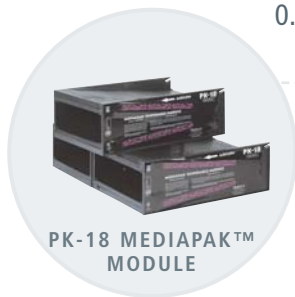


# PRODUCT BULLETIN

## 4 THE PURAFIL FRONT ACCESS SYSTEM



THE FRONT ACCESS SYSTEM (FAS) consists of modular frames that are individually tracked for Purafil media modules. Frames can be stacked to any size or configuration to meet any space requirement. The FAS is specified in retrofit applications with high airflows or for custom air handling units. Depending on the model chosen, each frame with modules can handle airflows up to 2,000 cfm (3,398 m<sup>3</sup>/hr) and has a pressure drop of 0.5 or 0.6 iwg (125 or 149 Pa).



### STANDARD FEATURES

- 16 gage steel frames
- Custom selection of Purafil media
- Purafil disposable media modules
- Particulate filtration
- Corrosion-resistant paint

### OPTIONAL FEATURES

- Stainless steel
- Special coatings

### SYSTEM ADVANTAGES

**IMPROVED IAQ AND ENERGY CONSERVATION:** Unwanted contaminant gases are present in essentially every commercial and industrial environment. Office equipment, such as copiers or printers, emit volatile organic compounds (VOCs) and ozone which cause eye and sinus irritation.

New furniture and carpet emissions cause headaches and breathing difficulties. Automobile exhaust, or emissions from nearby industrial facilities, are also sources of gaseous contamination when this air is brought indoors through building ventilation systems.

To achieve acceptable indoor air quality (IAQ), the ideal approach is to eliminate or control sources of contamination. When sources of contamination cannot be eliminated and control is impractical, ASHRAE Standard 62-1989 states that acceptable contaminant levels may be obtained by diluting room air with air of sufficient cleanliness, such as outdoor air or clean recirculated air. While diluting room air with outdoor air will reduce contamination levels, the energy costs associated with this option often force property managers to search for more economical solutions. In addition, bringing in more outside air may result in new contaminant

gases being introduced into the environment. For these reasons, the most economical and effective solution for removal of air gases may be gas-phase air filtration.

Property managers can lower energy costs, while providing clean, odor-free air.

### PURAFIL FRONT ACCESS SYSTEM DESIGN FLEXIBILITY:

The Front Access System consists of box-shaped units called "frames" which may be stacked vertically or horizontally, giving the system flexibility in terms of size and shape. This unique design allows the Front Access System to meet space availability requirements for easy installation within most air handling units.

### EASY HANDLING AND MAINTENANCE:

The frames within the Front Access System are individually tracked to hold modules containing Purafil's dry scrubbing media. Each frame is designed for quick and easy installation and removal of media modules. The modules hold more media than traditional thin bed trays, which means less handling and longer service life. Purafil offers factory-filled modules, which come ready to be installed and are disposable after use.

Low pressure drop and high contaminant removal efficiency: The "V"-

shaped design of Purafil's media modules improves contaminant removal efficiency by lowering velocity within the media bed and increasing surface area. As a result, no mechanical alterations to fans are required due to low pressure drop within the Front Access System.

Particulate pre-filtration is also an integral part of the Front Access System; no additional particulate filters are needed to maintain optimum performance.

### MEDIA SELECTION:

Purafil offers a wide variety of dry-chemical media that target individual contaminants. You may customize your selection of dry-chemical media according to the contaminants present in your unique environment.

### SYSTEM SUPPORT:

Ask your local Purafil representative for details on the technical services offered by our state-of-the-art laboratory. Purafil's comprehensive service program includes media life analysis, environmental classification coupon testing and competitive media efficiency testing.

