

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

### FILTER DATA

Date: 01/13/12 Test# 030

Filter: PermaFlo, 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:

800 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:

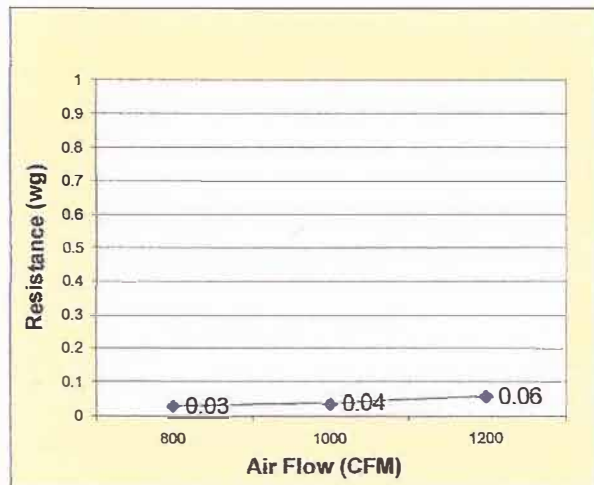
Range 1 (0.3 - 1.0 micron)	18.2%
Range 2 (1.0 - 3.0 micron)	30.1%
Range 3 (3.0 - 10 micron)	40.5%

Minimum Efficiency Reporting Value (MERV)

6

*\*If Initial Data is Minimum*

### RESISTANCE VS. AIR FLOW



### PARTICLE SIZE REMOVAL EFFICIENCY CURVE

