

# PRODUCT BULLETIN

## 4 THE PURAFIL TUB SCRUBBER SYSTEM



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.



PURAFIL TUB SCRUBBER SYSTEM

### SYSTEM ADVANTAGES:

**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 Instrumentation, Systems and Automation Society (ISA-S71.04-1985), 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. A damper control allows adjustment of pressurization air so that the room is not over-pressurized where conditioned air can be lost due to leakage.

**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 your specific design requirements.

**LOCAL SERVICE:** Purafil's network of local representatives offer you convenient and timely service. Purafil's representatives are professionals who can provide in-depth technical assis-

tance 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 ongoing system integrity.

### STANDARD FEATURES:

- Full charge of media manufactured by Purafil, Inc.
- Three-foot media bed depth
- Constructed of fiberglass
- 1.0 iwg (249 Pa.) external static pressure
- Easily accessible fill port and clean-out port
- 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
- Damper controlled air inlet
- Prefilter housing for blowthrough system

### OPTIONAL FEATURES:

- Air Measuring Station, CFM gage, room pressure gage and housing (shipped separately for field installation)
- Particulate pre and final filter gages and housing
- Other media choices are available
- Rainlouver with birdscreen for inlet