65.5	76.5	86.9
1.44	48.1	48.1	70.0	73.1	76.9	86.2	93.5
1.88	57.5	57.5	79.0	81.4	85.2	92.0	96.6
2.57	66.1	66.1	88.6	90.6	93.0	97.0	99.2
3.46	72.1	72.1	95.9	97.0	98.6	99.4	100.0
4.69	73.8	73.8	98.7	100.0	100.0	100.0	98.7
6.20	74.0	74.0	99.5	100.0	100.0	100.0	98.4
8.37	68.0	68.0	98.0	99.2	100.0	99.9	98.2
	CME	Initial	Load 1	Load 2	Load 3	Load 4	Load 5
			0.39	0.44	0.54	0.77	1.02
			10 grams	20 grams	50 grams	85 grams	130 grams