



AIR FILTER TESTING LABORATORIES, INC.

4632 Old LaGrange Road • Buckner, Kentucky 40010

Phone (502) 222-5720 • Fax (502) 222-9881

ASHRAE STANDARD 52.2-1999

REMOVAL EFFICIENCY BY PARTICLE SIZE (0.3 to 10.0 μm ; KCI)

DEVICE TESTED

REPORT NO.

13326

TEST NO.

1

SHEET NO.

1

Test Requested By CAMFIL FARR
Manufacturer CAMFIL FARR
Test Sample Procurement FURNISHED BY MANUFACTURER
Product Name GOLD CONE CARTRIDGE
Model No. 211497005
Dimensions 381/254 mm O.D. X 254/183 mm I.D. X 991/838 mm LG (NOMINAL)

DEVICE DESCRIPTION

Generic Device Classification / Type	CYLINDRICAL PLEAT	
Number Of Pleats / Pockets	230/181	no.
Number Of Banks	N/A	no.
Face Dimension (Nom. O.D.)	381/254	mm O.D.
Face Dimension (Nom. I.D.)	254/183	mm I.D.
Length Dimension (Nom. Length)	991/838	mm LG
Depth Dimension (Nom. Depth)	51/25	mm D
Type Of Media	SYNTHETIC	
Type And Amount Of Adhesive	NONE	
Product Description		

TEST CONDITIONS

DATE

09-29-2005

TEST SUPERVISOR

J.P.S.

ADMINISTRATIVE

APPROVAL

Michael A. Murphy

Test Airflow Rate	1700	m ³ /hr
Test Aerosol Type	KCI	
Test Dust Type	SAE FINE	
Test Dust Feed Rate	71.0	mg/m ³
Device Test Section Duct Size	610 x 610	mm
Final Device Resistance	1000	Pa
Air Temperature	23.0	°C
Relative Humidity	50	%
Optical / Aerodynamic Particle Counter(s); OPC / APC	CLIMET INST. / CI-500 (laser)	
Remarks/ Note		

TEST RESULTS - see attached performance curves

Initial Device Resistance	183	Pa
Final Device Resistance	1000	Pa
Composite Average Minimum Efficiencies	E1 (0.3 - 1.0 μm) 87	E2 (1.0 - 3.0 μm) 98
	E3 (3.0 - 10.0 μm) 100	%
Minimum Efficiency Reporting Value (MERV)	MERV 15 @ 1700 m ³ /hr	
Average SAE Fine Dust Weight Arrestance	N/A	%
SAE Fine Dust Holding Capacity	N/A	g





AIR FILTER TESTING LABORATORIES, INC.

4632 Old LaGrange Road • Buckner, Kentucky 40010

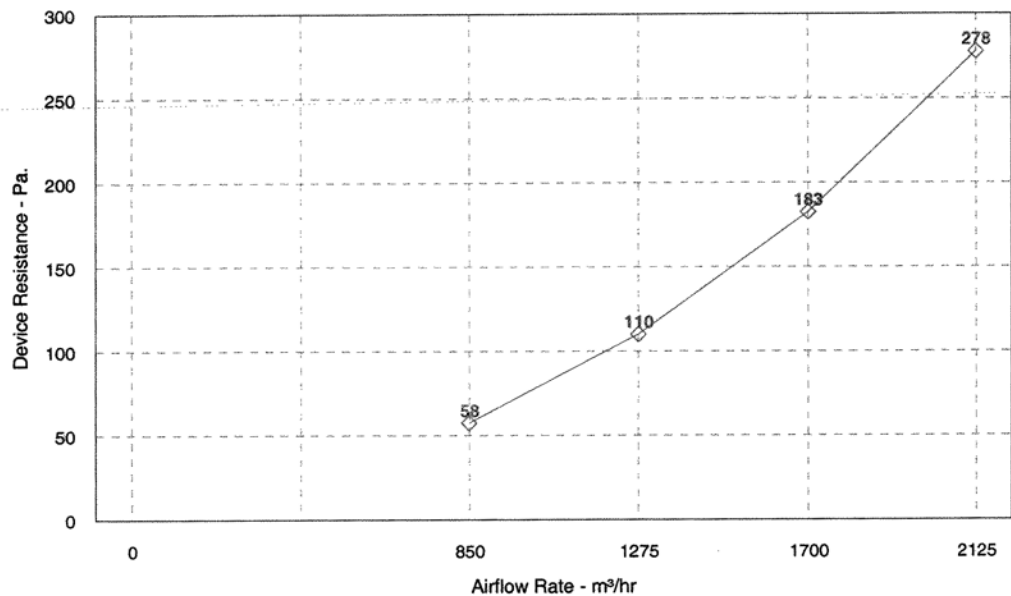
Phone (502) 222-5720 • Fax (502) 222-9881

ASHRAE STANDARD 52.2-1999 - PERFORMANCE CURVES
REMOVAL EFFICIENCY BY PARTICLE SIZE (0.3 to 10.0 μm ; KCl)

PERFORMANCE CURVES

CLEAN DEVICE

Airflow Rate -vs- Initial Device Resistance



REPORT NO.

