

FMI IS PROUD TO INTRODUCE THE

MERV 14

Practical Pleat®

NO AIR BYPASS • NO RETROFITTING • NO HEADACHES



***ASHRAE
Dust Weight Arrestance
99%**

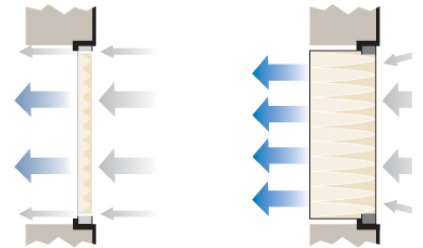
***Initial Resistance to Airflow
.16 in. w.g.**

***ASHRAE Dust
Holding Capacity
254 grams**

***Last 6x longer than
comparable one-inch filters**

***Reduces equipment
maintenance and energy cost**

***Preserves the integrity of the
MERV 14 rating**



**ELIMINATES
FILTER BYPASS!**

***Minimum Efficiencies
0.3 to 1.0 micron**

77%

Includes airborne pathogens:

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

***Minimum Efficiencies
1.0 to 3.0 microns**

92%

Includes airborne pathogens:

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

***Minimum Efficiencies
3.0 to 10.0 micron**

99%

Includes airborne pathogens:

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

*Independent Laboratory Test – ASHRAE 52.2

For more information call (800) 239-9495 or email us at customerservice@filtrationmanufacturing.com or visit our website at www.filtrationmanufacturing.com



AIR FILTER TESTING LABORATORIES, INC.

4632 Old LaGrange Road • Buckner, Kentucky 40010

Phone (502) 222-5720 • Fax (502) 222-9881

ASHRAE STANDARD 52.2-2007 REMOVAL EFFICIENCY BY PARTICLE SIZE (0.3 to 10.0 µm; KCI)

REPORT NO.
14015

TEST NO.
1

SHEET NO.
1

DEVICE TESTED

Test Requested By	FILTRATION MANUFACTURING, INC.
Manufacturer	FILTRATION MANUFACTURING, INC.
Test Sample Procurement	FURNISHED BY MANUFACTURER
Product Name	PRACTICAL PLEAT
Model No.	MERV 14 PLEATED
Dimensions	24" H X 24" W X 5" D (NOMINAL)

DEVICE DESCRIPTION

Generic Device Classification / Type	PLEATED PANEL	
Number Of Pleats / Pockets	21	no.
Number Of Banks	N/A	no.
Face Dimension (Nom. Height)	24	in.
Face Dimension (Nom. Width)	24	in.
Depth Dimension (Nom. Depth)	5	in.
Media Area (Net Effective)	3.50	m ²
Type Of Media	SYNTHETIC	
Type And Amount Of Adhesive	NONE	
Product Description		

TEST CONDITIONS

Test Airflow Rate	2006	m ³ /hr
Test Aerosol Type	KCI	
Test Dust Type	ASHRAE	
Test Dust Feed Rate	71.0	mg/m ³
Device Test Section Duct Size	24 x 24	in.
Final Device Resistance	1.0	in. w.g.
Air Temperature	23.0	°C
Relative Humidity	50	%
Optical / Aerodynamic Particle Counter(s); OPC / APC	CLIMET INST. / CI-500 (laser)	
Remarks/ Note		

TEST RESULTS - see attached performance curves

Initial Device Resistance	.16			in. w.g.
Final Device Resistance	1.0			in. w.g.
Composite Average Minimum Efficiencies	E1 (0.3 - 1.0 µm)	E2 (1.0 - 3.0 µm)	E3 (3.0 - 10.0 µm)	%
	77	92	99	
Minimum Efficiency Reporting Value (MERV)	MERV 14 @ 2006 m ³ /hr			
Average ASHRAE Dust Weight Arrestance	99			%
ASHRAE Dust Holding Capacity	254			g

DATE
05-30-2012

TEST SUPERVISOR
M.A.M.

ADMINISTRATIVE APPROVAL

Michael A. Murphy

