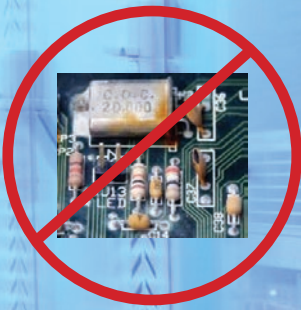


# Data Center Applications

**PureAIR**  
FILTRATION



## DON'T RISK DATA LOSS

### Improve indoor air quality & protect electronics from corrosive pollutants

Pollution from urban and industrial processing facilities can contain gases that quickly corrode metals, including copper and silver, which make up the circuitry of computers. If not removed, these gases can corrode computer equipment, causing server failure and potential data loss. These costly scenarios can be prevented by monitoring levels of pollutants and filtering them as necessary.

#### Testing Air Quality for Corrosive Pollutants

Commonly occurring gases in urban environments include hydrogen sulfide, Sulphur oxides, and nitric oxides which even at small levels, are particularly corrosive to copper and silver metals in computer circuitry, especially over periods of time. PureAir offers two ways to test air quality...

The Coupon Test is a traditional way to test air quality against the (ISA-71.04-2013). The Coupon is hung in the designated environment for 30 days, and then the Coupon is removed and sent to PureAir's laboratory. The corrosion on the copper and silver is measured to tell what type of gases and the volume of gases in the target environment. From there, Pure Air can design a solution to remove corrosive gases and protect electronics.

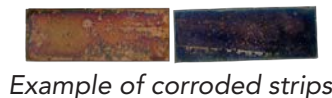
#### Electronic Corrosivity Monitor



Looking for constant and rapid results for detection of deterioration? PureAir's Electronic Corrosivity Monitor (ECM) is the traditional corrosion coupon in electronic form! Details and benefits of the tool are below:

- Live results of environment surveillance to detect corrosion of copper and silver
- SD card data storage
- Ethernet connection
- Easy Installation
- Long service life
- Affordable price
- WiFi and MODBUS capability

#### Coupon Testing



Example of corroded strips

New Coupon without Corrosion

#### Notable Customers:

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

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Let PureAir design a solution to remove corrosive gases and protect your data by preventing server failure. PureAir's combined equipment and adsorbent media can remove over 99% of gases that could cause harm to computer equipment. Depending on other building and customer requirements, PureAir can design a system to fit the need. The Packaged Filter Unit and Side Access Housing Units, special media formulation for Data Center applications based on the proven CPS Blend that is engineered to remove ambient air pollutants from automobile traffic and factory exhaust, are the most common solutions for Data Center applications.

## Self-Contained, Compact Solution

## Quick Access, Low Maintenance



PureAir's Packed Filter Unit (PFU) comes in 3 models with maximum airflow at 1,700, 3,400, or 5,100 CMH (1,000, 2,000, or 3,000 CFM).

- Provides air purification for multiple applications in industrial and commercial facilities, specializing in protecting critical electronics from hardware failure.
- Also does odor control and improving indoor air quality.
- These stand alone, vertical airflow units are also highly efficient and quiet.
- The PFU-Mobile and PFU-Mini are the most compact sizes that are also on wheels to provide easy filtration to any area. This model can plug directly into the wall.

PureAir's Side Access Housing (SAH) system provides compact horizontal airflow that can handle between 850 and 67,960 CMH (500 and 40,000 CFM).

- Used in facilities to protect critical electronics from hardware failure.
- Also does commercial odor control and improving indoor air quality.
- System is known by its quick access doors which allow a low maintenance and easy media changeout.
- Our most customizable system, offering up to 3 media passes, redundant blowers, and an array of sizes, and configurations.

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