

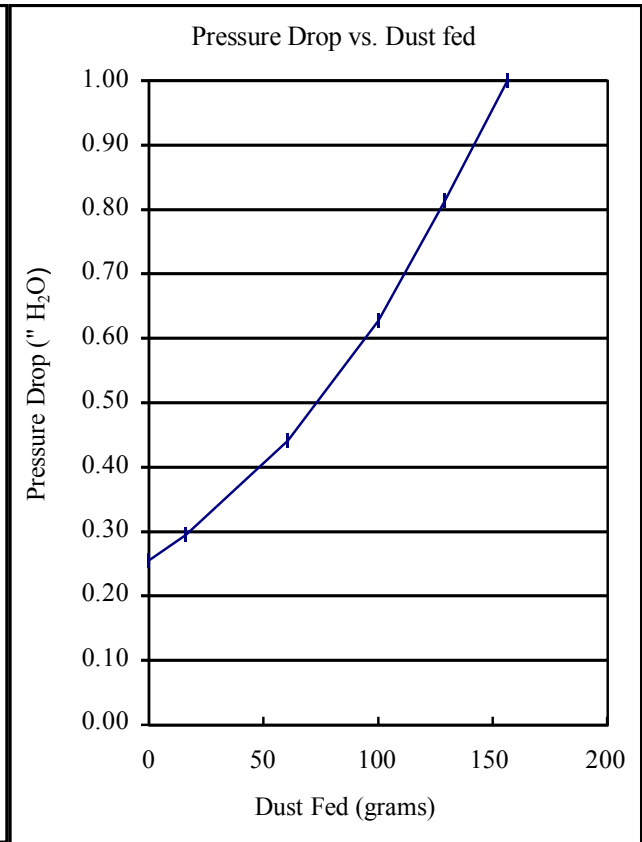
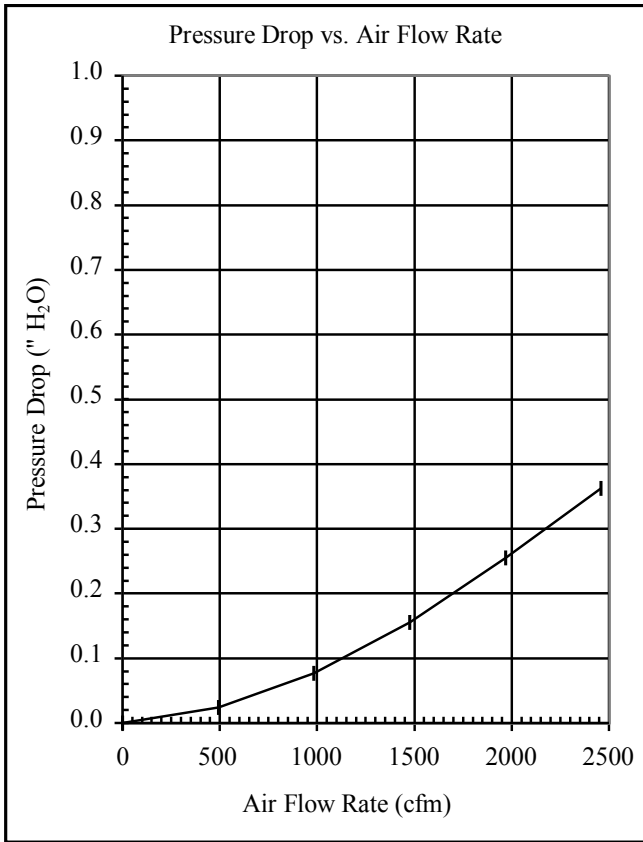


**LMS Technologies, Inc.**  
**6423 Cecilia Circle, Bloomington, MN 55439**  
**(952) 918-9060, Fax: (952) 918-9061**

Date: December 31, 2002 Filter ID : High Cap. 24x24x2 Test Type : Pressure Drop of Clean Filter for ASHRAE 52.2 <b>REP# 415</b>	Test Requested by : Filtration Manufacturing
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Flow Rate (CFM)	Velocity FPM	dP (mm H2O)	Pressure drop ("H2O)	% of Rated Airflow	Dust fed	Pressure drop
0	0	0.00	0.000	0%	0.00	0.255
492	123	0.62	0.024	25%	16.20	0.295
984	246	1.95	0.077	50%	60.80	0.441
1476	369	3.95	0.156	75%	100.20	0.627
1968	492	6.48	0.255	100%	129.00	0.813
2460	615	9.20	0.362	125%	156.40	1.000

52.2P (sec.9.4)



