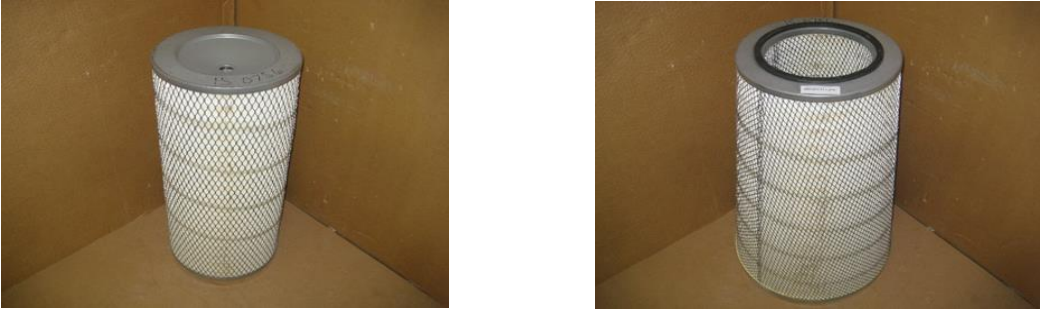
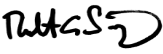
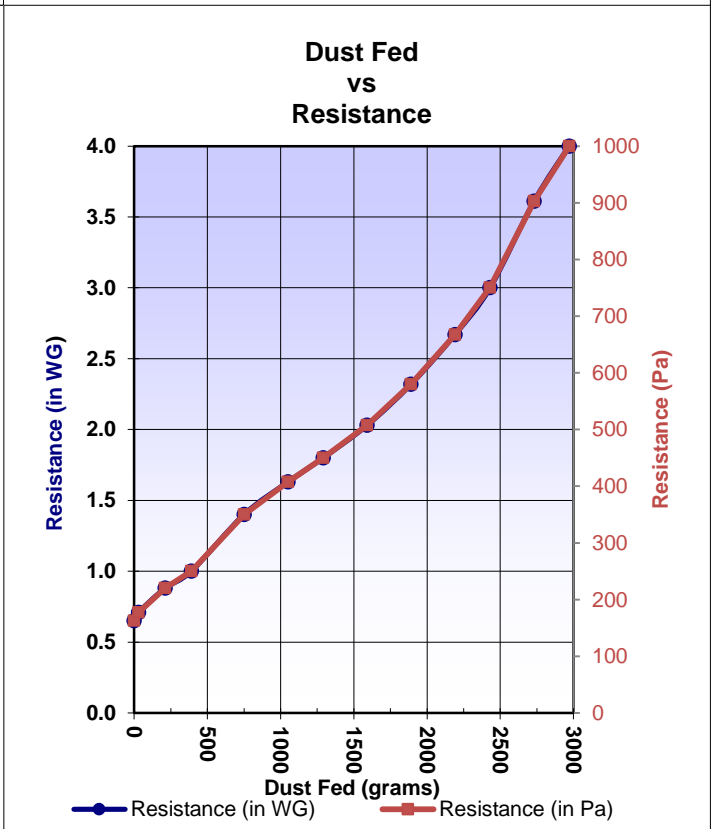
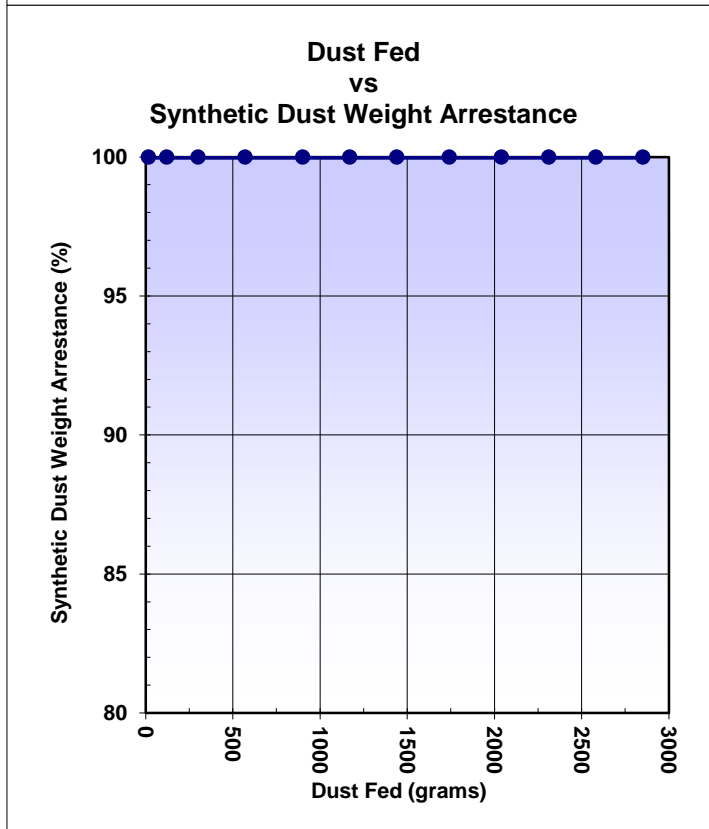
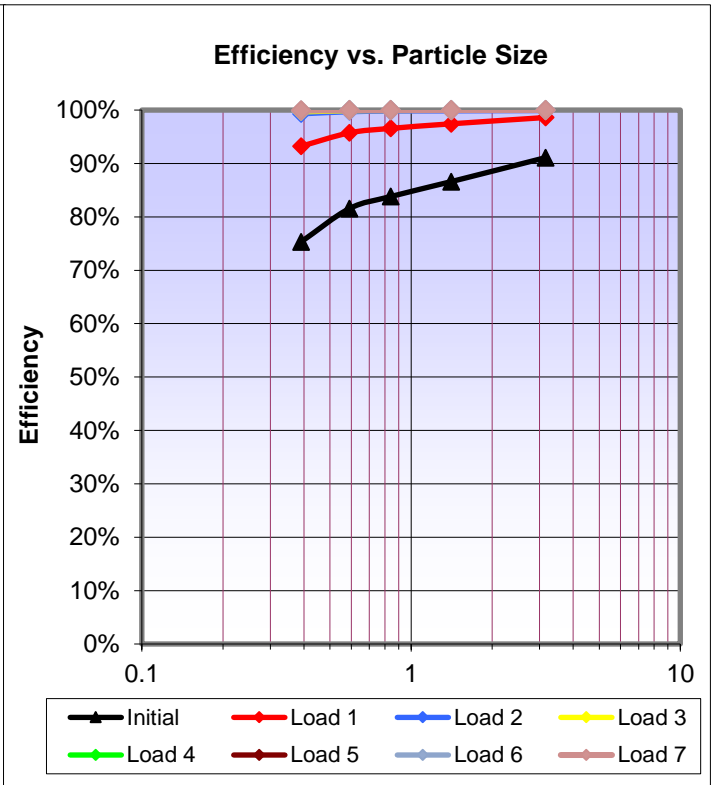
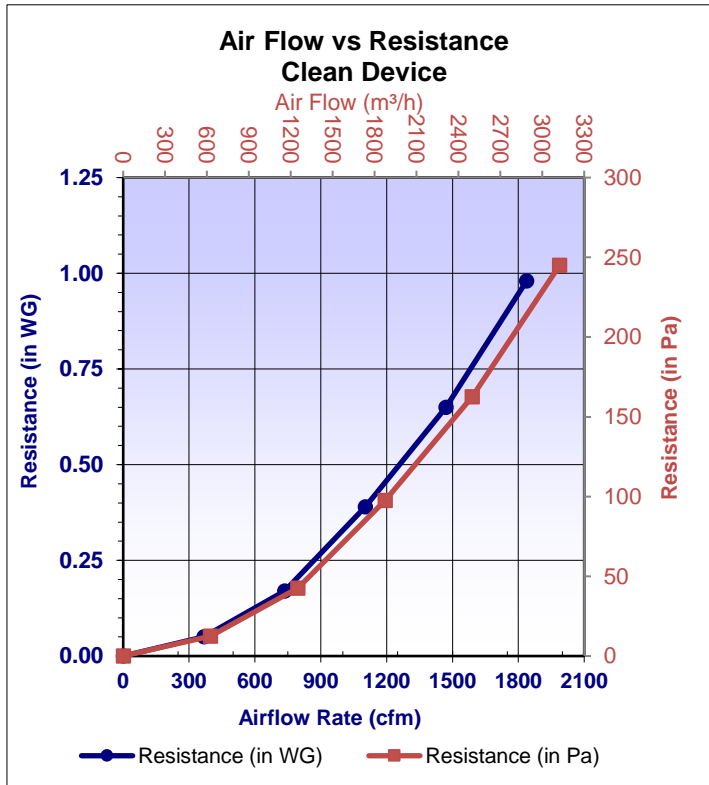
 2820 S. English Station Road - Louisville, KY 40299		DATE: 10-Jun-15		TEST NO. 15-0756E	
		EN 779:2012 Test Report			
Filter Description	Manufacturer	JP Air Tech			
	Filter Model	JX135NANO			
	Part Number	N A			
	Filter Type	Conical / Cylindrical Pair			
	Nominal Face Dimensions (in)	17.5"x12.75"x52"			
	Nominal Face Dimensions (mm)	445 mm x 324 mm x 1321 mm			
	Est. Gross Media Area (ft ² / m ²)	Standard			
	Media Type	Nanofiber Coated Cellulose Media			
Adhesive/Amount	N/A				
Test Conditions	Dust Type	ASHRAE			
	Aerosol	DEHS			
	Test Air Flow Rate (cfm / m ² /h)	1470 / 2499			
	Test Air Temp (*F / *C)	71 / 21.7			
	Relative Humidity (%)	58			
	Barometric Pressure (In. Hg.)	29.5			
Test Results	Initial Resistance ("w.g. / Pa)	0.65 / 163			
	Final Resistance ("w.g. / Pa)	1.8 / 450			
	Initial Efficiency at .4 microns (%)	75%			
	Average Efficiency at .4 microns (%)	99%			
	Initial Arrestance (%)	>99			
	Untreated / Discharged Efficiency of Media (%)	80 / 80			
	Average Arrestance (%)	>99			
	Dust Holding Capacity (grams)	1290			
Classification (final dp in pascals)	F9 @ 450 Pa				
					
