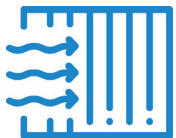


MAKING THE WORLD SAFER, HEALTHIER & MORE PRODUCTIVE *in Commercial Buildings*

With the pressures of running a business today, it is very easy to overlook the effects of Indoor Air Quality on financial performance. Poor IAQ has been linked by many studies to reduced worker productivity and increased absenteeism due to sickness. The consequences in retail environments are even greater – poor IAQ can cause customers to leave early or even stay away altogether. Investing in better air purification filters improves indoor air quality and increases energy efficiency.



**Filter
Selection**



**TCO
Solutions**



FG™

Indoor Air Quality

Why the FP & FP-S MINI-PLEAT V-Bank Filter ?



- MERV 11, 14, 15, 16 and FP-R (98% DOP)-wet-laid micro-fiberglass media
- MERV 11, 14, 15 - gradient density synthetic media
- Available options are side gasketing, metal double header, and full metal wrap
- Max Temperature - 150°F
- Ideal for use in:



FP PERFORMANCE DATA (24 x 24 x 12)

MEDIA	MERV	INITIAL RESISTANCE ("w.g.)			FINAL RESISTANCE ("w.g.)
		375 fpm	500 fpm	625 fpm	
Fiberglass	11	0.11	0.18	0.26	2.0
	14	0.20	0.28	0.37	2.0
	15	0.24	0.34	0.45	2.0
	16	0.41	0.57	0.75	2.0
	FP-R	0.56	0.77	1.00	2.0

FP-S PERFORMANCE DATA (24 x 24 x 12)

MEDIA	MERV	INITIAL RESISTANCE ("w.g.)			FINAL RESISTANCE ("w.g.)
		375 fpm	500 fpm	625 fpm	
Synthetic	11	0.13	0.20	0.28	2.0
	14	0.14	0.22	0.31	2.0
	15	0.19	0.28	0.38	2.0



Scan for more information on FP & FP-S Mini-Pleat

- Design incorporates 193 square feet of high efficiency fiberglass media and 150 square feet of synthetic media within a 24x24x12 frame increasing dust holding capacity and filter life
- Low pressure drop results in significant energy savings
- Rigid construction allows it to withstand many unfavorable conditions especially variable air volume (VAV) systems and 100% relative humidity
- High impact plastic frame creates an exceptionally strong lightweight filter
- Built-in handle* eases transportation and installation
- Dual direction fiberglass media for front or reverse mount installations
- Maximum flow rate of 750 fpm
- Sustainable component for a LEED/Green Building initiative
- Environmentally friendly
 - No metal corrosion
 - Fully incinerable
 - Reduces landfill waste

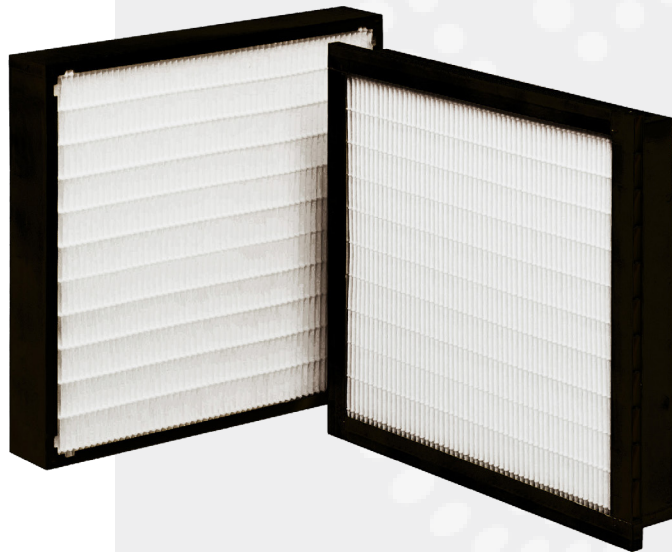
* patent #6,955,696



Why the GEOPLEAT Filter ?



