

Packaged Filter Unit PFU-Mini



Data Center Air Purifier



**KEEP ELECTRONICS SAFE FROM CORROSIVE POLLUTANTS
WHILE IMPROVING INDOOR AIR QUALITY**

Capture Harmful Gases in Your Electronics

The PureAir Data Center mini is a self-contained, movable unit that recirculates the air in data centers. As the air passed through PureAir's gas adsorbent media, harmful corrosive gases are captured and permanently bound. Purified air is sent out the top of the unit where it is used to cool servers without harming electrical components.

Bring clean room level air purification to any room. Easy Installation, low energy consumption.

The DC mini has low energy consumption and noise, and installation is a snap in your existing server cabinets, plugging into standard electrical sockets. Each unit provides protection for up to 250 m² (2,500 ft²). Airflow is variable, controllable up to 850 CMH (500 CFM), and differential pressure gauges indicate filter changes for easy maintenance.

PureAir Filtration specializes in custom design solutions for a wide range of vapor phase air purification and contaminant control applications. PureAir Filtration designs and builds complete systems to meet the demands of ANSI/ISA S-71 environmental standard for protecting electronics.

+1 678.935.1431

Toll Free: 866.543.7479

www.PureAirFiltration.com

6050 Peachtree Pkwy Suite 240-187 Atlanta, GA, USA 30092

PFU-Mini Data Center Specifications

The PFU-Mini Unit offers two configurations:

1. Protecting Critical Electronics

MERV 8 (G4) Dust Prefilter
56 liters / 2 ft ³ of PureAir gas adsorbent media filled in low pressure holding frames
MERV 14 (F7) Dust Final Filter

Unit Sizing for Protecting Electronics	
Air Quality*	Room Air Volume
G2	600 m ³ (20,000 ft ³)
G3	300 m ³ (10,000 ft ³)
GX	150 m ³ (5,000 ft ³)
*Based on ISA S71.4 or ASHRAE TC9.9 recommendations	

FEATURES

- Electrical Requirements: 120V or 230V, single phase 50/60 Hz
- Optional differential pressure gauges to indicate dust filter changes
- Low energy consumption 0.3 kW
- Low noise
- Variable control of airflow up to 850 CMH (500 CFM)
- Low EMF brushless AC blower motor

2. Indoor Air Quality

One stage of Microbe-sorb™ Adsorbent
99.97% HEPA Filter
Final stage of FiberShield™

- For Indoor Air Quality- Each unit is effective for up to 150 m² (500 ft²)

Complete the protection- pair with the ECMv2

The PFU-Mini also works in tandem with the PureAir ECMv2 air quality monitor, which provides the needed verification that ANSI/ISA air quality standards are being met. Together, the PFU-Mini and the ECMv2 ensure your data center assets are protected and will provide the most reliable service.

The PFU-Mini can be adapted to fit inside a server rack.

Test Coupons for Lab Analysis

PureAir offers Corrosion Classification Coupons, which measure the air quality in your data center to ANSI/ISA standards. The test coupon is placed in the Data Center for 30 days and returned to PureAir to be analyzed by our certified laboratory technicians. If you are unsure if you have an environment that is harmful to your hardware, this should be your first step. Note that the coupon only measures corrosive gases and is not meant to verify Indoor Air Quality levels for Data Center personnel.

+1 678.935.1431

Toll Free: 866.543.7479

www.PureAirFiltration.com

6050 Peachtree Pkwy Suite 240-187 Atlanta, GA, USA 30092