REMARKS		<u>Avg. Eff. @ .4µm</u>	<u>Avg. Arrestance</u>	<u>DHC</u>	
	750 Pa	99.9% (F9)	>99%	2430 gms.	
	1000 Pa	99.9% (F9)	>99%	2970 gms.	
Requestor Information	Test Requestor	Joergen Poulsen		Phone Number	N A
	Company Name	JP Air Tech		Fax Number	N A
	Company Address	Denmark		Date Requested	1-Jun-15
Test Performed by:	JPS	Approved By:			



Test No. 15-0756E
 Date: 10-Jun-15

Data - Initial Resistance

Airflow (CFM)	Resistance (in WG)	Airflow (m³/h)	Resistance (in Pa)
0	0.00	0	0
368	0.05	625	13
735	0.17	1250	43
1103	0.39	1874	98
1470	0.65	2499	163
1838	0.98	3124	245

Data - Dust Fed vs. Resistance

Dust Fed (gms)	Resistance (in WG)	Resistance (in Pa)
0	0.65	163
30	0.71	178
210	0.88	220
390	1.00	250
750	1.40	350
1050	1.63	408
1290	1.80	450
1590	2.03	508
1890	2.32	580
2190	2.67	668
2430	3.00	750
2730	3.61	903
2970	4.00	1000

Data - Dust Fed vs. Arrestance

Dust Fed (gms)	Arres %
0	
15	100.0
120	100.0
300	100.0
570	100.0
900	100.0
1170	100.0
1440	100.0
1740	100.0
2040	100.0
2310	100.0
2580	100.0
2850	100.0

Data - Particle Removal Efficiency

Particle Size Range (um)	Geometric Mean Diam (um)	Particle Removal Efficiency (%)								
		Initial	Load 1	Load 2	Load 3	Load 4	Load 5	Load 6	Load 7	
0.30 - 0.50	0.39	75.3%	93.2%	99.3%	99.7%	99.9%	100.0%	99.9%	99.9%	
0.50 - 0.70	0.59	81.5%	95.7%	99.7%	99.9%	100.0%	100.0%	100.0%	100.0%	
0.70 - 1.00	0.84	83.8%	96.6%	99.8%	99.9%	100.0%	100.0%	100.0%	100.0%	
1.00 - 2.00	1.41	86.6%	97.4%	99.9%	100.0%	100.0%	100.0%	100.0%	100.0%	
2.00 - 5.00	3.16	91.1%	98.6%	99.9%	100.0%	100.0%	100.0%	100.0%	100.0%	
Resistance after Dust Load (in WG) ----->		0.71	0.88	1.00	1.40	1.80	3.00	4.00		
Resistance after Dust Load (in Pa) ----->		178	220	250	350	450	750	1000		
Dust Load (gms) ----->		30	210	390	750	1290	2430	2970		
Average Efficiency to Final dp			96.8%	98.2%	99.0%	99.4%	99.5%			



