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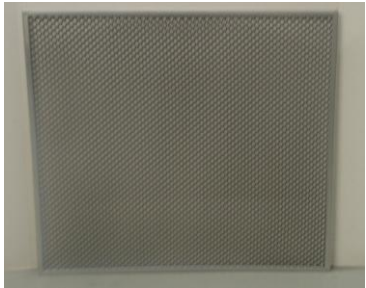
ASHRAE Air Filter
Test Report

Report No.
GLT 2438
 Date:
12-Jul-13
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52.2-2007 ASHRAE Test -- Resistance Traverse

Filter Description		Test Conditions																																		
Manufacturer:	PERMATRON	Air Flow (CFM)	2000																																	
Product Name:	HailGuard	Face Velocity (FPM)	492																																	
Model/Style Code:	net-type material	Air Temperature (°F)	72																																	
Nominal Dimensions: (inches)	24w x 24h x 1/4 d	Relative Humidity (%)	37																																	
Product Description:		Barometric Pressure (In. HG)	29.38																																	
Stainless steel frame; polymer net media		Type of Test Aerosol:	n/a																																	
Number of Filter Panels:	1	Particle Counter:	n/a																																	
Pleat Quantity (visible):	not applicable	Filter Loading Dust:	None																																	
Pocket Quantity:	not applicable	Test Results																																		
Media Type:	polymer	<u>Air Flow vs Filter Resistance</u>																																		
Media Color:	black net																																			
Effective Media Area:	4 sq. ft.																																			
Type of Dust Adhesive:	none																																			
Amount of Dust Adhesive:	not applicable																																			
Filter Procurement Method:	Provided by Manufacturer																																			
Additional Information:																																				
		<table border="1"> <thead> <tr> <th colspan="2">Air Flow</th> <th>Resistance</th> </tr> <tr> <th>CFM</th> <th>FPM</th> <th>Inches WG</th> </tr> </thead> <tbody> <tr><td>300</td><td>75</td><td>0.003</td></tr> <tr><td>600</td><td>150</td><td>0.007</td></tr> <tr><td>900</td><td>225</td><td>0.012</td></tr> <tr><td>1200</td><td>300</td><td>0.019</td></tr> <tr><td>1500</td><td>375</td><td>0.026</td></tr> <tr><td>1800</td><td>450</td><td>0.034</td></tr> <tr><td>2100</td><td>525</td><td>0.043</td></tr> <tr><td>2400</td><td>600</td><td>0.053</td></tr> <tr><td>2700</td><td>675</td><td>0.063</td></tr> </tbody> </table>		Air Flow		Resistance	CFM	FPM	Inches WG	300	75	0.003	600	150	0.007	900	225	0.012	1200	300	0.019	1500	375	0.026	1800	450	0.034	2100	525	0.043	2400	600	0.053	2700	675	0.063
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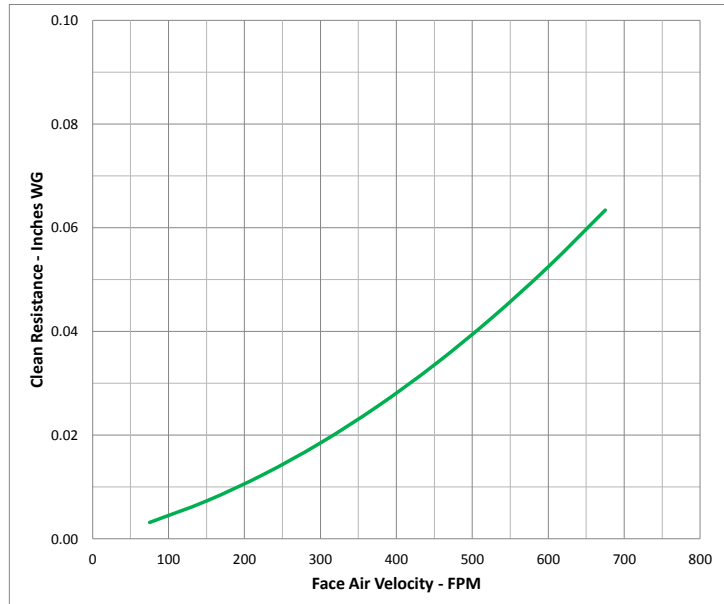
Photograph of Air Entering Side of Filter



Photograph of Filter Corner



Filter Resistance vs Air Flow



Comments:

Approval: Monroe A. Britt
 12-Jul-13