

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

FILTER DATA

Date: 01/13/12 Test# 029

Filter: PermaFlo 1/2"
 Size: 24 x 24 x 1/2
 Media Area: 4 ft²
 Adhesive: NONE
 Antimicrobial:
 Description: 1/2" 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)	0.02" w.g.
1000 cfm (250 fpm)	0.03" w.g.
1200 cfm (300 fpm)	0.04" w.g.

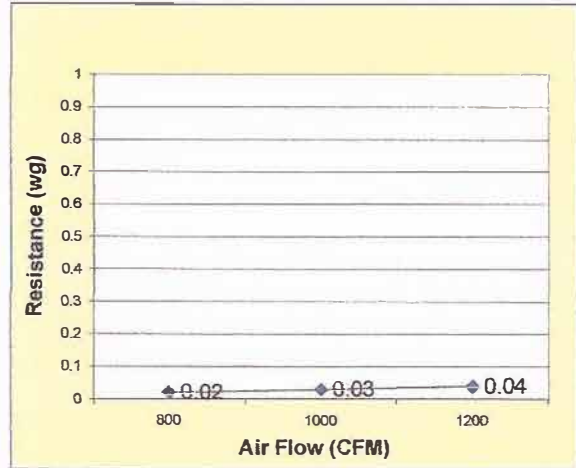
Estimated Initial Particle Removal Efficiency:

Range 1 (0.3 - 1.0 micron)	9.5%
Range 2 (1.0 - 3.0 micron)	17.3%
Range 3 (3.0 - 10 micron)	24.5%

Minimum Efficiency Reporting Value (MERV) 5

*If Initial Data is Minimum

RESISTANCE VS. AIR FLOW



PARTICLE SIZE REMOVAL EFFICIENCY CURVE

