



2820 S. English Station Road - Louisville, KY 40299

TEST NO. 17-629-3r1

Test Report - Vertical Test Duct

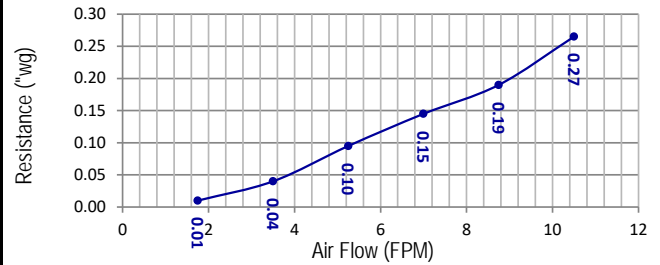
EN779:2012 Flat Sheet Media Efficiency Pre/Post IPA Discharged Test

Filter Description

Manufacturer	JP AirTech	
Filter Model	F9 Flat Sheet Media	
Part Number	JX124-B-ECOWEB	
Test Area	1.0 ft ²	0.0929 m ²
Media Type	130 GSM 100% BICO Polyester + ECOWEB	
Media Color	White	
Sample Procurement	JP AirTech	

Air Flow Versus Resistance

Velocity (%)	Velocity FPM / cm/s	Pre IPA		Post IPA Discharge	
		"WG	Pa	"WG	Pa
25	1.8 / 0.9	0.01	2.5	0.01	2.5
50	3.5 / 1.8	0.04	10.0	0.03	6.2
75	5.3 / 2.7	0.10	23.6	0.08	19.9
100	7.0 / 3.6	0.15	36.1	0.12	29.9
125	8.8 / 4.4	0.19	47.3	0.16	38.6
150	10.5 / 5.3	0.27	65.9	0.22	54.7



Test Conditions

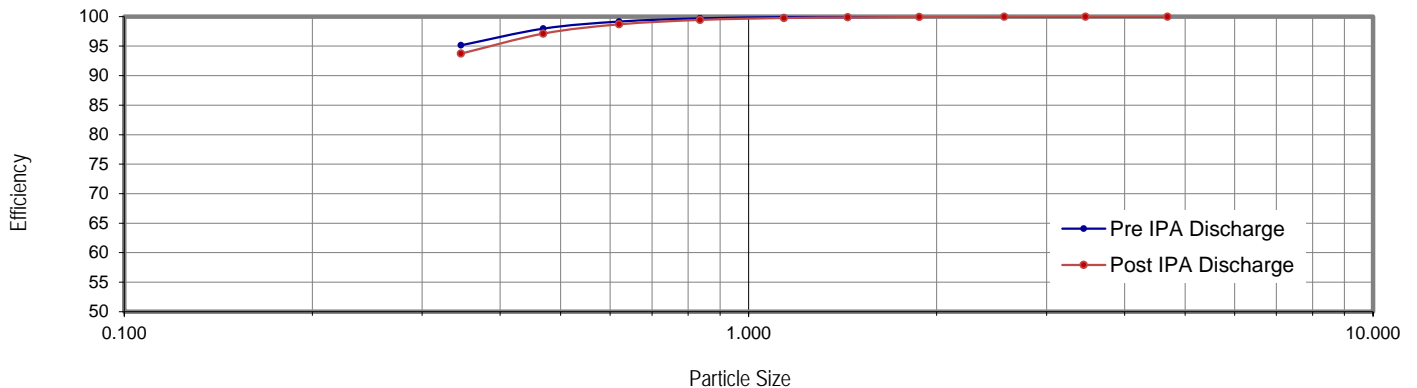
Test Air Flow Rate (FPM / cm/s)	7.0 FPM	3.6 cm/s
Challenge Aerosol	Aerosolized DEHS	
Counter Information	TSI 3330	
Test Temperature (°F / °C)	71.2 Deg F	21.8 Deg C
Relative Humidity (%)	27.8	
Barometric Pressure (\" Hg / Pa)	29.21 in. Hg	98.92 kPa

Test Results

Initial Pressure Drop (\"WG / Pa)	0 \"WG	0 Pa
Initial Efficiency at 0.4 μm (%)	Untreated: 96.4 %	Discharged: 95.2 %
Filter Class	F9	

Particle Size (μm)	Geometric Mean (μm)	Pre Discharge Efficiency (%)		Post Discharge Efficiency (%)	
		Test 1	Average	Test 1	Average
0.30 - 0.40	0.346	95.15%	95.15%	93.74%	93.74%
0.40 - 0.55	0.469	97.97%	97.97%	97.13%	97.13%
0.55 - 0.70	0.620	99.17%	99.17%	98.69%	98.69%
0.70 - 1.00	0.837	99.71%	99.71%	99.45%	99.45%
1.00 - 1.30	1.140	99.92%	99.92%	99.77%	99.77%
1.30 - 1.60	1.442	99.93%	99.93%	99.87%	99.87%
1.60 - 2.20	1.876	99.97%	99.97%	99.93%	99.93%
1.60 - 3.00	2.569	99.99%	99.99%	99.98%	99.98%
3.00 - 4.00	3.464	100.00%	100.00%	100.00%	100.00%
4.00 - 5.50	4.690	100.00%	100.00%	100.00%	100.00%

Efficiency vs. Particle Size



Requestor Information	Test Requestor	Jøgen Polsen	Phone:	+45 5495 0025
	Company Name	JP AirTech	Email:	jp@jpairtech.com
	Company Address	Skifervej 2, 4990 Saksøbing	Date Requested	10/17/2017
Test Operator Information	Test Performed by:	Glen D. Toloczko CAFS	Completion Date	10/31/2017