

COMMERCIAL BUILDING BROCHURE

ENVIRONMENTAL EXCELLENCE FOR YOUR BUILDING & TENANTS

GET LEED POINTS, IMPROVE YOUR AIR QUALITY AND
SAVE ON ENERGY COSTS, ALL WHILE INCREASING
TENANT SATISFACTION



purafil
Filtration Group®

ARE YOU GIVING TENANTS THE PLATINUM EXPERIENCE?



IMPROVED INDOOR AIR QUALITY FOR A BETTER TENANT EXPERIENCE

Maintaining a clean and comfortable indoor environment for your tenants is essential to tenant satisfaction and retention, especially when you consider that one in three workers left a job due to building conditions. According to a Blumbers work study, persistent, foul odors are the fourth most common complaint in commercial office buildings. This means controlling airborne pollutants and contaminants. But are you filtering for all the indoor sources of pollution? Odors caused by pollution can come from cleaning aerosols, printers, bathrooms, kitchens or other office supplies. These can all greatly reduce the indoor air quality. VOCs, furniture, formaldehyde, NO_x, SO_x and other harmful pollutants can not only create an unpleasant environment for tenants, it can compromise their health and safety, too.

Purafil Solution: Odor Pleat, Purafilter HE, V-Bank, Bathroom Odor & Ammonia Blend

KEEPING OUTDOOR SOURCES OF POLLUTION OUTSIDE

You want your tenants to stay in your building, which is why you try to create an environment that is comfortable and conducive to their needs. You're keeping your building clean on the inside by addressing indoor pollution, but have you considered how outdoor pollution will impact your indoor air? Odors caused by pollution can come from traffic, loading docks or nearby industrial plants, which is both unpleasant *and* unhealthy.

Purafil Solution: Outdoor Pollution Blend with Purafilter V-Bank, Purafilter HE, Purafil Canisters

PURAFIL GETS YOU TO PLATINUM

Earning LEED® (Leadership in Energy and Environmental Design) certification requires buildings to be environmentally conscious and more energy efficient. One such way to do so is through improvements to HVAC systems and indoor environmental quality.

Implementing an effective HVAC strategy could net you more LEED points and allow you to save big on energy costs in the long run! This all works as a part of the overall design and creating a building that follows LEED guidelines.

Purafil Solution: Front Access System (FSA), Side Access System (PSA), Drop-in Gas Phase Filters

PURAFIL'S MEDIA ADVANTAGE

PURAFIL COMMERCIAL BLENDS

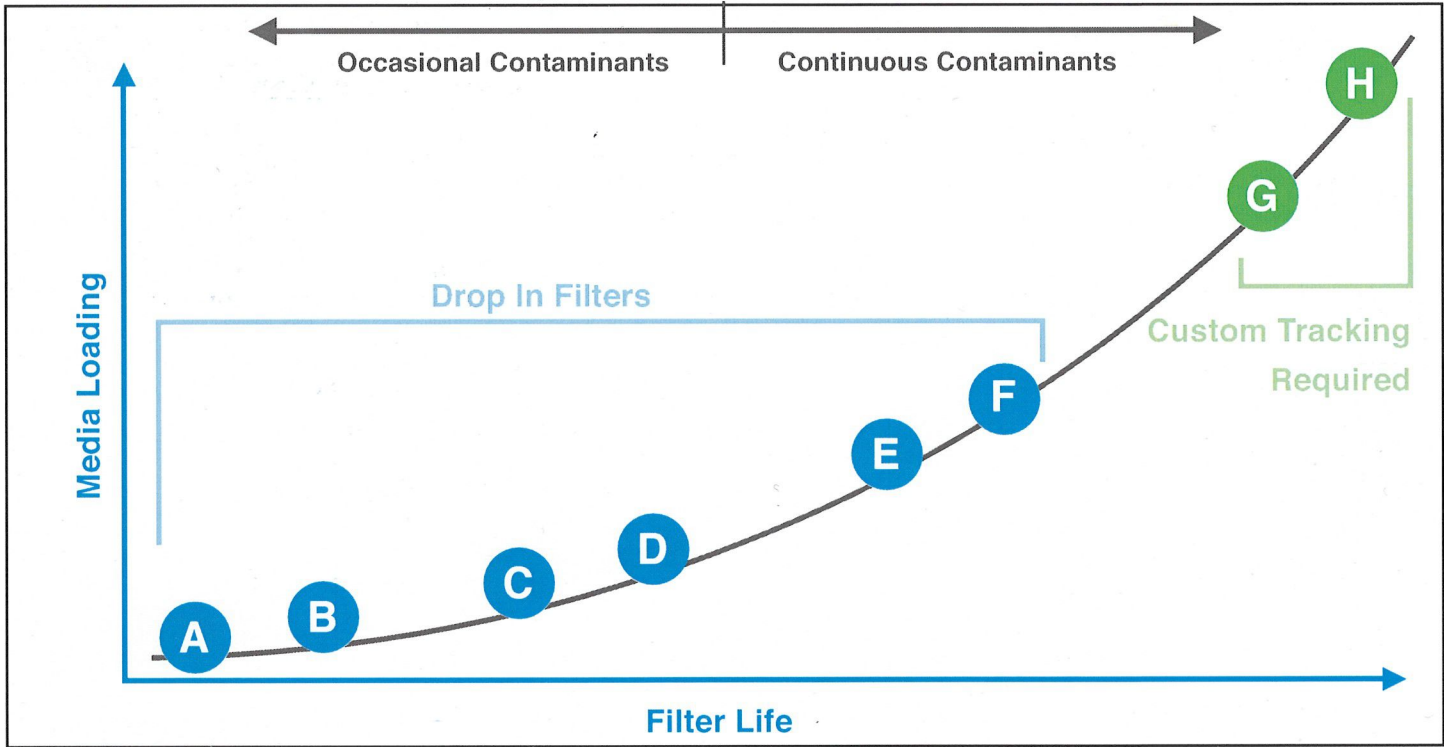
Purafil designs and manufactures a wide array of media to remove gaseous contaminants and pollution from the air. Our patented media blends utilize chemisorption, which chemically transforms contaminant gases into harmless solids that remain trapped inside the media. This allows Purafil media to permanently remove gases and contaminants from the air, unlike activated carbon.