TEST SUPERVISOR  
 MICK FLOM \_\_\_\_\_

ENGINEERING APPROVAL  
 K.C.KWOK PH.D. \_\_\_\_\_

DPI

**LMS Technologies, Inc.**

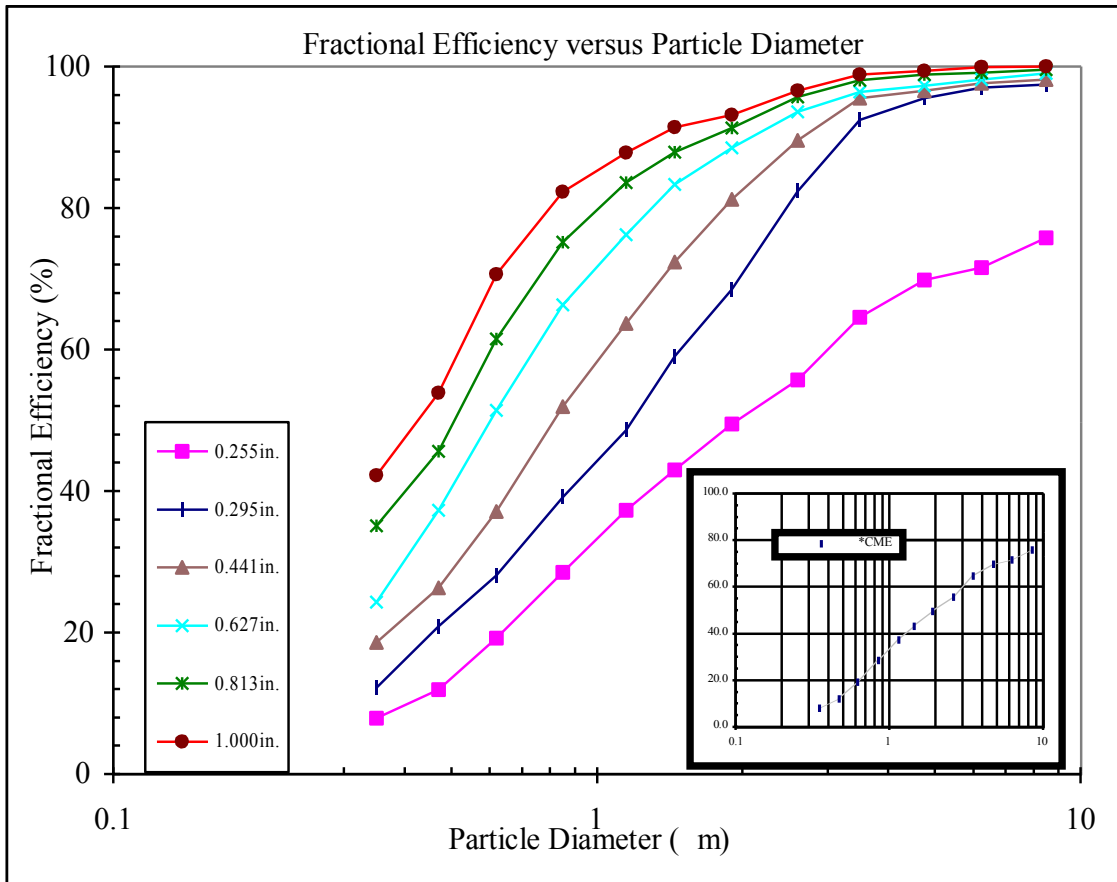
P.O. Box 24185, Edina, MN 55424

(612) 918-9060, Fax: (612) 918-9061

Date :	December 31, 2002	Requested by :
Filter ID :	High Cap.24x24x2	Filtration Manufacturing
Test Type :	52.2 <b>REP# 415</b>	
Test Aerosol :	KCl, Neutralized	Flow Rate: 1968cfm

P (" H <sub>2</sub> O)	0.255in.	0.295in.	0.441in.	0.627in.	0.813in.	1.000in.	*CME
Size Range ( m)	Fractional Efficiency (%)						
0.3-0.4	7.9	12.2	18.6	24.3	35.1	42.2	7.9
0.4-0.55	11.9	20.9	26.3	37.3	45.6	53.9	11.9
0.55-0.7	19.2	28.1	37.1	51.4	61.5	70.6	19.2
0.7-1.0	28.5	39.1	51.9	66.3	75.2	82.3	28.5
1.0-1.3	37.3	48.6	63.7	76.2	83.6	87.8	37.3
1.3-1.6	43.0	59.0	72.4	83.3	87.9	91.4	43.0
1.6-2.2	49.5	68.5	81.2	88.5	91.3	93.2	49.5
2.2-3.0	55.7	82.4	89.6	93.6	95.7	96.6	55.7
3.0-4.0	64.6	92.5	95.5	96.4	98.1	98.9	64.6
4.0-5.5	69.8	95.5	96.6	97.3	98.9	99.4	69.8
5.5-7.0	71.6	97.0	97.6	98.2	99.1	99.9	71.6
7.0-10.0	75.8	97.5	98.2	99.0	99.6	100.0	75.8

\*Composite Minimum Efficiency



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