



2820 S. English Station Road - Louisville, KY 40299

TEST NO. 16-1575

# Test Report - Vertical Test Duct

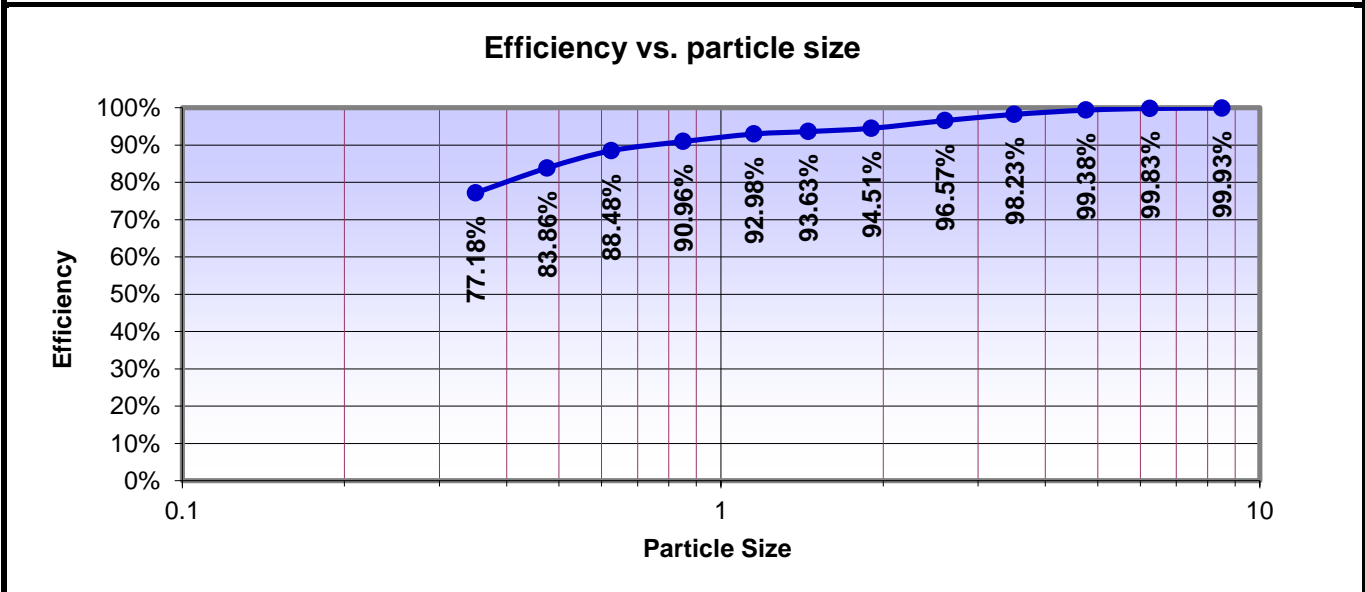
KCI Efficiency Testing (Based on ASHRAE 52.2 Test Method)  
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<b>Filter Information</b>	Manufacturer	HIFYBER
	Part Number	HF-B135-FR-15
	Nominal Face Dimensions	16" X 16"
	Media Type	Cellulose Flat Sheet Media

<b>Test Conditions</b>	Test Air Flow Rate (FPM)	4
	Challenge Aerosol	KCI
	Test Air Temp (degrees F.)	75.6
	Relative Humidity (%)	56.5
	Barometric Pressure (In. Hg.)	29.44

<b>Test Results</b>	0.30 - 0.40 µm Range Efficiency	0.35	77.18%	E1	85%
	0.40 - 0.55 µm Range Efficiency	0.475	83.86%		
	0.55 - 0.70 µm Range Efficiency	0.625	88.48%		
	0.70 - 1.00 µm Range Efficiency	0.85	90.96%	E2	94%
	1.00 - 1.30 µm Range Efficiency	1.15	92.98%		
	1.30 - 1.60 µm Range Efficiency	1.45	93.63%		
	1.60 - 2.20 µm Range Efficiency	1.9	94.51%		
	2.20 - 3.00 µm Range Efficiency	2.6	96.57%	E3	99%
	3.00 - 4.00 µm Range Efficiency	3.5	98.23%		
	4.00 - 5.50 µm Range Efficiency	4.75	99.38%		
	5.50 - 7.00 µm Range Efficiency	6.25	99.83%		
7.00 - 10.00 µm Range Efficiency	8.5	99.93%			
<b>Estimated Minimum Efficiency Reporting Value (MERV)</b>					<b>15</b>

Important Note: Please be advised that the ASHRAE committee S5PC 52.2, in March 2016, has published "addendum e" relative to the 52.2-2012 test protocol. This addendum restricts the use of the acronym "MERV" as only applicable to a test report that has been completed using the "entire procedure prescribed by the standard". This report is a modified version of the procedure and therefore, subject to that ruling. In the best interest of our customers, Blue Heaven Technologies has elected to delay this action until further assessment can be made at committee level. Where applicable, the qualified use of the term "MERV" will continue to be part of our reported data.