2820 S. English Station Road - Louisville, KY 40299

DATE: 10-Jun-15

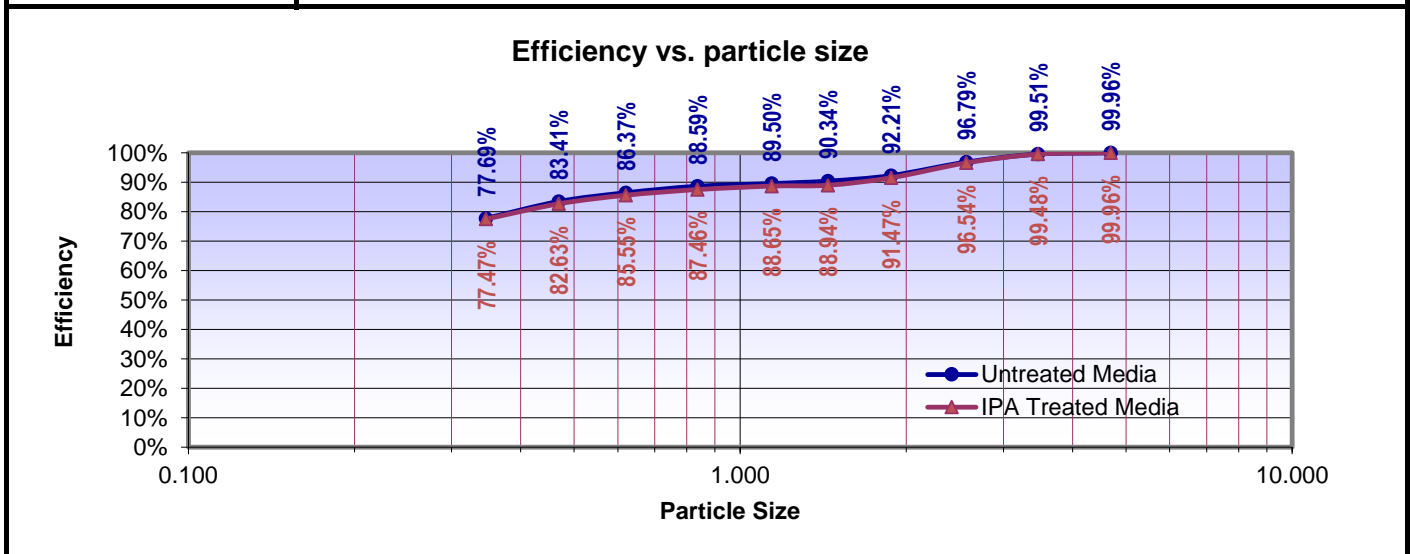
TEST NO. 15-0756E

EN 779:2012 Initial Efficiency

Flat Sheet Initial Efficiency Test

page 4 of 5

Filter Description	Manufacturer	JP Air Tech	
	Filter Model	JX135NANO	
	Part Number	N A	
	Nominal Face Dimensions (in)	17.5"x12.75"x52"	
	Nominal Face Dimensions (mm)	445 mm x 324 mm x 1321 mm	
	Media Type	Nanofiber Coated Cellulose Media	
Test Conditions	Test Air Flow Rate (FPM/m/h)	6 / 1.8	
	Test Air Temp (°F/°C)	70 / 21.1	
	Relative Humidity (%)	40	
	Barometric Pressure (In. Hg.)	29.5	
Test Results		Untreated	IPA Treated
	0.35 Micron Range Efficiency	77.69%	77.47%
	0.45 Micron Range Efficiency	83.41%	82.63%
	0.55 Micron Range Efficiency	86.37%	85.55%
	0.69 Micron Range Efficiency	88.59%	87.46%
	0.89 Micron Range Efficiency	89.50%	88.65%
	1.22 Micron Range Efficiency	90.34%	88.94%
	1.73 Micron Range Efficiency	92.21%	91.47%
	2.45 Micron Range Efficiency	96.79%	96.54%
	3.46 Micron Range Efficiency	99.51%	99.48%
4.69 Micron Range Efficiency	99.96%	99.96%	
Average Efficiency at 0.4 micrometers		80.19%	79.73%