Purafil's new line of commercial blends allows you to address your unique filtration needs. Whether it's kitchen or bathroom odors or something heavier like diesel exhaust, our commercial grade blends have you covered.



BLEND	DESCRIPTION
Jet & Diesel Exhaust	Surrounded by traffic and parking decks? Our specially designed media removes exhaust from local traffic and nearby vehicles.
Bathroom Odor & Ammonia	Keep your office fresh with our synergistic blend of media. It captures and removes common odors from bathrooms, including urine, ammonia and chlorine.
Outdoor Pollution & Corrosion	You're on top of office cleanliness, but you want to get rid of the cleaning compounds, too. Our proprietary blend eliminates cleaning compounds, so you can breathe and smell fresh air.
Kitchen Odor & Smoke	Keep moldy and musty smells at bay with our broad spectrum media. It removes smoke and common kitchen odors, including burnt food, cheese, mold, tobacco and fire smoke.

Filter Performance Chart



ADVANCED FILTERS FOR EVERY NEED

Purafilter Odor Pleat



A

Excellent entry level gas phase filter for intermittent applications. Low Pressure drop keeps operating expenses down.

Media Loading up to	0.5 lb	0.2 kg
Pressure Drop 1"	N/A	N/A
Pressure Drop 2"	0.36 iwg	89.7 pa
Pressure Drop 4"	0.21 iwg	52.3 pa

Purafilter Odor Pleat Plus

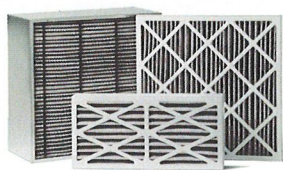


B

Low Pressure drop keeps operating expenses down. Get Purafilter Odor Pleat Plus for 50% more media loading.

Media Loading up to	1 lb	0.5 kg
Pressure Drop 1"	N/A	N/A
Pressure Drop 2"	0.52 iwg	129.4 pa
Pressure Drop 4"	0.47 iwg	116.9 pa

Purafilter



C

Combination chemical and particulate filter that integrates Purafil® patented dry-scrubbing media. Easily replace current particulate filter and upgrade the air quality for your tenants.

Media Loading up to	12 lbs	5.44 kg
Pressure Drop 2"	0.51 iwg	127 pa
Pressure Drop 4"	0.43 iwg	107.1 pa
Pressure Drop 12"	0.47 iwg	117.1 pa

Purafilter HE

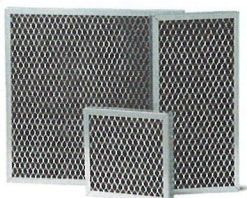


D

Combination chemical and particulate filter that integrates Purafil® enhanced carbon-loaded non-woven media using 100% synthetic fibers. Available in four specially blended combinations to address common air quality issues.

Media Loading up to	15 lbs	6.8 kg
Pressure Drop 2"	0.62 iwg	154.4 pa
Pressure Drop 4"	0.46 iwg	114.6 pa
Pressure Drop 12"	0.36 iwg	89.7 pa

PuraGRID Filters

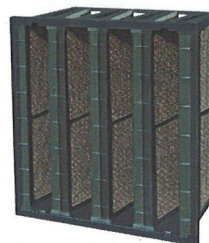


E

A revolutionary filter designed to supply large amounts of chemical filtration with minimal pressure drop. Available in Puracarb IAQ and Puracarb AM (Ammonia).

Media Loading up to	21 lbs	9.53 kg
Pressure Drop 2"	0.29 iwg	72.2 pa
Pressure Drop 4"	0.58 iwg	144.5 pa

Purafilter V-Bank



F

The Purafilter V-Bank uses a high-impact plastic frame with a built-in header for strong, lightweight housing. Ideal for use in odor control where higher levels of contaminants would overwhelm the particulate filter.

