

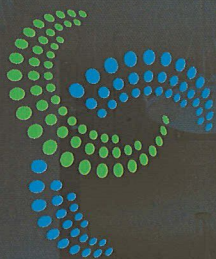
HOSPITALITY BROCHURE

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# IS YOUR HOTEL EARNING FIVE STARS FOR THE FIFTH SENSE?

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CREATE A COMFORTABLE SPACE FOR YOUR GUESTS  
BY ELIMINATING ODORS AND POLLUTION, ALL WHILE  
REDUCING YOUR ENERGY BILL.



**purafil**

Filtration Group®



# FILTERING FOR FIVE-STAR AIR



## ARE YOU TIRED OF REOCCURRING ODOR COMPLAINTS?

Occupancy rates, guest satisfaction and online ratings are all affected by odor complaints. Unpleasant smells can come from anywhere, whether it's local traffic, on-site kitchens, mildew or even remodeling materials. Common particulate filters trap dust, pollen, and other particles, but don't address gases – the true source of odor complaints.

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

## IS YOUR AIR AS FRESH AS THE SHEETS?

Controlling airborne pollutants is essential to maintaining a healthy and pleasant environment for all. By maintaining healthy air quality, you can give your guests a whole new level of comfort. Keep your staff and occupants happy and healthy by eliminating VOCs, formaldehyde,  $\text{NO}_x$ ,  $\text{SO}_x$  and other harmful pollutants.

Indoor Air Quality (IAQ) can be affected by both inside and outside sources. Common outside sources of pollution include incinerators, loading docks and waste disposal units, usually located within a few feet of primary HVAC air intakes. Inside sources of pollution can include cleaning aerosols, guests, office furnishings and printers. Traditional air handling systems are not equipped to address such contaminants, which have a major impact on air quality.

***Purafil Solution: Purafil Odor Pleat, Purafilter HE, Purafilter V-Bank, Diesel Exhaust Blend***

## GO GREEN & SAVE SOME GREEN

Heating and cooling large amounts of outside air can be expensive, requiring large HVAC units and increased energy consumption. Building codes stipulating make-up air for each room can increase these costs. Procedures like ASHRAE Standard 62.1-2018 for IAQ allow for the reclassification of exhaust air from guest rooms which are already cool and dehumidified. We are able to execute these procedures by applying regulatory knowledge and using our unique filtration systems. By decreasing the total amount of outside air required, Purafil is able to reduce energy costs and enable the use of smaller HVAC units.