NOTES: Filter samples discharged via IPA vapor method

Requestor Information	Test Requestor	Joergen Poulsen	Phone Number	N A
	Company Name	JP Air Tech	Email	NA
	Company Address	Denmark	Date Requested	6/1/2015

Test Performed by: GT Approved By:



DATE: 10-Jun-15

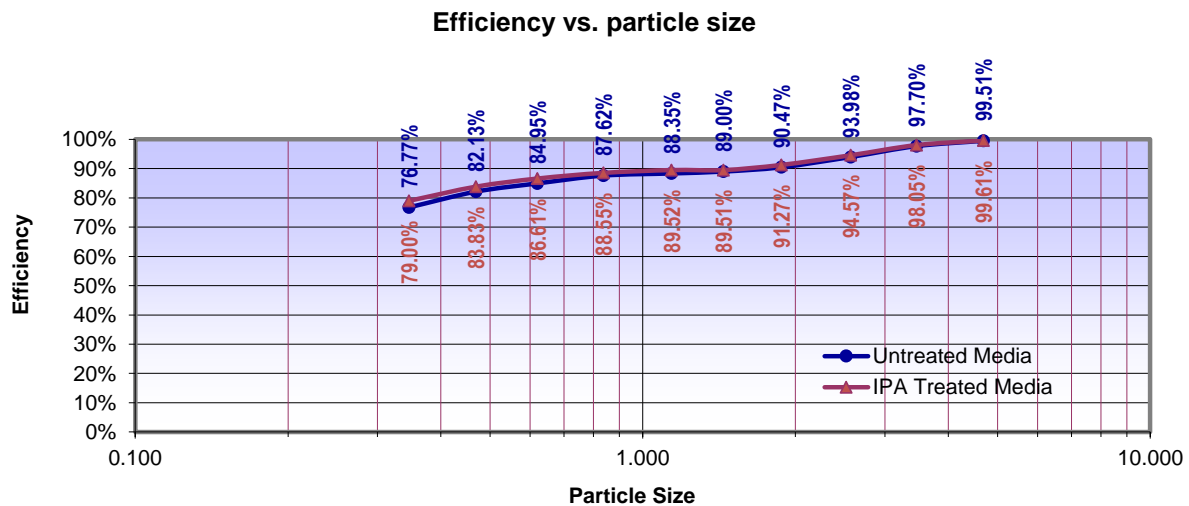
TEST NO. 15-0756E

EN 779:2012 Initial Efficiency

Flat Sheet Initial Efficiency Test

page 5 of 5

Filter Description	Manufacturer	JP Air Tech	
	Filter Model	JX135NANO	
	Part Number	N A	
	Nominal Face Dimensions (in)	17.5"x12.75"x52"	
	Nominal Face Dimensions (mm)	445 mm x 324 mm x 1321 mm	
	Media Type	Nanofiber Coated Cellulose Media	
Test Conditions	Test Air Flow Rate (FPM)	6 / 1.8	
	Test Air Temp (degrees F.)	70 / 21.1	
	Relative Humidity (%)	40	
	Barometric Pressure (In. Hg.)	29.5	
Test Results		Untreated	IPA Treated
	0.35 Micron Range Efficiency	76.77%	79.00%
	0.45 Micron Range Efficiency	82.13%	83.83%
	0.55 Micron Range Efficiency	84.95%	86.61%
	0.69 Micron Range Efficiency	87.62%	88.55%
	0.89 Micron Range Efficiency	88.35%	89.52%
	1.22 Micron Range Efficiency	89.00%	89.51%
	1.73 Micron Range Efficiency	90.47%	91.27%
	2.45 Micron Range Efficiency	93.98%	94.57%
	3.46 Micron Range Efficiency	97.70%	98.05%
	4.69 Micron Range Efficiency	99.51%	99.61%
Average Efficiency at 0.4 micrometers		79.11%	81.11%



NOTES: _____

Requestor Information	Test Requestor	Joergen Poulsen	Phone Number	NA
	Company Name	JP Air Tech	Email	NA
	Company Address	Denmark	Date Requested	6/1/2015

Test Performed by: GT Approved By: