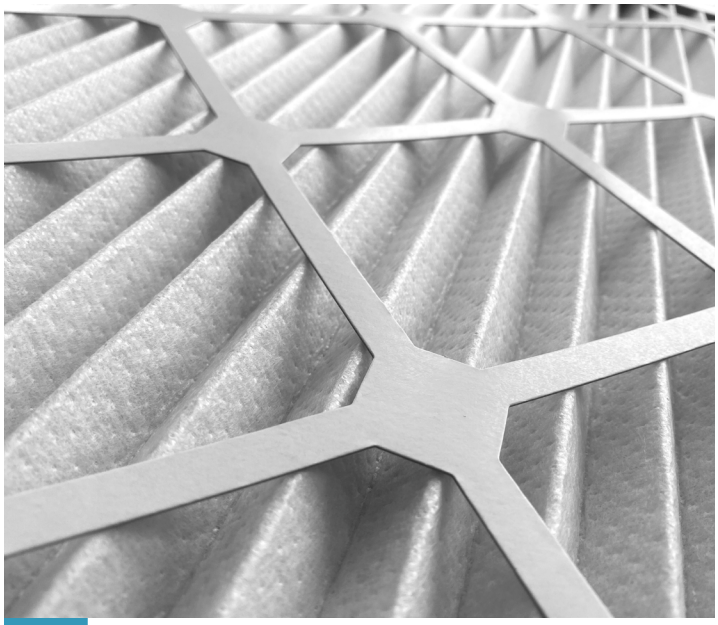
BRADEN FILTRATION

Experience. Technology. Value.

nHIBIT

MERV 13A Nanofiber Media

A Next-Generation Solution for ASHRAE 52.2 APP. J & ASHRAE 241



FEATURES

- *High Efficiency without reliance on electrostatic charge*
- *Low Pressure Drop for energy-efficient performance*
- *Stable Efficiency throughout the filters service life*
- *Fully compliant with ASHRAE 241, and earns LEED points*
- *Self-Supporting nHIBIT filters are incinerable*

What is ASHRAE Standard 241?

ASHRAE 241-2023: "Control of Infectious Aerosols" is a new standard from ASHRAE that establishes minimum requirements for reducing the risk of airborne disease transmission in buildings. It introduces requirements for:

- Clean Airflow Rates (EFRs)
- Air distribution and cleaning systems
- Certified filtration systems, including MERV 13A non-electrostatic filters

Why nHIBIT Nanofiber Technology?

Braden Filtration, LLC manufactures nHIBIT non-electrostatic HVAC filters engineered specifically to meet the demands of ASHRAE Standard 241. Using advanced nanofiber media, these filters offer exceptional, long-term particle capture without relying on electrostatic charge.

Benefits of nHIBIT Nanofiber Media:

- Fine fiber layers provide superior submicron particle capture
- No reliance on electrostatic charge — true mechanical filtration
- Exceeds MERV 13A standards as defined by ASHRAE 52.2 Appendix J
- Proven performance in real-world dust-loading and pressure-drop curves

Why Not Electrostatic?

	Electrostatic Filters	Non-Electrostatic Filters
Initial Efficiency	Often high due to charge	Consistently high
Longevity	Efficiency drops over time	Maintains performance
Compliance	Not accepted under 241	Fully Compliant
Performance in Real Use	Variable	Stable

PROUDLY MADE IN USA

903 W. Blue Starr Drive, Claremore, OK 74017 · **(405) 972-3030** · Sales@BradenFiltration.com

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PRODUCT APPLICATION AREAS

Wire-Backed MERV 13A Pleated Filters

- **Commercial:** Helps earn LEED points and complies with ASHRAE 241
- **Residential:** Ideal for homes with pets, allergy or asthma concerns, and areas prone to smoke or aerosols
- **Specialized Commercial Environments:** Schools, hospitals, government sites, and manufacturing facilities dealing with airborne pathogens, smoke, or aerosols

Self-Supporting MERV 13A Pleated or Mini-Pleated Filters

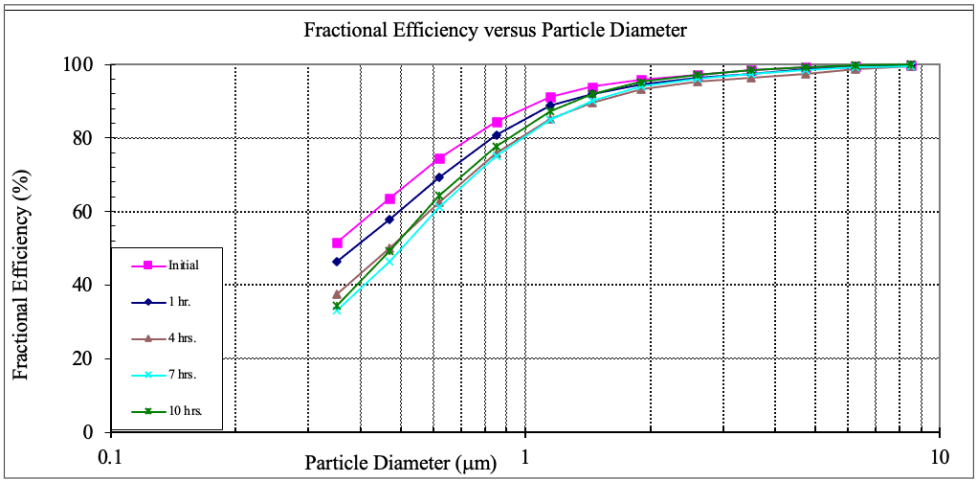
- **Commercial & Critical Applications:** Designed for settings where incineration may be required, such as hospitals, laboratories, and government buildings, ensuring waste stream reduction and contamination control

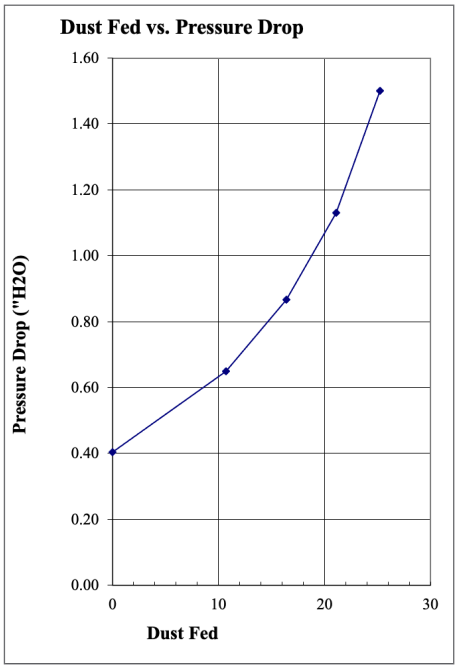
MERV 13A
Efficiency

Size Range (micron)	Initial	Minimum
0.3-0.4	51.5	33.1
0.4-0.55	63.6	46.3
0.55-0.7	74.4	61.2
0.7-1.0	84.5	75.0
1.0-1.3	91.1	84.9
1.3-1.6	93.9	89.7
1.6-2.2	95.9	93.2
2.2-3.0	97.2	95.3
3.0-4.0	98.4	96.4
4.0-5.5	99.2	97.5
5.5-7.0	99.5	98.7
7.0-10.0	99.8	99.4

MERV 13A
Initial & Final Efficiency

	Initial	End
E1	**68.5**	**53.9**
E2	94.5	90.8
E3	99.2	98.0





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