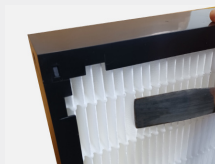
- MERV 11, 13, 14 et 15
- 4" high efficiency filter design
- Gradient dual density synthetic media
- Available in box or single header construction, with side gasketing options
- Max Temperature - 150°F
- Ideal for use in:



PERFORMANCE DATA (24 x 24 x 4 - Box Style)

MERV	INITIAL RESISTANCE ("w.g.)			FINAL RESISTANCE ("w.g.)
	375 fpm	500 fpm	625 fpm	
11	0.13	0.19	0.27	1.5
13	0.22	0.34	0.48	1.5
14	0.24	0.35	0.47	1.5
15	0.25	0.36	0.50	1.5

Products tested and intended for installation with pleats in vertical orientation. First filter dimension corresponds to the vertical dimension



Durable media pack resists damage



Shown with 2" clip designed to hold an optional pre-filter



Available in both box style and single header design



Scan for more information on GeoPleat

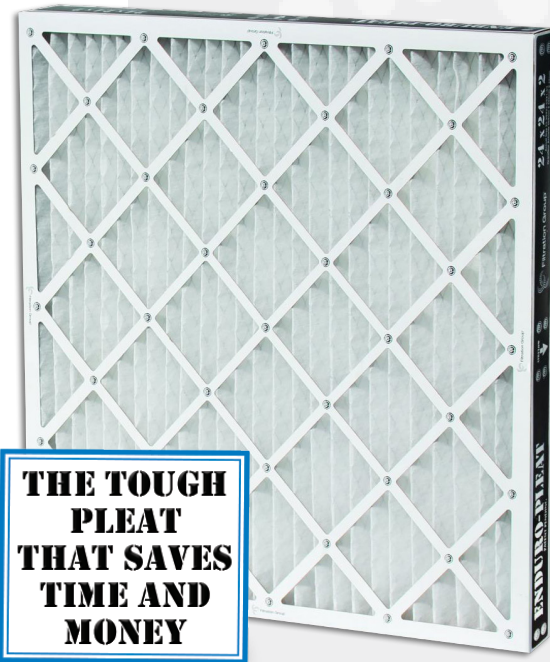
- Advanced media and pleating technology
 - Very low resistance to air flow resulting in lower energy costs
 - Increased media per filter compared to 4" pleats or even 12" cartridge filters
 - Media lowers pressure drop and extends service life while expanding dust holding capacity
 - Maximum flow rate of 625 fpm
 - Robust media resists tearing and damage and is resistant to moisture and microbial growth
 - Exceeds LEED MERV 13 efficiency requirement and is a sustainable component for LEED Green Building initiative
- Compact rigid filter & lightweight design
 - High impact plastic frame is formed to precise dimensions and impervious to moisture
 - Easy handling, lowers transportation costs, and utilizes less storage space
 - Weighs up to 75% lighter than competitive 12" filters
 - GeoPleat will not warp or collapse under most HVAC harsh environments
 - Completely incinerable
 - Perfect for space constraints, roof-top or anywhere safe filter installation is desired



Why the ENDURO-PLEAT Filter ?



- ☞ MERV 8/8A
- ☞ Available in 2" & 4" depths
*Optional steel support frame
- ☞ Ideal for use in:
 - Office and Retail
 - Manufacturing and Distribution
 - Government and Educational facilities
 - Doctor offices, assisted living facilities and Hospitals
 - Hotels and Airports
 - Single and Multi-Family Housing
 - High flow-rate applications



PERFORMANCE DATA (24 x 24)

CAPAC-ITY	FILTER DEPTH	INITIAL RESISTANCE ("w.g.)			MAX SUSTAINED RESISTANCE ("w.g.)
		375 fpm	500 fpm	625 fpm	
High	2"	0.13	0.20	0.29	1.5
	4"	0.12	0.20	0.30	1.5



The Aerostar® GeoPleat advanced pleating technology increases media area per filter, reducing resistance to air flow and maximizes service life. The increased media per filter lowers media velocity and expands the dust holding capacity. This environmentally friendly filter contains no metal components and is completely incinerable.



