

Packaged Filter Units

PFU Mini & PFU-Mobile



The Packaged Filter Units (PFU-Mini/Mobile) are engineered to provide air purification for multiple applications in industrial and commercial facilities. The PFU-Mini and PFU-Mobile are compact, vertical, self-contained units that plug into standard electrical outlets making them ideal for areas with tight space restrictions.

Each unit draws in polluted air from the bottom, then passes it through PureAir's chemisorbant media where it is chemically adsorbed and permanently removed. The purified air released from the top helps cool servers and other equipment while protecting sensitive electronics from corrosive and odorous gases.

Constructed from powdered-coated mild steel, these lightweight units are mounted on casters for easy mobility.

PureAir's equipment removes over 99% of harmful gases, reducing the risk of damage to electrical components and IT equipment, unplanned downtimes, and data loss.



MODEL	MEDIA CAPACITY	ELECTRICAL REQUIREMENTS	MOTOR SIZE HP (KW)	MAX AIRFLOW CMH (CFM)	ROOM SIZING BY MODEL AND AIR QUALITY LEVEL *		
					G2	G3	GX
PFU-Mini (Mobile, Plug In, On Casters, (8) 18" Plastic Cylinders)	.037 m ³ (1.3 ft ³)	120V/60Hz Standard 230V/50Hz Optional	0.5 (0.3)	850 (500)	600 m ³ (20,000 ft ³)	300 m ³ (10,000 ft ³)	150 m ³ (5,000 ft ³)
PFU-Mobile (Mobile, Plug In, On Casters, (16) 24" Plastic Cylinders)	0.1 m ³ (3.52 ft ³)	120V/60Hz Standard 230V/50Hz Optional	1 (0.7)	1,700 (1,000)	1,200 m ³ (40,000 ft ³)	600 m ³ (20,000 ft ³)	300 m ³ (10,000 ft ³)

*Based upon ISA S71.4 or ASHRAE TC9.9 recommendations that state the need to maintain G1 air quality to protect valuable electronics

+1 678.935.1431 | Toll Free: 866.543.7479

www.PureAirFiltration.com | 6050 Peachtree Pkwy, Suite 240-187, Atlanta, GA, 30092 USA

BENEFITS	FEATURES
Powerful and Compact	<ul style="list-style-type: none"> Vertical, stand-alone, portable airflow systems Minimal noise 850 - 1,700 CMH (500 - 1,000 CFM)
Highest Filtration Efficiency	<ul style="list-style-type: none"> Positive seal to prevent air bypass and ensure removal of unwanted gas molecules Low EMF brushless AC blower motor Integral particulate filters Variable control of airflow
Quick Access, Low Maintenance	<ul style="list-style-type: none"> Front door opens giving access to internal elements for easy media changeout and maintenance Low energy consumption Standard differential pressure gauges to indicate filter changes
Multiple Applications	<ul style="list-style-type: none"> Protect critical electronics and IT equipment Prevent data loss Improve air quality Commercial and industrial odor control



The PFU-Mini offers a standard configuration:

Protecting Critical Electronics
MERV 8 (G4) Particulate 2" Prefilter
.037 m ³ (1.3 ft ³) of PureAir's chemisorbant media in (8) 18" Plastic Cylinders
MERV 14 (F8) Particulate 2" Final Filter

The PFU-Mobile offers a standard configuration:

Protecting Critical Electronics
MERV 8 (G4) Particulate 2" Prefilter
0.1 m ³ (3.52 ft ³) of PureAir's chemisorbant media in (16) 24" Plastic Cylinders
MERV 14 (F8) Particulate 4" Final Filter

Notable Customers:

- Baltimore WWTP
- Capex Pine Bluff
- Des Moines WRF
- Domtar Paper Company
- EMBA Corp Limited
- Graphic Packaging
- International Paper Pine Hill
- Meezan Bank
- NESCOPE Technologies
- Red Dog Mine
- Sinclair Refinery
- Smurfit Westrock

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