purafil
Filtration Group®

PRODUCT BULLETIN

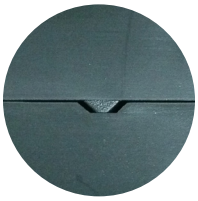
PK-12 AND PK-18 MODULES

SPECIFICATIONS

Nominal Size	PK-18: 24" wide x 6" high x 18" deep (610 x 152 x 457 mm) PK-12: 24" wide x 12" high x 12" deep (610 x 305 x 305 mm)
Media Volume	PK-18 contains 0.5ft³ (0.014 m³) PK-12 contains1.0 ft³ (0.028m³) of the user's choice of Purafil dry chemical media.
Temperature	-4° F to 125 °F (-20° C to 51°C). See bulletin for the chosen contained chemical media for specifics.
Filter Medium Bed Depth	PK-18: 1" (25.4 mm) PK-12: 3" (76.2 mm)
Pressure Drop	PK-18: Not to exceed 0.405 IWG @ 500 ft/min (101 Pa @ 2.54 m/sec) face velocity PK-12: Not to exceed 1.20 IWG @ 250 ft/min (299 Pa @ 1.27 m/sec) face velocity

Purafil's PK-18 and PK-12 MediaPAK™Modules will help you save energy, money and time while improving indoor air quality, removing odors and preventing corrosion. The specialty design features a durable, adhesive-free construction with highly aerodynamic airfoil screens, easy access sampling ports and the patented Posi-Track™ Purafil technology.

Improved Airflow Distribution: Purafil's professional team of scientists and engineers have created an aerodynamic airfoil screen design. This enhancement provides a lower pressure drop, thus saving you energy costs.



Optimized Filtration Efficiency with Virtually Zero Bypass: The Posi-Track™ self-sealing technology, flat frame design and tongue and groove module notching secures a tight seal between module to module and module to housing. These features eliminate the need to add gasket material.

Zero Off-Gassing From Adhesives or Gaskets: The new module construction is adhesive-free and gasket-free, ensuring no off-gasing from these materials.

Easy Replacement or Retrofit: Purafil's modules can be inserted into existing module or cassette based equipment. The product label QR Code (or web address) provides a quick link to Material Safety Data Sheets (MSDS) and product information, making reordering less time consuming.

Easy Sampling: The sampling port is easy to remove with coin or straight edge, allowing you to effortlessly take advantage of Purafil's free media life analysis testing services. This can save you money and time by providing an estimated media replacement date so you can use the module to its fullest extent and avoid prematurely reordering.

Higher Contaminant Removal: Purafil's proprietary manufacturing innovations ensure that the media has a high pore structure to absorb more contaminants than other comparable products. Full utilization of the media coupled with higher removal capacities results in fewer change-outs with less maintenance time and costs.

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Factory-Filled Performance: Purafil's MediaPAK modules are factory-filled with your choice of engineered dry-scrubbing media. During Purafil's unique manufacturing process, each module is placed on a media settling table to ensure a packed bed thus preventing bypass of contaminated air within the module. This product is manufactured at Purafil's global headquarters under ISO 9001:2008 quality management system.

Rigid and Durable Construction: The MediaPAK modules are constructed of High Impact Polystyrene (HIPS), making them suitable for varying climates and environmental conditions. The module's rigid frame eliminates the possibility of bowing, which has been reported to cause air bypass in competitive systems. This provides maximum system efficiency throughout the life of the media.

Environmentally Friendly: MediaPAK modules are constructed of 100% recyclable plastic. The module contains your choice of Purafil dry chemical media, which is non-toxic and non-hazardous as supplied.

Easy to Handle and Lift: Each module is designed as two half units, making it easy to lift and install.

Disposal Instructions: To recycle the MediaPAK module, first discard spent media. Take the empty module to a local recycling facility. To dispose of the entire module, including media, Purafil advises you to follow local, state, and/or national regulations.

UL Classified: See complete marking on product

Pressure Drop: MediaPAK modules factory-filled with Purafil's granular media were chosen at random from stock and submitted for full-scale testing by an independent laboratory following the procedures and guidelines of ASHRAE Standard 52.2-2010 "Method of Testing General Ventilation Air-Cleaning Devices for Removal Efficiency by Particle Size." Purafil's Posi-Track™ technology and flat frame design requires no gaskets and virtually eliminates bypass. Competitive modules requiring gaskets and/or clips is an acknowledgment of inherent bypass.

Engineering Specifications

1.0 General

1.1 Filters shall be Purafil® Modules manufactured by Filtration Group

1.2 Filters shall be available in nominal depths of 12" or 18"

1.3 Filters are manufactured by an ISO 9001 registered company

2.0 Housing Materials of Construction

2.1 Module frame shall be a high impact plastic construction with custom tongue and groove flat frame designed tracking to accept PK-12 and PK-18 modules

2.2 Module shall have durable adhesive free construction and no gasketing to prevent off-gassing

2.3 Module shall have sampling port removable with a coin or straight edge for quick removal of media for analysis

2.4 Module shall have aerodynamic airfoil screens to enable low pressure drop

2.5 Each module shall be placed on a media settling table during construction to ensure a packed bed to prevent bypass of contaminated air within the module

2.6 Module shall have a media volume and filter bed depth of 1 ft3 and 3" for the PK-12 and 0.5 ft3 and 1" depth for PK-18

3.0 Media Performance

3.1 Modules shall be filled with one of the custom Purafil® engineered media blends for commercial use

- Jet & Diesel Exhaust Blend
- Outdoor Pollution & Corrosion Blend
- Kitchen Odor & Smoke Blend
- Bathroom Odor & Ammonia Blend

3.2 Engineered media shall use chemisorption process to chemically transform contaminant gases into inert solids trapped inside the media, removing gases permanently from the air, unlike activated carbon

3.3 Modules and Engineered media shall be rated to withstand a continuous operating temperature of up to 125°F

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