

Odor Control Solutions



PureAIR
FILTRATION



The most reliable, customizable, advanced solutions in the industry

No one solution meets the varied needs of different odor control applications. Understanding the unique needs of different applications and responding with designs to fit your needs is PureAir Filtration's specialty.

Our six odor control solution products feature:

- Multiple materials of construction to fit the client's need and budget – Fiberglass Reinforced Plastic (FRP), Stainless Steel, Aluminum, High-density polyethylene (HDPE)
- Multiple, engineered and high capacity adsorbent medias in each unit to capture all odors
- Preconditioning of the air to optimize the system performance – standard mist and grease elimination and optional humidity reduction
- Monitoring of the media consumption – two options: the standard visual media bed monitor, or the optional Electronic Media bed Monitor (EBM)

MEDIA BED ROD:



This unit is equipped with a metal Media Bed Rod. The rod is positioned inside the system at an angle against the direction of airflow and detects the expiration level of the media.

- Dark, corroded coloration on rod shows where media has expired. Once half the rod has been corroded, one should contact the factory to replace the media to ensure the proper functioning of the system.
- Interested in instant notification of media life? Ask about our Electronic Media Bed Rod that can be added to your system as an upgrade.

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DRUM SCRUBBER (DS)

The PureAir Drum Scrubber is a completely self-contained vent control system for small-flow odor air streams ranging in volume without prefiltering or mist/grease elimination.

- Typical applications are small and low cost
- Standard Blower: DRAWTHRU
- Standard: High-density polyethylene (HDPE)
Other options: Stainless Steel, Fiberglass reinforced plastic
- Provides airflow up to 2,123.7 CMH (1,250 CFM).



VERTICAL BED SCRUBBER (VBS)

The PureAir Vertical Bed Scrubber (VBS) provides continuous high efficiency air purification for contaminated air streams up to 28,883.1 CMH (17,000 CFM).

- A completely self-contained, vertical airflow unit
- Construction Material: Municipal Standard: Fiberglass reinforced plastic. Industrial Standard: Stainless Steel. Other options: Aluminum
- Potential for air bypass is completely eliminated with the system's vertical airflow
- DRAWTHRU Other option: BLOWTHRU.



PACKED BED SYSTEM (PBS)

The PureAir PBS System is a completely self-contained, horizontal airflow package for up to 9,514.4 CMH (5,600 CFM).

- Low profile, multiple beds, lowest noise
- Construction Material Municipal Standard: Fiberglass reinforced plastic (FRP). Other options: Stainless Steel, Aluminum
- Horizontal configuration
- Easy bulk loading and unloading
- Standard Blower: DRAWTHRU. Other option: BLOWTHRU.



V-BANK TRANSITION SYSTEM (VTS)

The PureAir VTS system is a high-volume, low-maintenance solution for industrial and wastewater odor control.

- High airflow, multiple beds
- Construction Material Standard: Fiberglass reinforced plastic (FRP). Other options: Stainless Steel, Aluminum
- Total solution with customizable beds
- Provides airflows up to 71,358.4 CMH (42,000 CFM)
- Standard Blower: DRAWTHRU Other option: BLOWTHRU.



RADIAL FLOW (RF)

The PureAir Radial Flow System is a round tank design meant for high airflows (above 5,097.0 CMH/3,000 CFM) where footprint is more of a concern than height.

- Provides a high airflow solution in a small footprint
- Construction Material Standard: Fiberglass reinforced plastic (FRP). Other options: High-density polyethylene (HDPE)
- Round tank design that swirls the air through a column of adsorbent media
- Provides airflows up to 45,475.2 CMH (25,000 CFM)
- Standard Blower: BLOWTHRU.



BEAST BIOSCRUBBER (BST)

The PureAir BEAST (Biologically Engineered Adsorbent Scrubber Technology) Bioscrubber System consists of a bioscrubber tower, followed by a polishing unit, to ensure the most efficient removal of even the highest H₂S levels. One system can clean up to 13,592.08 CMH (8,000 CFM) of airflow, and unlike other systems on the market, the BEAST is low maintenance.

