



2820 S. English Station Road - Louisville, KY 40299

TEST NO. 17-629-4r1

Test Report - Vertical Test Duct

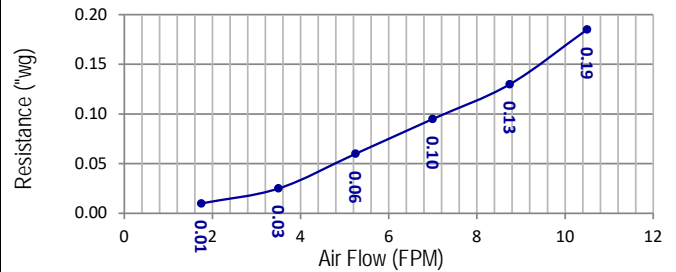
EN779:2012 Flat Sheet Media Efficiency Pre/Post IPA Discharged Test

Filter Description

Manufacturer	JP AirTech	
Filter Model	F9 Flat Sheet Media	
Part Number	JX124-B-C-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 (%)	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	0.03	6.2	0.03	7.5
75	5.3 / 2.7	0.06	14.9	0.05	12.4
100	7.0 / 3.6	0.10	23.6	0.10	24.9
125	8.8 / 4.4	0.13	32.3	0.16	39.8
150	10.5 / 5.3	0.19	46.0	0.23	57.2



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

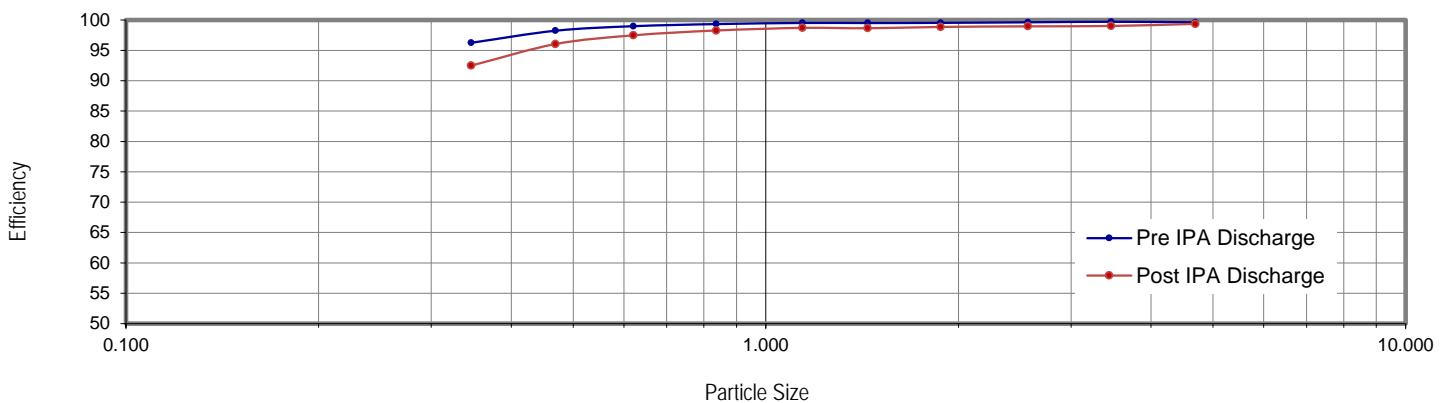
Initial Pressure Drop (\"WG / Pa)	0 \"WG	0 Pa
Initial Efficiency at 0.4 μm (%)	Untreated: 97.1 %	Discharged: 94.0 %
Filter Class	F9	

Pre Discharge Efficiency (%)

Post Discharge Efficiency (%)

Particle Size (μm)	Geometric Mean (μm)	Test 1	Average	Test 1	Average
0.30 - 0.40	0.346	96.25%	96.25%	92.49%	92.49%
0.40 - 0.55	0.469	98.23%	98.23%	96.04%	96.04%
0.55 - 0.70	0.620	98.98%	98.98%	97.47%	97.47%
0.70 - 1.00	0.837	99.33%	99.33%	98.27%	98.27%
1.00 - 1.30	1.140	99.51%	99.51%	98.70%	98.70%
1.30 - 1.60	1.442	99.50%	99.50%	98.64%	98.64%
1.60 - 2.20	1.876	99.53%	99.53%	98.86%	98.86%
1.60 - 3.00	2.569	99.62%	99.62%	98.96%	98.96%
3.00 - 4.00	3.464	99.71%	99.71%	99.02%	99.02%
4.00 - 5.50	4.690	99.62%	99.62%	99.36%	99.36%

Efficiency vs. Particle Size



Requestor Information	Test Requestor	Jøgen Polsen	Phone:	+45 5495 0025
	Company Name	JP AirTech	Email:	jp@jpairtech.com
	Company Address	Skilervej 2, 4990 Sakskøbing	Date Requested	10/17/2017
Test Operator Information	Test Performed by:	Glen D. Toloczko CAFS	Completion Date	10/30/2017