<b>Media Photo</b>	
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<b>Requestor Information</b>	Test Requestor	Cagri Tekmen	Phone:	90-535-107-3730
	Company Name	Abalioğlu Teknoloji	Email:	<a href="mailto:cagri.tekmen@abalioğlu.com.tr">cagri.tekmen@abalioğlu.com.tr</a>
	Company Address	Not Provided	Date Requested	8/26/2016

<b>Test Operator Information</b>	Test Performed by:	Glen Toloczko	Completion Date	8/30/2016
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TEST NO. 16-1575

# Test Report - Vertical Test Duct

Resistance Testing

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## Filter Information

Manufacturer HIFYBER  
 Part Number HF-B135-FR-15  
 Nominal Face Dimensions 16" X 16"  
 Media Type Cellulose Flat Sheet Media

## Test Conditions

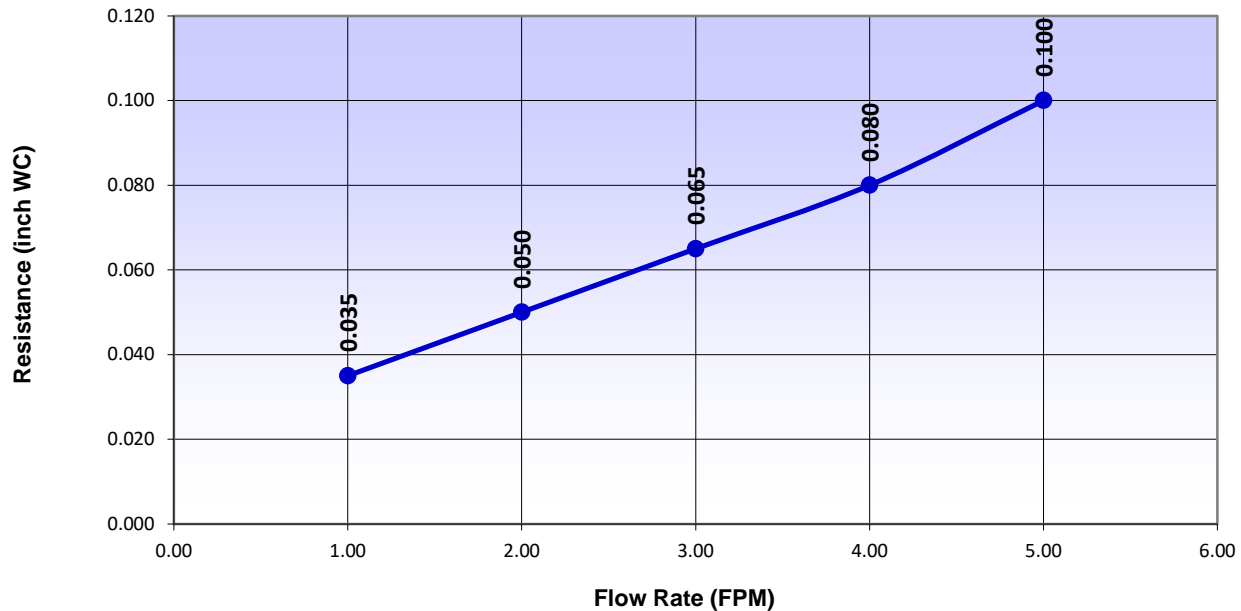
Test Air Flow Rate (FPM) 4  
 Test Air Temp (degrees F.) 75.6  
 Relative Humidity (%) 56.5  
 Barometric Pressure (In. Hg.) 29.44

## Test Results

**Resistance Data (" H<sub>2</sub>O)**

FPM	1.0	2.0	3.0	4.0	5.0
Resistance	0.035	0.050	0.065	0.080	0.100

Resistance (in WG)



## Remarks

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## Requester Information

Test Requestor Cagri Tekmen Phone: 90-535-107-3730  
 Company Name Abalioglu Teknoloji Email: cagri.tekmen@abalioglu.com.tr  
 Company Address Not Provided Date Requested 8/26/16

## Test Operator Information

Test Performed by: Glen Toloczko Completion Date 8/30/16