13326

TEST NO.

1

SHEET NO.

2

DATE

09-29-2005

TEST SUPERVISOR

J.P.S.

ADMINISTRATIVE

APPROVAL

Michael A. Murphy





AIR FILTER TESTING LABORATORIES, INC.

4632 Old LaGrange Road • Buckner, Kentucky 40010

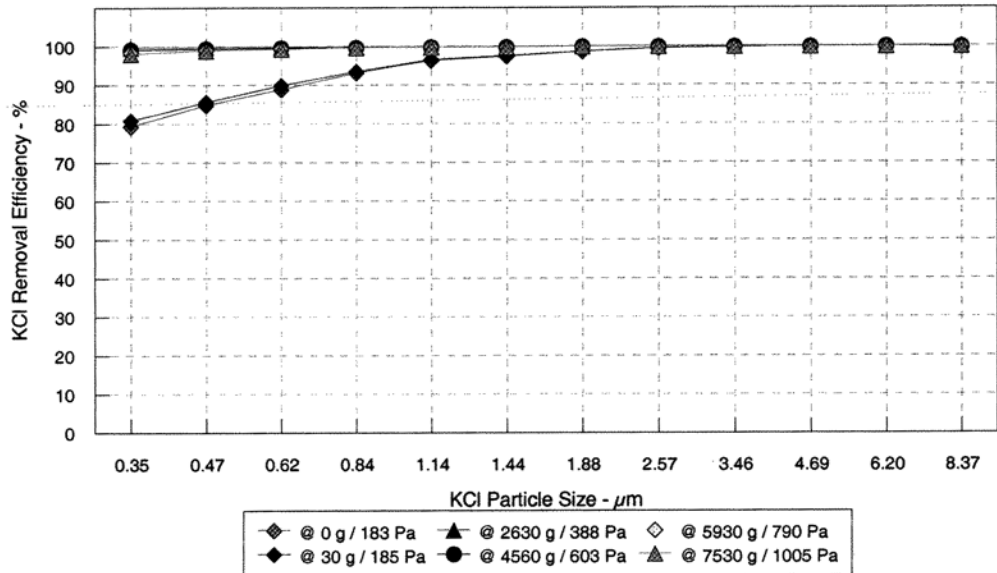
Phone (502) 222-5720 • Fax (502) 222-9881

ASHRAE STANDARD 52.2-1999 - PERFORMANCE CURVES REMOVAL EFFICIENCY BY PARTICLE SIZE (0.3 to 10.0 μm ; KCl)

PERFORMANCE CURVES

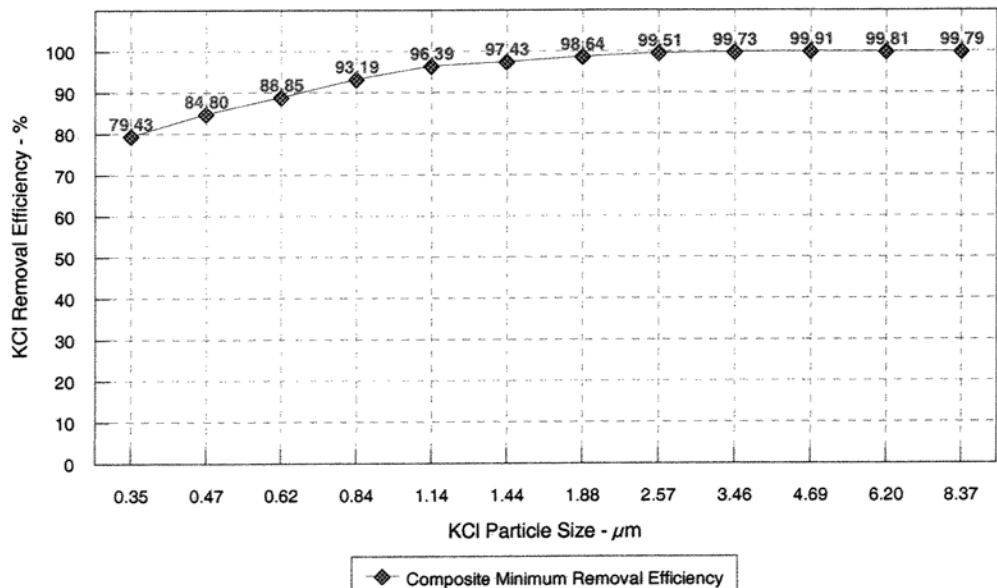
PARTICLE SIZE -vs- REMOVAL EFFICIENCY

Incremental KCl Particle Size Removal Efficiency



PARTICLE SIZE -vs- REMOVAL EFFICIENCY

Composite Minimum KCl Particle Size Removal Efficiency



REPORT NO.
13326

TEST NO.
1

SHEET NO.
3

DATE
09-29-2005

TEST SUPERVISOR
J.P.S.

ADMINISTRATIVE
APPROVAL
Michael A. Murphy

