

Packaged Filter Unit- Mini PFU-Mini

PureAIR
FILTRATION

Data Center Air Purifier



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

Capture Harmful Gases in Your Data Center

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.

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.

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PFU-Mini Data Center Specifications

FEATURES

- MERV 8 (G4) Dust Prefilter
- 28 liters (1 ft³) of PureAir gas adsorbent media filled in low pressure holding frames
- MERV 13 (F8) Dust Final Filter
- Available with 50/60 V and 110-230V options
- Differential pressure gauges to indicate dust filter changes
- Low energy consumption -0.3 kW
- Low noise
- Each unit provide protection for up to 250 m² (2,500 ft²)
- Variable control of airflow up to 850 CMH (500 CFM)
- Low EMF brushless AC blower motor

Unit Sizing	
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

Leading the Industry

The following customers have implemented PureAir's proven technology to ensure the highest level of environmental protection for their critical hardware:

- Barclays Bank
- Farmers Insurance
- Google
- Hewlett Packard
- HSBC Bank
- Innodata



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.

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