



2820 S. English Station Road - Louisville, KY 40299

TEST NO. 16-1880A

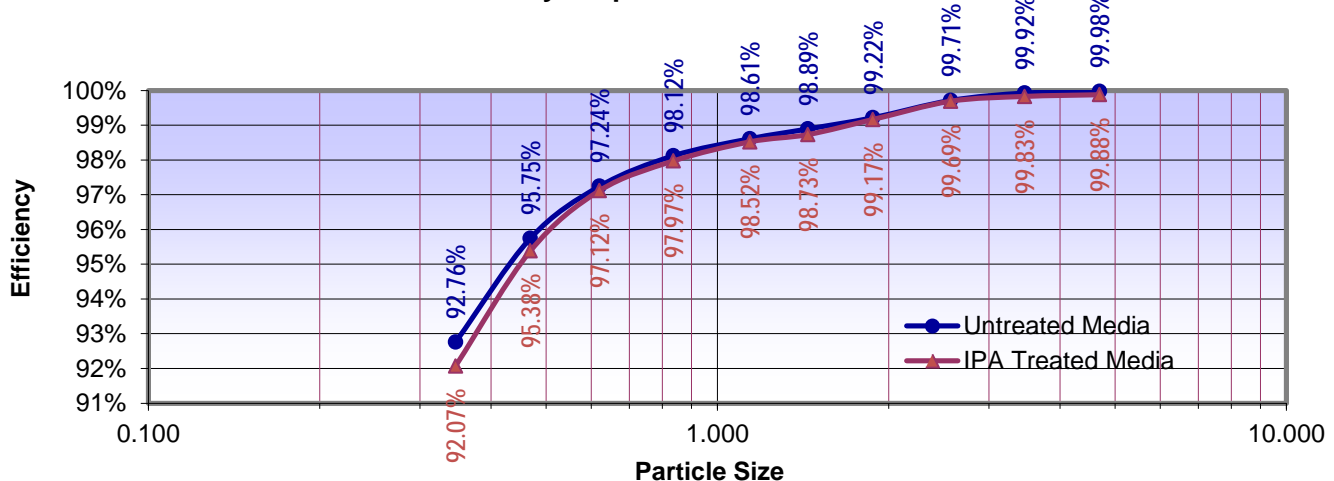
EN 779:2012 Initial Efficiency

Flat Sheet Initial Efficiency Test

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| | | | |
|--|-------------------------------|---------------------------------|--------------------|
| Filter | Manufacturer | JP Air Tech | |
| | Part Number | JX130-B-NANO-9 | |
| | Nominal Face Dimensions | 8" X 11" | |
| | Media Type | 100% BICO Polyester+Nano Fibers | |
| Test Conditions | Test Air Flow Rate (FPM) | 7 | |
| | Challenge Aerosol | DEHS | |
| | Test Air Temp (degrees F.) | 71.1 | |
| | Relative Humidity (%) | 38.4 | |
| | Barometric Pressure (In. Hg.) | 29.55 | |
| Test Results | | Untreated | IPA Treated |
| | 0.35 Micron Range Efficiency | 92.76% | 92.07% |
| | 0.45 Micron Range Efficiency | 95.75% | 95.38% |
| | 0.55 Micron Range Efficiency | 97.24% | 97.12% |
| | 0.69 Micron Range Efficiency | 98.12% | 97.97% |
| | 0.89 Micron Range Efficiency | 98.61% | 98.52% |
| | 1.22 Micron Range Efficiency | 98.89% | 98.73% |
| | 1.73 Micron Range Efficiency | 99.22% | 99.17% |
| | 2.45 Micron Range Efficiency | 99.71% | 99.69% |
| | 3.46 Micron Range Efficiency | 99.92% | 99.83% |
| 4.69 Micron Range Efficiency | 99.98% | 99.88% | |
| Average Efficiency at 0.4 micrometers | | 94.06% | 93.52% |

Efficiency vs. particle size 100% IPA Treated



NOTES: Exposed the "Treated" samples with Isopropyl Alcohol for four hours. Dried for an hour prior to testing.

| | | | | |
|---------------------------|--------------------|---------------------------------------|-----------------|------------------|
| Requestor Information | Test Requestor | Jørgen Poulsen | Phone Number | +45 5495 0025 |
| | Company Name | JP Air Tech | Email | jp@jpairtech.com |
| | Company Address | Narvikvej 7, DK-4900 Nakskov, Denmark | Date Requested | 11/8/2016 |
| Test Operator Information | Test Performed by: | Glen Toloczko CAFS | Completion Date | 12/13/2016 |