- Provides the highest odor removing power (300+ ppm of H₂S)
- Full remote monitoring and notification system
- Advanced biomedium has 10+ years of life.



CHEMICAL ADSORBENT MEDIA



Basic Information

PureAir Chemical Adsorbent Media is used for gas filtration to target gases, vapors, and odors. PureAir offers a variety of media to all customers to offer the best solution at the best cost.

Defining the Problem

Figure out which gas is causing the problem to determine the best solution.

Below are the main gases PureAir Chemical Adsorbent Media targets.

- Ammonia
- Hydrogen sulfide
- Sulfur dioxide
- Nitric oxide
- Formaldehyde
- Chlorine

Note: For Industrial and Commercial customers, we offer a corrosivity test kit to determine the main gases in the air.

Media Types

Interested in a specific media? Ask factory to send specification sheet which includes removal capacities.

Activated Alumina Base:

- PureAir 4
- PureAir 8
- PureAir 12
- Safetyorb™

Mineral Base:

- PureAir Z
- PureAir 6Z
- Sulphasorb Fe™

Engineered Carbon Base:

- PureAir AC-X
- PureAir AC-C
- PureAir Ammoniasorb™
- PureAir Sulphasorb™
- PureAir Sulphasorb XL™

Blended Media:

- PureAir PP blend
- PureAir CP blend
- PureAir CPS blend
- PureAir CPS12 blend
- PureAir Tri-Blend
- Carbsorb™
- Sulphasorb FeXL™
- Microbe-sorb™
- Odasorb™
- NOX-sorb™

Media Filter Housings

Incorporate any media into these various housings/filters to meet your needs.

- Loose Media by the Box or Supersack
- PurePak (PP12/PP18 Modules)
- Honeycomb Filters
- Pleated Media Filters
- Canisters

*Ask factory for more details on each of these options.



Made in The USA.

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V #1

REPLACEMENT MEDIA



Basic Information

Keeping your system serviced with high performance chemical adsorbent media is important. If media is not changed out when it is due for replacement, your system will not function properly and unwanted gases will be released into your environment. The life span of media will vary depending on many factors but will usually last for a little over 1 year. Maintain your system's performance with PureAir's superior quality media, as shown in third party testing.



CHECKING YOUR PUREAIR SYSTEM

There are a few ways to check your PureAir system and media.

The **Manual Bed Indicator** performs as a dip stick into the unit. If you pull the stick out, there will be discoloration from the media. When the discoloration reaches the halfway point, it is time to start considering changing the media.

The **Electric Bed Monitor (EBM)** will alert you when it is time to change the media.

TESTING AIR QUALITY

Our corrosivity test kit can also be used, especially for Commercial and Industrial applications, to test the quality of the air in the room and ensure the system is performing as intended.

The **Electronic Corrosion Monitor (ECMv2)** allows one to complete the coupon test electronically and through real time monitoring.

SAMPLING MEDIA FOR LAB TESTING

We offer complimentary media testing for all PureAir customers. The test requires a small sample of media from the system and we recommend getting media from each port of the system.

MEDIA SUBSCRIPTION PLAN

Interested in a customizable dedicated service package including automatic reorder of media at a discounted price? Ask factory about PureAir's new media subscription plan.

Tier 1: Dedicated Virtual Assistance from Sales Support Associate

Tier 2: On-site Consultation & Sales Support

Tier 3: On-site Consultation & Sales Support + Electronic Monitoring

	Tier 1	Tier 2	Tier 3
Discount on future media orders	X	X	X
Free quarterly media testing; bags and labels will be sent each quarter.	X	X	X
Sales support associate will send a reminder to check media bed rod on a quarterly basis with instructions.	X	X	X
Discount on future media orders and change-out service.		X	X
A representative will come on site to check media bed rod and take samples on a quarterly basis. Mist and grease filter will be cleaned if needed.		X	X
EBM Rod and reports will be provided.			X
Other air quality monitoring will be provided as needed.			X

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