Scan for more information on Enduro-Pleat

- Better Total Cost of Ownership (TCO) versus traditional pleats, thanks to the high dust holding capacity (DHC) and low initial DP to keep energy costs low for longer.
- Stronger components for longer and guaranteed service life in all applications
 - Patented** heavy duty die-cut frame
 - Internal reinforcement from optional steel frame
 - Advanced, dual-component, synthetic dust absorbing media
 - Rugged wire backing (i.e. twice as heavy as industry standards)
- Engineered for the harshest HVAC environments where traditional pleats are prone to collapsing
 - Extreme rain and snow weather
 - Dry high dust environments
 - High flow rate applications
- Achieves a MERV 8/8A without an electrostatic charge
 - 100% synthetic media
 - Moisture resistant
 - Will not promote microbial growth
- Guaranteed* to last longer than any other standard MERV 8 pleated filter



Why the FP DUAL-PAK Filter ?



- ☞ Purafilter® Dual-Pak MERV 15 efficiency media co- pleated with HEGA-grade gas phase media
- ☞ Great for removing
 - VOCs
 - Diesel Exhaust
 - Acid Gas
- ☞ Ideal for use in:



The Aerostar® Purafilter Dual-Pak filter is designed to remove both particulates and gases with it's proprietary combination media. Great for applications without enough stages for a stand-alone carbon filter or where energy is expensive, and there's a desire to have a combined initial pressure drop lower than a separate particulate and carbon filter.

-> Improve indoor air quality through effective removal of contaminants, odors and gases

