



2820 S. English Station Road - Louisville, KY 40299

TEST NO. 18-607-1

Test Report - Vertical Test Duct

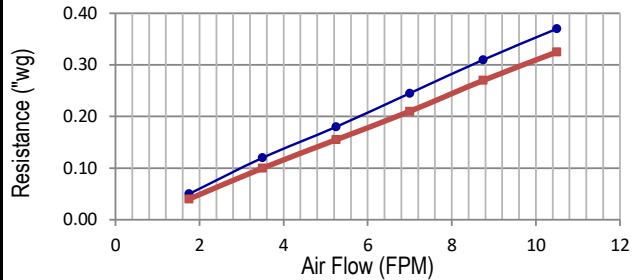
EN779:2012 Flat Sheet Media Efficiency Pre/Post IPA Discharged Test

Filter Description

Manufacturer	JP Airtech	
Filter Model		
Part Number	JX260PET	
Test Area	0.528 ft ²	0.0490512 m ²
Media Type	Flat Sheet	
Media Color	White	
Sample Procurement		

Air Flow Versus Resistance

Velocity (%)	FPM / cm/s	Pre IPA		Post IPA Discharge	
		"WG	Pa	"WG	Pa
25	1.8 / 0.9	0.05	12.4	0.04	10.0
50	3.5 / 1.8	0.12	29.9	0.10	24.9
75	5.3 / 2.7	0.18	44.8	0.16	38.6
100	7.0 / 3.6	0.25	61.0	0.21	52.3
125	8.8 / 4.4	0.31	77.1	0.27	67.2
150	10.5 / 5.3	0.37	92.1	0.33	80.9



Test Conditions

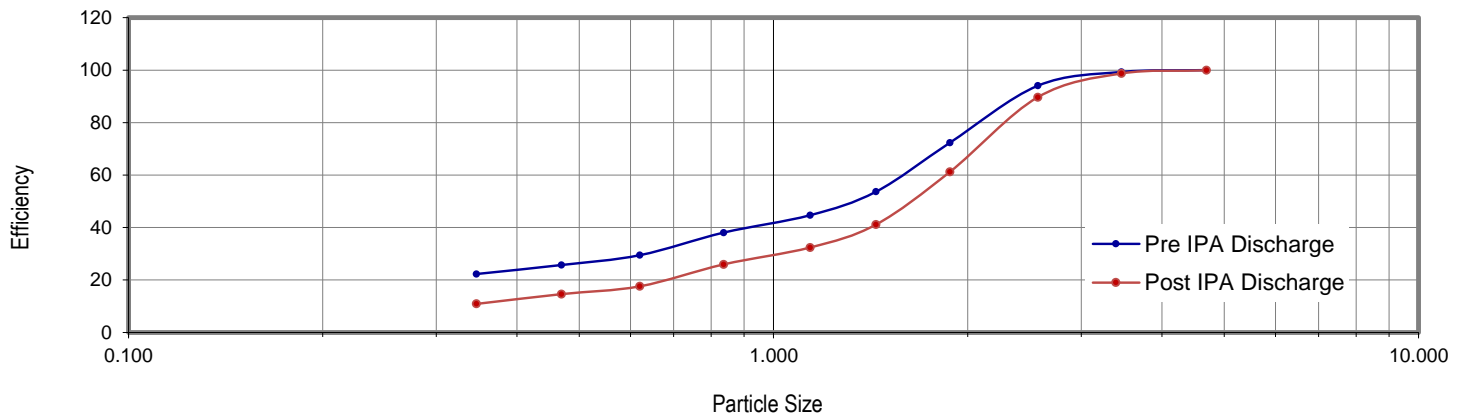
Test Air Flow Rate (FPM / cm/s)	7.0 FPM	3.6 cm/s
Challenge Aerosol	Aerosolized DEHS	
Counter Information	TSI 3330	
Test Temperature (°F / °C)	66 Deg F	18.9 Deg C
Relative Humidity (%)	24	
Barometric Pressure (\" Hg / Pa)	29.66 in. Hg	100.44 kPa

Test Results

Initial Pressure Drop (\"WG / Pa)	0.245 \"WG	61 Pa
Initial Efficiency at 0.4 μm (%)	Untreated: 23.8 %	Discharged: 12.5 %
Filter Class		

Particle Size (μm)	Geometric Mean (μm)	Pre Discharge Efficiency (%)		Post Discharge Efficiency (%)	
		Test 1	Average	Test 1	Average
0.30 - 0.40	0.346	22.30%	22.30%	10.91%	10.91%
0.40 - 0.55	0.469	25.73%	25.73%	14.63%	14.63%
0.55 - 0.70	0.620	29.47%	29.47%	17.60%	17.60%
0.70 - 1.00	0.837	38.07%	38.07%	25.96%	25.96%
1.00 - 1.30	1.140	44.72%	44.72%	32.42%	32.42%
1.30 - 1.60	1.442	53.69%	53.69%	41.17%	41.17%
1.60 - 2.20	1.876	72.31%	72.31%	61.19%	61.19%
1.60 - 3.00	2.569	94.04%	94.04%	89.68%	89.68%
3.00 - 4.00	3.464	99.30%	99.30%	98.72%	98.72%
4.00 - 5.50	4.690	100.00%	100.00%	99.90%	99.90%

Efficiency vs. Particle Size



Requestor Information

Test Requestor: Jorgen Poulsen
 Company Name: JP Airtech
 Company Address: Skifervej2-4990 Sakskobing-Denmark

Phone: +45 5495 0025
 Email: jp@jpairtech.com
 Date Requested:

Test Operator Information

Test Performed by: Evan Sparks

Completion Date: 12/6/2018