

## PRODUCT BULLETIN

# TUB SCRUBBER SYSTEM FOR CORROSION

**The Purafil Tub Scrubber System (TSS)** provides clean air—free of corrosive gases and particulates—into environments housing sensitive electronics and electrical equipment. The TSS is a cost-effective means of preventing damage caused by corrosive gases typically found in industrial settings. A three-foot-deep media bed makes the TSS particularly effective in high contaminant areas. Pulp and paper mills, refineries, steel mills, smelters, chemical and petrochemical plants worldwide use this single-bed system to solve corrosion problems.

**Provides Corrosion-Free Air:** The Tub Scrubber's fundamental design provides three feet of media depth in a single media bed to scrub high levels of gaseous contaminants from the air stream. In accordance with industry standards for controlled environments set by the International Society of Automation (ISA-71.04- 2013), the Tub Scrubber provides "G1" class air to pressurize control rooms and motor control centers. This conforms with the warranty requirements of most computer and instrument manufacturers.

**Low Maintenance:** The Tub Scrubber is designed for years of low-maintenance service. The Scrubber's three foot media bed is designed for long service (typically one year or longer), and media changeout is simple and fast. The TSS is constructed of non corrosive fiberglass. The filters, blower section, and media bed are designed to be easily accessible.

**System Flexibility:** Systems are available from 500 up to 6000 CFM, offering equipment flexibility to meet specific design requirements.

**Local Service:** Purafil's network of local representatives offer convenient and timely service. Purafil's representatives are professionals who can provide in-depth technical assistance and a comprehensive service program. Additionally, each Tub Scrubber System is fully supported by Purafil's laboratory services which include media life analysis and corrosion classification coupon testing - all aimed at ensuring on-going system integrity.



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### Standard Features:

- Full charge of media manufactured by Purafil
- Three-foot media bed depth
- Fiberglass construction vessel
- 1.0 iwg (249 Pa.) external static pressure
- Prefilter (30% efficient per ASHRAE Standard 52-76)
- High efficiency JFL-90 final filter, preceded by a 30% efficiency pre-final filter
- Externally mounted, enclosed blower system
- Top and side manways
- Skid mounted

### Optional Features:

- CFM gage, room pressure gage and housing
- Particulate pre and final filter gages and housing (Mounted to unit or seperately)
- Rainlouver with birdscreen for inlet
- Stainless steel construction

### Other System Advantages:

- System media are UL Classified
- Media is landfill disposable in accordance with local, state and federal guidelines.
- Lower operating horsepower and pressure drop than activated carbon-only systems
- System is corrosion-resistant and suited for outdoor applications