

## ASHRAE STANDARD 52.2 - 2007 TEST REPORT INITIAL PARTICLE REMOVAL EFFICIENCY & RESISTANCE

### FILTER DATA

Date: 01/13/12 Test# 030

Filter: Poly-Flo, 1"  
 Size: 24 x 24 x 1  
 Media Area: 4 ft<sup>2</sup>  
 Adhesive: NONE  
 Antimicrobial:  
 Description: 1" blue, rigid media.

### Test Summary

Air Flow Rate: 1200 cfm (300 fpm)  
 Test Aerosol: KCl, Neutralized  
 Test Operator: J. Mazur

#### Resistance Traverse:

900 cfm (200 fpm)	0.03" w.g.
1000 cfm (250 fpm)	0.04" w.g.
1200 cfm (300 fpm)	0.06" w.g.

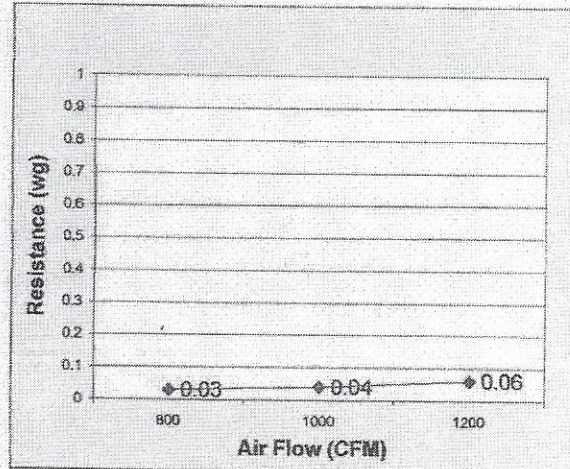
#### Estimated Initial Particle Removal Efficiency:

Range 1 (0.3 - 1.0 micron)	18.2%
Range 2 (1.0 - 3.0 micron)	30.1%
Range 3 (3.0 - 10 micron)	40.5%

Minimum Efficiency Reporting Value (MERV) 6

*\*If Initial Data is Minimum*

### RESISTANCE VS. AIR FLOW



### PARTICLE SIZE REMOVAL EFFICIENCY CURVE