2820 S. English Station Road - Louisville, KY 40299

TEST NO. 16-1880A

EN 779-2012 Initial Resistance

Flat Sheet Initial Resistance Test

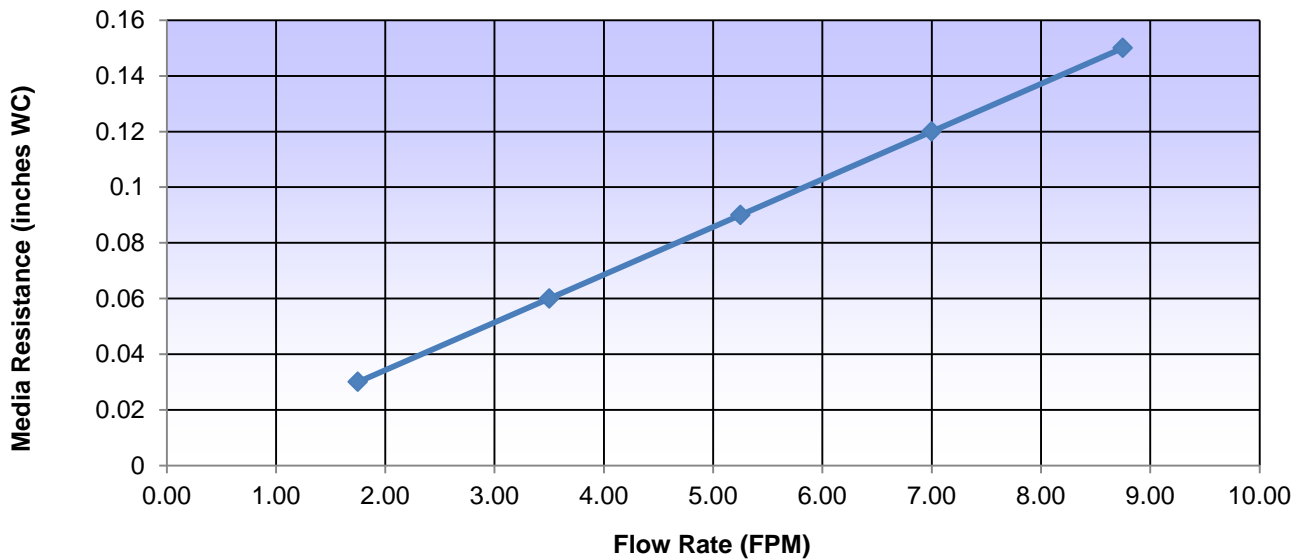
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| | | |
|--------------------|-------------------------|---------------------------------|
| Filter Description | Manufacturer | JP Air Tech |
| | Filter Model | JX130-B-NANO-9 |
| | Nominal Face Dimensions | 8" X 11" |
| | Media Type | 100% BICO Polyester+Nano Fibers |

| | | |
|-----------------|-------------------------------|-------|
| Test Conditions | Test Air Flow Rate (FPM) | 7 |
| | Test Air Temp (degrees F.) | 71.1 |
| | Relative Humidity (%) | 38.4 |
| | Barometric Pressure (In. Hg.) | 29.55 |

| | | | | | | |
|-----------------------|--------------------------------------|-------|-------|-------|-------|-------|
| Media Resistance Data | Resistance Data (" H ₂ O) | | | | | |
| | FPM | 1.75 | 3.50 | 5.25 | 7.00 | 8.75 |
| | Resistance Pre IPA | 0.030 | 0.060 | 0.090 | 0.120 | 0.150 |

Media Resistance vs. FLOW Rate



| | | | |
|------------------|--|--|--|
| Media Photograph | | | |
|------------------|--|--|--|

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|-----------------------|-----------------|---------------------------------------|----------------|--|
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| | Company Name | JP Air Tech | Email | jp@jpairtech.com |
| | Company Address | Narvikvej 7, DK-4900 Nakskov, Denmark | Date Requested | 11/8/2016 |

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|---------------------------|--------------------|--------------------|-----------------|------------|
| Test Operator Information | Test Performed by: | Glen Toloczko CAFS | Completion Date | 12/13/2016 |
|---------------------------|--------------------|--------------------|-----------------|------------|