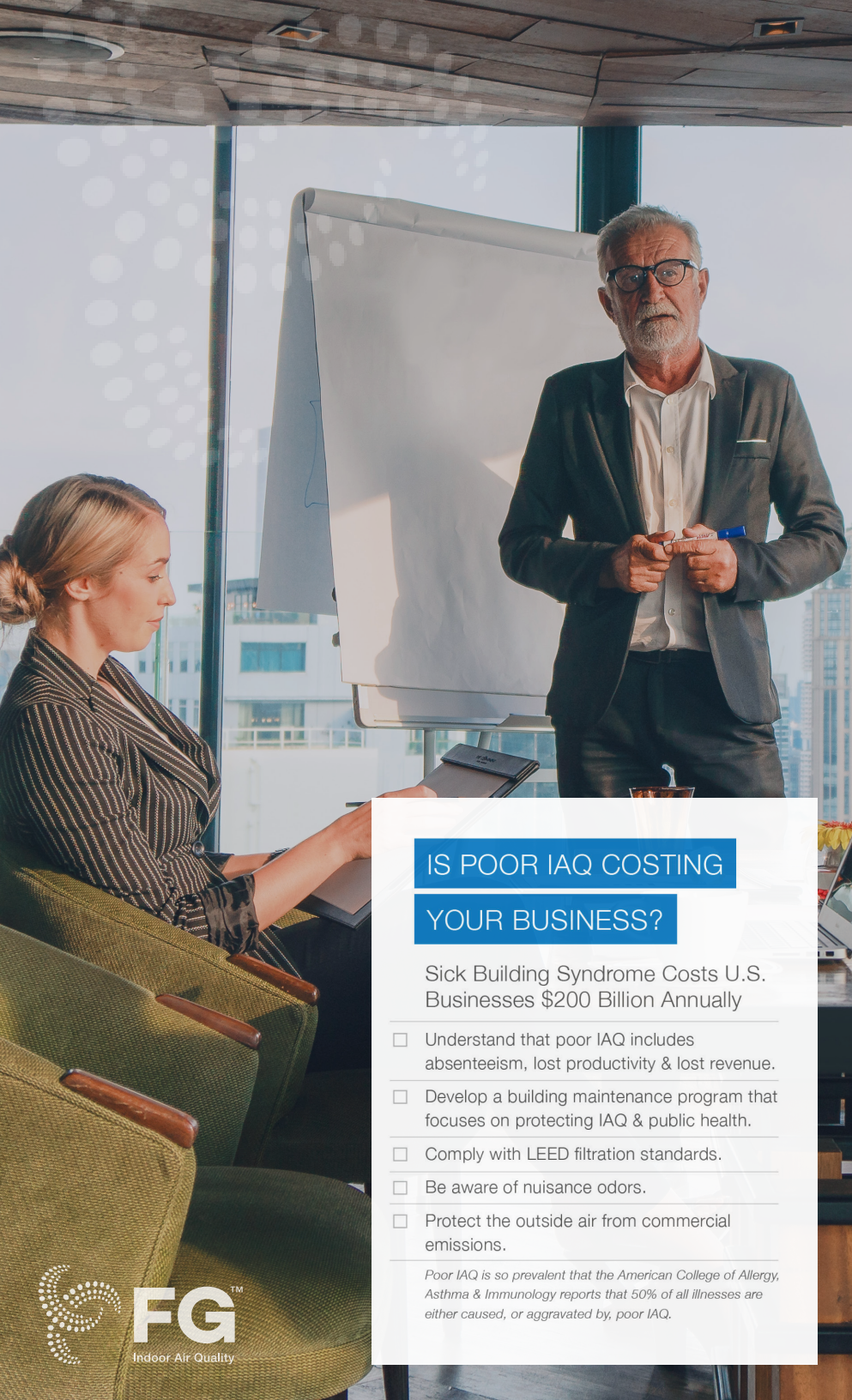


Scan for more information on FP Dual-Pak

- Healthcare
- Hotels
- Casinos
- Offices
- Data Centers
- Airports
- Train Stations
- Specialty manufacturing
- Restaurants, Food & Beverage
- Schools and Universities
- Firing Ranges
- Wildfire Smoke

- First-stage particulate MERV 15 media, 2nd-stage HEGA media available for removal of a wide variety of contaminants for a total Indoor Air Quality (IAQ) solution
- Remove gaseous air contaminants and undesirable odors, giving your occupants and processes the indoor air quality that they require
- Enhanced high-activity virgin-activated carbon-loaded non-woven media. Uses 100% synthetic fibers that do not support microbial growth.
- All plastic high impact frame creates an exceptionally strong lightweight filter and is superior for corrosion resistance
- * patent #6,955,696
- Single header allows for use in almost all 12" installations
- Deep V-format for additional surfacearea
- Built-in handle* for easy handling and installation
- Disposable, easy to use, low service cost
- Proprietary media structure maximizes the carbon surface area available for absorption
- Non-dusting media





IS POOR IAQ COSTING YOUR BUSINESS?

Sick Building Syndrome Costs U.S. Businesses \$200 Billion Annually

- ☐ Understand that poor IAQ includes absenteeism, lost productivity & lost revenue.
- ☐ Develop a building maintenance program that focuses on protecting IAQ & public health.
- ☐ Comply with LEED filtration standards.
- ☐ Be aware of nuisance odors.
- ☐ Protect the outside air from commercial emissions.

Poor IAQ is so prevalent that the American College of Allergy, Asthma & Immunology reports that 50% of all illnesses are either caused, or aggravated by, poor IAQ.



Indoor Air Quality (IAQ) is critical to maintaining a productive commercial building.

Americans spend 90% of their time indoors. When workplaces have poor IAQ, Sick Building Syndrome can occur. Contaminates too small to see can cause illness and result in employee absence and a loss of productivity.

Common Area Maintenance (CAM) costs can be high in commercial buildings, and budgeting is too often designated for maintenance, such as groundskeeping and parking lot upkeep. With more emphasis placed on Green Building initiatives and LEED regulations, tenants are more aware of potential pollutants and concerned for the health of their employees and customers.

To prevent Sick Building Syndrome, it is imperative that you use quality HVAC filtration products.

High IAQ Lowers Your TCO



For every \$1 you spend on filters, you spend approximately:



4 to 6x on
Energy Consumption



1/3 on
Labor & Disposal

\$1,685/Annually per Employee



Employee absenteeism is connected to poor IAQ and costs employers millions each year.

Can you afford to have poor IAQ?

We don't work in a one-size-fits-all world and buildings come with a variety of IAO challenges.

Older buildings often have poor ventilation systems and newer buildings seldom have the ability to open windows for fresh air.

