

Packaged Filter Unit PFU-Mobile



Air Purifier



**PROTECT ELECTRONICS FROM CORROSIVE POLLUTANTS
WHILE IMPROVING INDOOR AIR QUALITY**

Capture Harmful Gases in Datacenters

The PFU-Mobile is a self-contained, movable unit that recirculates the air in datacenters. As the air passes through PureAir's 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.

PFU-Mobile

The PFU-Mobile has low energy consumption, is quite, and installation is a snap in existing server cabinets, plugging into standard electrical sockets. Each unit provides protection for up to 500 m² (5,000 ft²). Airflow is variable, controllable up to 1,700 CMH (1,000 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 ANSI/ISA S-71 environmental standard for protecting electronics.

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Specifications

FEATURES

- MERV 8 (G4) Dust Prefilter
- 113 liters (4 ft³) of PureAir gas adsorbent media in low pressure holding frames
- MERV 13 (F8) Dust Final Filter
- Available with 110-230V and 50/60 V options
- Differential pressure gauges to indicate dust filter changes
- Low energy consumption -0.7 kW
- Nominal noise
- Each unit provide protection for up to 500 m² (5,000 ft²)
- Variable control of airflow up to 1700 CMH (1000 CFM)
- Low EMF brushless AC blower motor

Unit Sizing

Air Quality*	Room Air Volume
G2	1,200 m ³ (40,000 ft ³)
G3	600 m ³ (20,000 ft ³)
GX	300 m ³ (10,000 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 critical hardware:

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



Complete the protection - pair with the Electronic Corrosivity Monitor (ECMv2)

The PFU-Mobile also works in tandem with the ECMv2, which verifies that ANSI/ISA air quality standards are being met.

Together, the PFU-Mobile and the ECMv2 ensure datacenter assets are protected and will provide the most reliable service.

Depending on space requirements, consider PureAir's full line of PFU units.

Corrosion Test Kits for Lab Analysis

PureAir offers Corrosion Test Kits, that measure the air quality in datacenters to ANSI/ISA standards. The test kit is hung in the datacenter for 30 days and then returned to PureAir for analysis by certified laboratory technicians. If unsure that an environment is harmful to hardware, this should be the first step. Please note that the kit only measures corrosive gases and is not meant to verify indoor air quality levels for datacenter personnel.

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