



270 Haven Hill Road Shelbyville, KY 40065
 Phone: 502 494 5797 E-Mail: monroebritt@bellsouth.net

ASHRAE Air Filter
Test Report

Report No.

GLT 213

Date:

3-Mar-10

Page:

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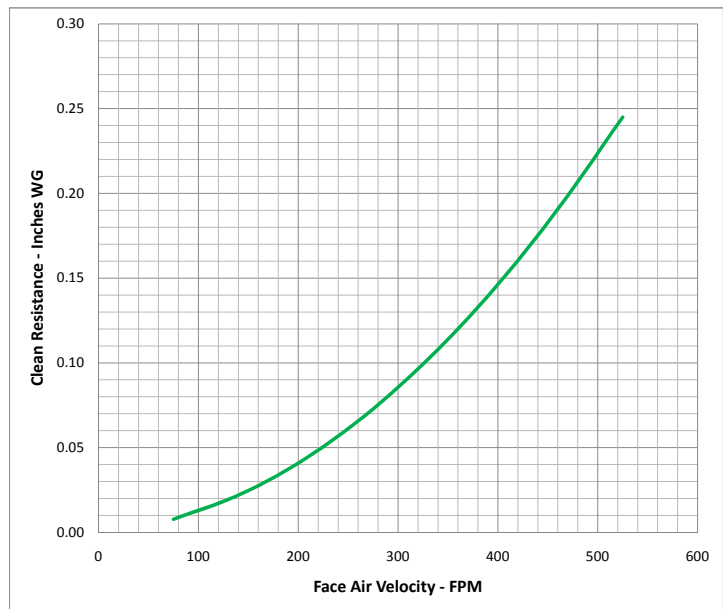
52.2-2007 ASHRAE Test -- Resistance Traverse

Filter Description	Test Conditions																										
Manufacturer: PERMATRON Product Name: Model/Style Code: DuraFoam 1/2 Inch Nominal Dimensions: (inches) 24w x 24w x 1/2d Product Description: Stainless Steel frame; front and rear polymer grids; multi-layer polymer screen media Number of Filter Panels: 1 Pleat Quantity (visible): not applicable Pocket Quantity: not applicable Media Type: polymer Media Color: Black Effective Media Area: 4 sq. ft. Type of Dust Adhesive: none Amount of Dust Adhesive: not applicable Filter Procurement Method: Provided by Manufacturer	Air Flow (CFM) ---- Face Velocity (FPM) ---- Air Temperature (°F) 63 Relative Humidity (%) 36 Barometric Pressure (In. HG) 29.23 Type of Test Aerosol: n/a Particle Counter: n/a Filter Loading Dust: None																										
	Test Results																										
	Air Flow vs Filter Resistance																										
	<table border="1"> <thead> <tr> <th colspan="2">Air Flow</th> <th rowspan="2">Resistance - In. WG</th> </tr> <tr> <th>CFM</th> <th>FPM</th> </tr> </thead> <tbody> <tr><td>300</td><td>75</td><td>0.01</td></tr> <tr><td>600</td><td>150</td><td>0.02</td></tr> <tr><td>900</td><td>225</td><td>0.05</td></tr> <tr><td>1200</td><td>300</td><td>0.09</td></tr> <tr><td>1500</td><td>375</td><td>0.13</td></tr> <tr><td>1800</td><td>450</td><td>0.18</td></tr> <tr><td>2100</td><td>525</td><td>0.24</td></tr> </tbody> </table>	Air Flow		Resistance - In. WG	CFM	FPM	300	75	0.01	600	150	0.02	900	225	0.05	1200	300	0.09	1500	375	0.13	1800	450	0.18	2100	525	0.24
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Additional Information:																											

Photograph of Air Entering Side of Filter



Filter Resistance vs Air Flow



Photograph of Label/Markings



Comments:

Approval: Monroe A. Britt
3-Mar-10