

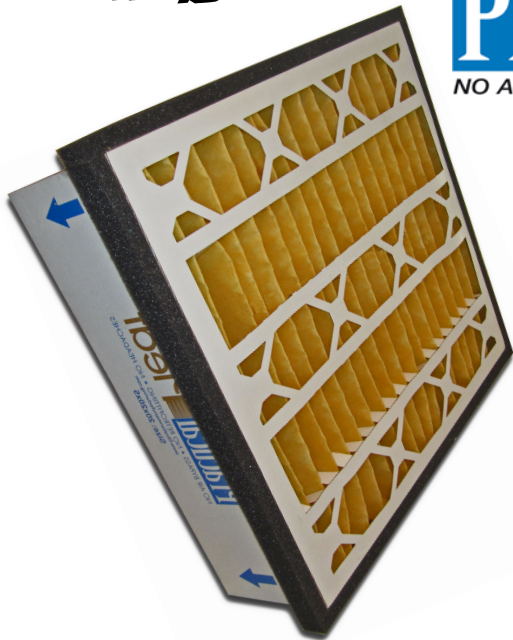


THIS JUST IN...

FINALLY A 5" MERV 11 HIGH PERFORMANCE FILTER WITH SELF-SEALING GASKET DESIGNED TO FIT INTO A 1" RETURN AIR GRILLE

Practical Pleat

NO AIR BYPASS • NO RETROFITTING • NO HEADACHES



EASILY INSTALLED

- Fits into one-inch return air grilles.
- No expensive retrofitting required.

NO FILTER BYPASS

- Improves Indoor Air Quality.
- Reduces cost of energy
- Preserves the integrity of the **MERV 11** rating.
- Reduces mold and mildew that can breed and grow in the ventilation system.
- Reduces maintenance.
- Extends the effective lifetime of the equipment.

REDUCES COST OF ENERGY

- Pressure drop of .093 reduces cost of energy up to 300% less than one-inch filters.

LONGER EFFECTIVE LIFETIME

- Up to 433% greater surface area than one-inch pleats result in **6X** longer effective lifetime.

REDUCES CONTAMINANTS

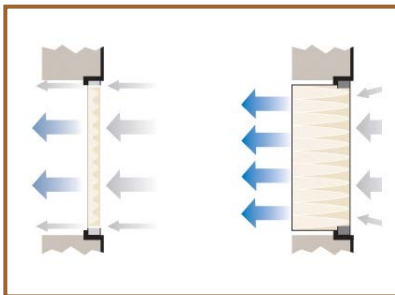
Gaps between unsealed filters and the filter frame can allow particles to bypass the filtering process. As these particles accumulate on the coils and other areas of the ventilation system, they can become nutrients for bacteria, mold, mildew and other biological contaminants.

Available in 14 standard sizes. Non-standard sizes also available.

- Drop shipped to your customer, upon request.

*Independent Laboratory Test – ASHRAE 52.2

ELIMINATES FILTER BYPASS!



*Minimum Efficiencies
0.3 to 1.0 micron

32%

Includes airborne pathogens:

- Smallpox virus
- Meningitis bacteria
- Tuberculosis bacteria
- Anthrax bacteria
- Bronchitis bacteria

*Minimum Efficiencies
1.0 to 3.0 microns

69%

Includes airborne pathogens:

- Bacillus anthracis
- Mycobacterium
- Fungi
- Mold spores
- Allergens

*Minimum Efficiencies
3.0 to 10.0 micron

87%

Includes airborne pathogens:

- Human skin flakes
- Bed bug feces
- Pollen
- Animal Dander
- Parts of dead insects

December 9, 2014

LMS# 3162

INITIAL 52.2 TEST REPORT

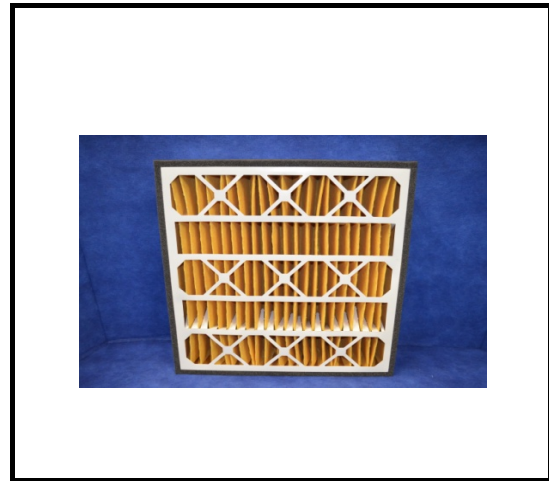
LMS Technologies, Inc.