Media Loading up to	28 lbs	12.7 kg
Pressure Drop: PCB	0.51 iwg	127 pa
Pressure Drop: CLR	0.36 iwg	89.7 pa
Pressure Drop: Blend	0.36 iwg	89.7 pa

Purafil Canisters



G

For high concentrations of gaseous contaminants. Available in galvanized steel, stainless steel and high-impact plastic housing. Designed to fit existing holding frames or built into Purafil's custom equipment.

Media Loading up to	90 lbs	40.82 kg
Pressure Drop 9"	1.75 iwg	435 pa
Pressure Drop 18"	0.42 iwg	105 pa
Pressure Drop 24"	0.18 iwg	45 pa

Purafil Modules



H

Available in high-impact plastic or galvanized steel, the specialty construction is adhesive free with highly aerodynamic airfoil screens to increase contact time while reducing pressure drop. Sampling ports allow you to test media life before replacing.

Media Loading up to	200 lbs	90.72 kg
Pressure Drop CK	0.6 iwg	149.5 pa
Pressure Drop PK12	0.6 iwg	149.5 pa
Pressure Drop PK18	0.49 iwg	102.1 pa

Initial Pressure Drop: 24x24 / 500 fpm



BUILD BETTER WITH PURAFIL

DUKE ENERGY CENTER ACHIEVES PLATINUM STATUS

The Duke Energy Center in Charlotte, NC is a striking 48-story office building that sought out the prestigious LEED New Construction Platinum Certification. This is the best possible rating a commercial building can earn.

We followed the Indoor Air Quality from ASHRAE Standard 62.1 (IAQP) procedure, which helped the center earn points towards its LEED certification for reducing energy use. By cleaning and recirculating the toilet exhaust with PuraGRID™ filters, they were able to reduce the amount of outside air required to replenish the air. This also allowed for cost savings on capital equipment expenses.

The Duke Energy Center earned its LEED Platinum Certification while saving on capital equipment expenses and ongoing energy costs.

Purafil, Inc. is the leading manufacturer of filtration media, scrubbers, and monitors that provide a safe and comfortable environment. Our products and solutions identify and remove harmful and unpleasant particles, gases, odors, bacteria, and viruses from the environment. The results are increased comfort levels, reduced energy costs, and confidence that your building will provide the ideal tenant experience.

HOW AIR FILTRATION IMPACTS LEED CERTIFICATION

HOW PURAFIL HELPS EARN POINTS TOWARDS LEED CERTIFICATION

Environmentally and energy-conscious builders are utilizing LEED (Leadership in Energy and Environmental Design) guidelines to build green structures. This rating system provides a framework for creating efficient, sustainable buildings. LEED certifications are recognized worldwide.

POINTS TOWARDS LEED CERTIFICATION

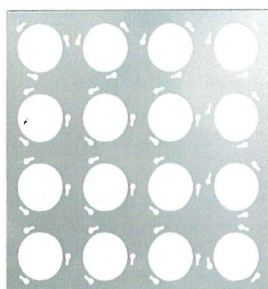
RATING CATEGORY	POINTS AVAILABLE	SUGGESTED AIR FILTRATION STRATEGY
Energy & Atmosphere Prerequisite: Minimum Energy Performance	Required	Quantify the energy implications of various filter selections
Energy & Atmosphere Credit: Existing Building Commissioning – Analysis	2	Perform a life cycle cost analysis and energy analysis on the HVAC filtration system
Energy & Atmosphere Credit: Existing Building Commissioning – Implementation	2	Choose air filters with lower resistance to air flow (such as PuraGRID and Purafilter) and follow an optimized change-out schedule
Materials & Resources Credit: Purchasing – Ongoing	1	Use extended-life filters (such as PuraGRID and Purafilter V-Bank) to reduce changeouts and minimize waste generated while minimizing energy consumption
Indoor Environmental Quality Credit: Indoor Air Quality Management Program	2	Include all air filters in the I-BEAM-based IAQ management program & follow an optimized changeout schedule
Indoor Environmental Quality Credit: Enhanced Indoor Air Quality Strategies	2	Utilize MERV 13 GreenPleat filters for all systems supplying outdoor air to occupied spaces and follow an optimized changeout schedule

PURAFIL CUSTOM EQUIPMENT



FRONT ACCESS SYSTEM (FAS)

Modular frames are individually tracked for Purafil media modules. The FAS is specified in retrofit applications or custom air handling units.



Canister Holding Frames

Holding frames are made out of galvanized steel and can be retrofitted into the current HVAC system or installed into customized Purafil equipment.



PURAFIL® SIDE ACCESS SYSTEM (PSA)

The PSA is designed for both particulate and gaseous contaminant control and works in conjunction with the facility's air handling system.

Airflows of 250 - 50,000 CFM.