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**ASHRAE Air Filter  
 Test Report**

Report No.

**GLT 277**

Date:

**17-Apr-10**

Page:

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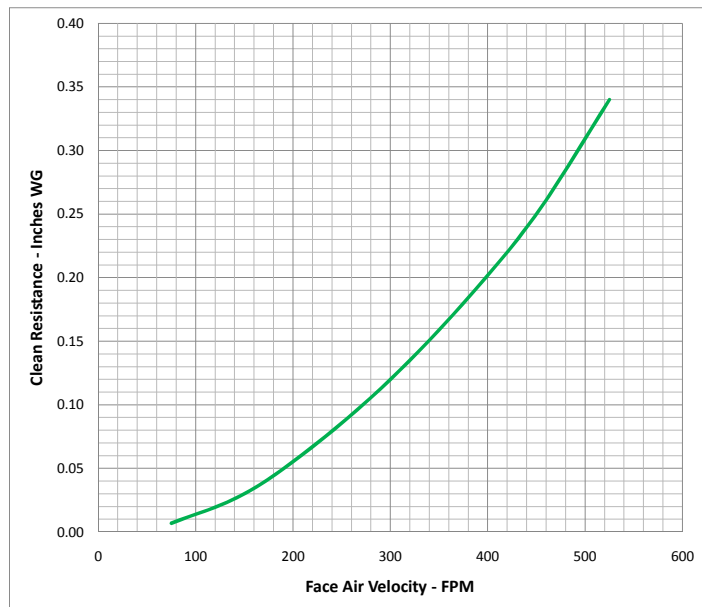
**52.2-2007 ASHRAE Test -- Resistance Traverse**

Filter Description	Test Conditions																										
Manufacturer: PERMATRON Product Name: DuraLoft 2 " Model/Style Code: BPN36/PFLO.5/PFLO1"/BPN36 Nominal Dimensions: (inches) 24w x 24h x 2d Product Description: Stainless Steel frame; front and rear polymer grids; polymer mesh media  Number of Filter Panels: 1 Pleat Quantity (visible): not applicable Pocket Quantity: not applicable Media Type: polymer Media Color: Blue Media 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) 65 Relative Humidity (%) 47 Barometric Pressure (In. HG) 29.38 Type of Test Aerosol: n/a Particle Counter: n/a Filter Loading Dust: None																										
Additional Information:	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>0.03</td></tr> <tr><td>900</td><td>225</td><td>0.07</td></tr> <tr><td>1200</td><td>300</td><td>0.12</td></tr> <tr><td>1500</td><td>375</td><td>0.18</td></tr> <tr><td>1800</td><td>450</td><td>0.25</td></tr> <tr><td>2100</td><td>525</td><td>0.34</td></tr> </tbody> </table>	Air Flow		Resistance - In. WG	CFM	FPM	300	75	0.01	600	150	0.03	900	225	0.07	1200	300	0.12	1500	375	0.18	1800	450	0.25	2100	525	0.34
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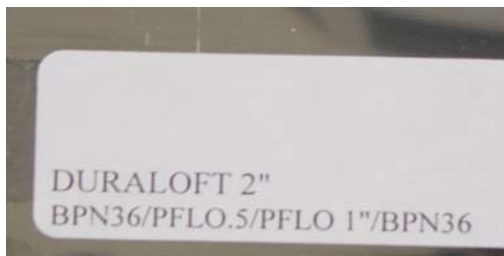
**Photograph of Air Entering Side of Filter**



**Filter Resistance vs Air Flow**



**Photograph of Label/Markings**



**Comments:**

**Approval:** Monroe A. Britt  
 17-Apr-10