6423 Cecilia Circle
Bloomington, MN 55439

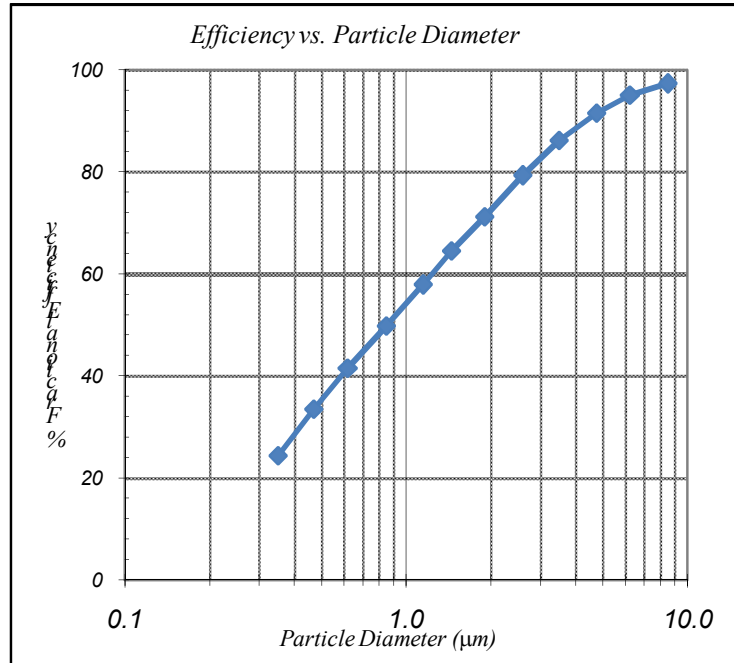
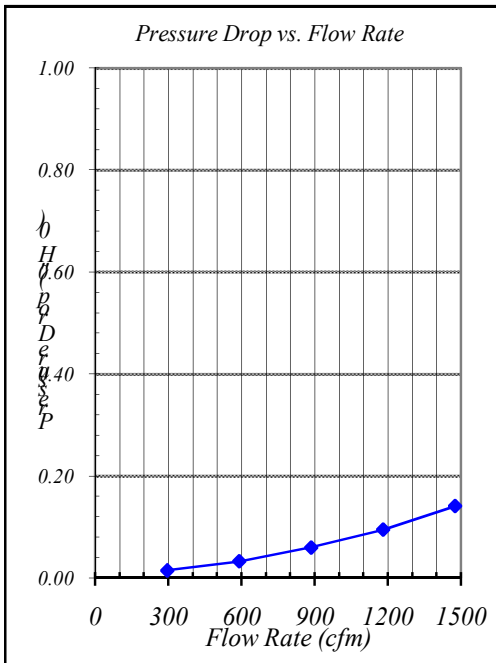
Tel.: (952) 918-9060
Fax: (952) 918-9061

Test Type :	Initial 52.2	Test Requested by:	Filtration Mfg. Inc.
Test Number:	T120914A	Media Manufacturer:	
Flow Rate/Velocity:	1180 cfm	Filter Manufacturer:	Filtration Mfg. Inc.
Test Aerosol:	KCl, Neutralized	Filter ID Number:	Practical Pleat
Filter size:	24" x 24" x 5"	Filter Description:	23 visible pleats PP1124245P

Flow Rate (cfm)	DP "H ₂ O	Size Range (μm)	Initial Fractional Efficiency(%)
295	0.015	0.3-0.4	24.4
590	0.033	0.4-0.55	33.5
885	0.060	0.55-0.7	41.5
1180	0.094	0.7-1.0	49.8
1475	0.141	1.0-1.3	57.9
		1.3-1.6	64.5
		1.6-2.2	71.2
		2.2-3.0	79.3
		3.0-4.0	86.2
		4.0-5.5	91.5
		5.5-7.0	95.1
		7.0-10.0	97.3



Data verified by LMS Calibration Filter* Patent Pending



TEST SUPERVISOR
Emile Tadros _____

ENGINEERING APPROVAL
K.C. KWOK, PH.D. _____