

## PRODUCT BULLETIN

# PURAFIL CORROSIVE AIR SYSTEM

### **The Purafil Corrosive Air System (CA)**

is a self-contained air purification system designed to recirculate and clean air within controlled environments containing sensitive computer or electronic equipment. Designed to stand alone, it can also be used in conjunction with Purafil's Positive Pressurization Unit. The CA system is designed to filter room air to maintain low corrosive gas levels in industrial environments, such as pulp and paper mills, petrochemical plants, refineries, steel mills, and smelting plants as well as other process industries.

**Provides Corrosion-free Air:** Purafil's CA system supplies corrosion-free air to a controlled environment. The level of air cleanliness meets or exceeds established industry standards, such as the Instrumentation, Systems and Automation Society's S71.04-1985. This level of protection conforms with the warranty requirements of most computer and instrument manufacturers.

**Self Contained Recirculation System:** The CA system is a self-contained air purification system, designed to recirculate and clean interior room air inside a protected space. The CA system contains four stages of contamination control, and offers optional gage units to read filter particulate pressure differential. Openings to accept air from other Purafil pressurization systems are available in the CA system.

**Targets Specific Gases:** The CA system is configured with two separate passes of media. This allows a user to choose different filtration medias for targeted contaminant gas removal. Purafil manufactures medias, each of which are uniquely effective against specific gases.

**System Design Flexibility:** The CA system is available in four horizontal and four vertical configurations, ranging from 500 CFM to 4,000 CFM. The flexibility of the CA system design allows for a solution to be tailored to meet particular air filtration needs and requirements.



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### Standard Features:

- Full charge of granular media or PuraGRID® filters manufactured by Purafil.
- Direct Drive Fan
- Variable Frequency Drive
- Inlet and outlet grilles
- Vibration isolation for quiet operation
- 0.1 IWG external static (saturated filters)
- Particulate filter
- Grey polyurethane finish
- Painted Cold-Rolled Steel Construction

### Optional Features:

- Aluminum or stainless steel housing
- Special motors
- Openings for connection to Purafil PPU unit
- Floor casters (vertical unit only)
- Additional sound insulation for occupied spaces
- Weatherproofing (horizontal unit only)
- Gage units to read particulate filter pressure differential
- Additional external static
- Reverse airflow in vertical units(upward)