***Purafil Solution: Side Access System (PSA), Drop-In Gas Phase Filters, Canisters, Purafil Modules***

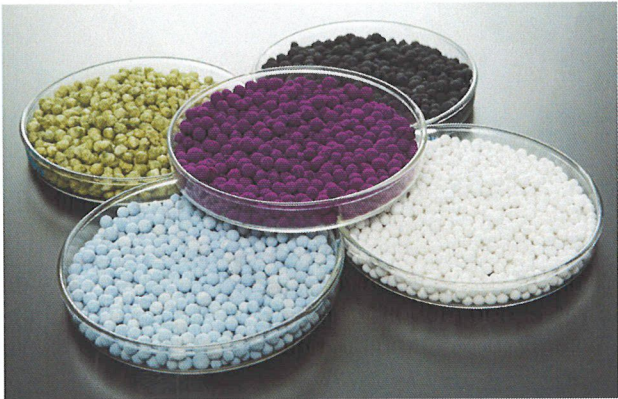


# PURAFIL'S MEDIA ADVANTAGE

## PURAFIL COMMERCIAL BLENDS

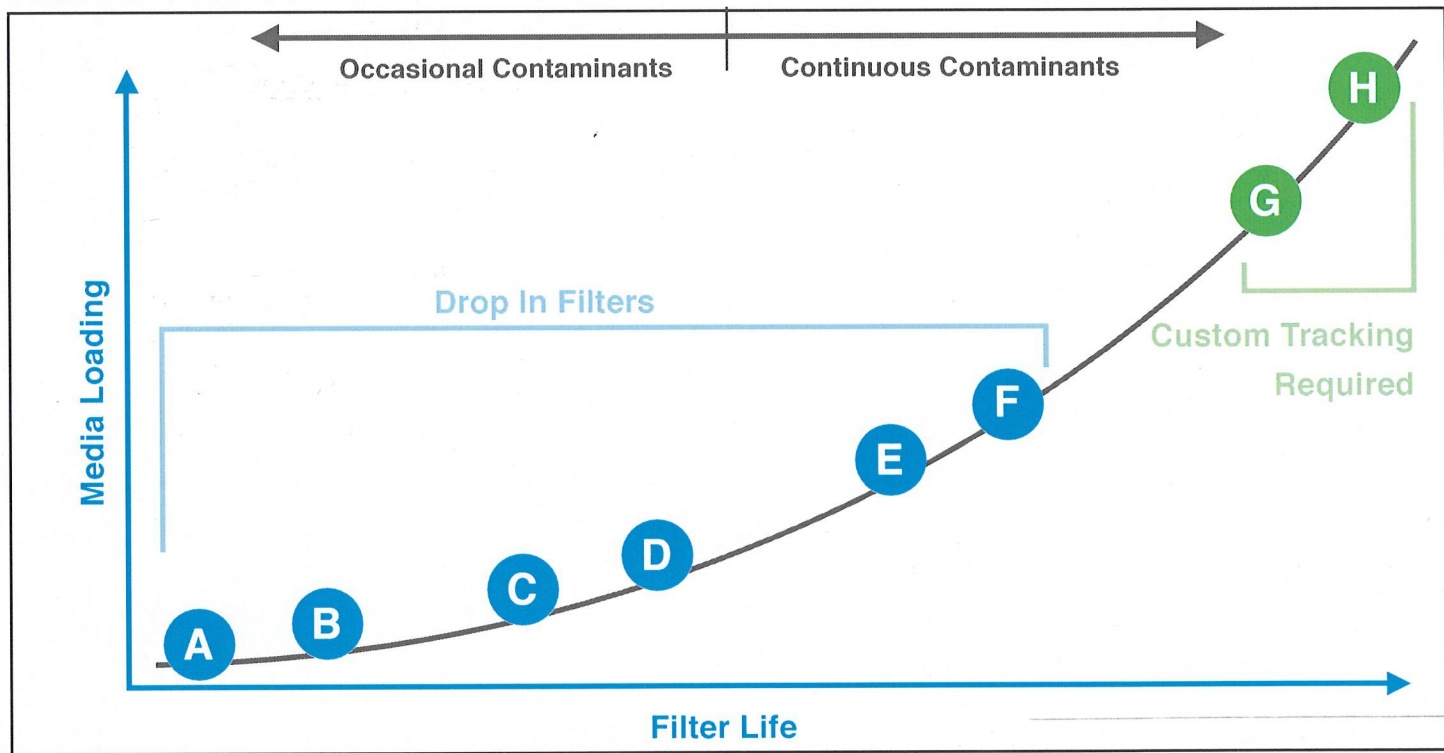
Purafil designs and manufactures a wide array of media to remove gaseous contaminants and pollution from the air. Our patented media blends utilize chemisorption, which chemically transforms contaminant gases into harmless solids that remain trapped inside the media. This allows Purafil media to permanently 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	Give your guests a five-star experience by utilizing our custom media blend to remove bathroom odors, cleaning compounds and chlorine from the air.
Outdoor Pollution & Corrosion	You maintain a pristine environment for your guests, which is why you've decided to get rid of the chlorine odors from the pool and cleaning compounds in the air. Our proprietary blend eliminates these, so you can breathe and smell fresh air.
Kitchen Odor & Smoke	Keep restaurant odors at bay with our broad spectrum media. It removes smoke and common kitchen odors, including burnt food, cheese, 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

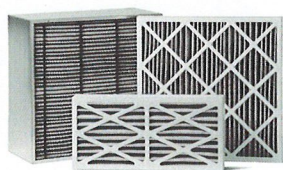


B

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

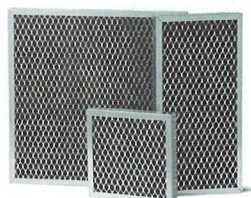


D

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

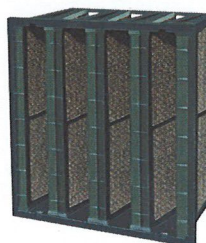


E

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



# PURAFIL SAVES THE SEASON



## RIDDING RESORTS OF RESTAURANT ODORS

A five-star resort and spa on one of Greece's most popular islands had five in-house restaurants, which caused strong odor issues throughout the hotel, including common areas and guest rooms. This was concerning to the travel agency working with the resort, so they requested the issue be remedied before the heavy travel season began in just two months.

The solution needed to be quiet as not to disturb the guests, and customized to fit within the limited space available. We ensured the solution would be less than 40dB for optimal guest satisfaction and comfort. We installed custom kitchen exhaust systems in varying orientations, combining HEPA filters, UV-C, and Purafil Select CP Blend media. We incorporated a silencer to decrease noise generated by the fans.

We were able to deliver the highest level of service, ensuring odors were eliminated within the two-month time frame. The resort maintained their relationship with the travel agency, allowing them to maintain a high occupancy rate in their peak season. The resort remains a loyal and odor-free Purafil customer with happy and comfortable guests.

**“They were able to solve our problem on time, so we could avoid having complaints from hotel guests during the high season.” - Resort Maintenance Manager**

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 hotel, resort, or casino will provide the ideal guest experience.



# HOW AIR FILTRATION IMPACTS LEED CERTIFICATION

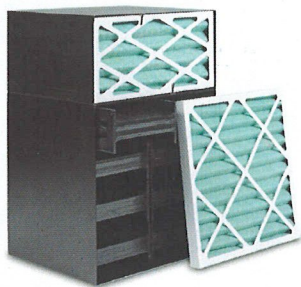
## HOW PURAFIL HELPS EARN POINTS TOWARDS LEED CERTIFICATION

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

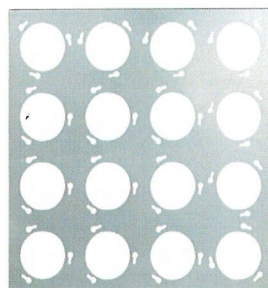
RATING CATEGORY	POINTS AVAILABLE	SUGGESTED AIR FILTRATION STRATEGY
Energy & Atmosphere Prerequisite: Minimum Energy Performance	Required	Quantify the energy implications of various filter selections
Energy & Atmosphere Credit: Existing Building Commissioning – Analysis	2	Perform a life cycle cost analysis 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. Airflows up to 2,000 CFM.



### 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.

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