Office equipment such as copiers and computers generate volatile organic compounds which are harmful to breathe. They are also generated by fumes from activities like construction and painting that frequently occur to accommodate commercial tenants. Those voes are then found in carpet fibers and furniture years after installation, increasing the likelihood of exposing employees to respiratory harm and lost productivity.

ACTIVITY	CONTAMINANT BY-PRODUCTS
Construction	Drywall Dust
Painting	VOCs
Food Preparation	Nuisance Odors, Gas Exhaust, Clothing Odor Absorption
Business Center Processing	Ozone
Data/Server Storage	Irregular Temperature, Shut Downs
Crowded Common Recreation Areas	Bacteria, Viruses, Germs

Know Your TCO To Save Money & Improve Productivity

The Total Cost of Ownership (TCO) considers the purchase price of your filtration solution plus the associated costs of maintenance and operation. Accounting for TCO helps you recognize the value of a product over time. Filtration experts can provide a TCO analysis to include direct and indirect expenses in an HVAC operation.

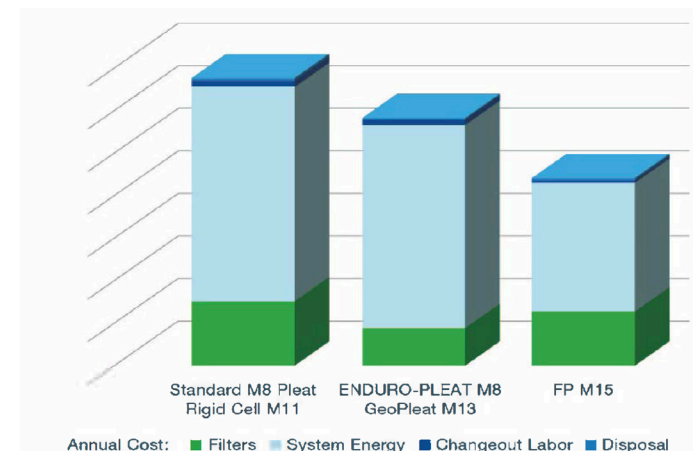




Facility managers should be able to tie a dollar figure to savings on renewable energy. Those savings are heavily influenced by how efficient the filters are that an HVAC system is using over their product lifespan.

Total Cost of Ownership

Filter Cost + Energy Consumption + Labor & Disposal Cost



What the Experts Say

When evaluating TCO, you must consider your entire HVAC system-not just individual filters or one line item cost. Site surveys conducted by HVAC engineers will make a significant difference in an optimized system maintenance program.

CONTACT US FOR A FREE ON-SITE FILTER AUDIT BY ONE OF OUR VALUED DISTRIBUTION PARTNERS

United States
1 800 739.4600

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2020-06-16

FG IAQ, North America's leading air filter manufacturer, partnered with the Oxford Properties Group to assess the filtration system. There were numerous filter systems in the expansive property that needed to be upgraded. FG IAQ was able to improve overall IAQ by installing longer-life filters which required less disposal. Upgrading to EnduroPleat filters helped to lower initial pressure drops which reduced energy consumption. The upgrades included MERV-14 filters, Gaskets, Monitoring Devices and Change Records. The Oxford Properties Group took the initiative to further improve IAQ by scheduling and tracking electronically preventative maintenance, monthly monitoring of equipment and system performance and incorporating building intelligence to view historical building consumption patterns and trends. They also committed to using FG IAQ's landfill diversion program to help preserve natural resources. Energy performance targets were set and achieved.

FG IAQ recognized the ongoing commitment to IAQ and nominated the Oxford Properties Group for consideration for the National Air Filtration Association's (NAFA) Clean Air Award. The award is presented to building owners and managers who take steps to significantly improve IAQ by increasing the level or efficiency of their HVAC air filtration systems. In August of 2018, the Oxford Properties Group received the prestigious NAFA Clean Air Award.

Scan to Read the Full
Case Study



**For more information, please contact your account manager
or visit our website at**



FiltrationGroupIAQ.com

**MAKING THE WORLD SAFER,
HEALTHIER & MORE PRODUCTIVE**
