

PRODUCT BULLETIN 4 THE PURAFIL ESD VESSEL SCRUBBER



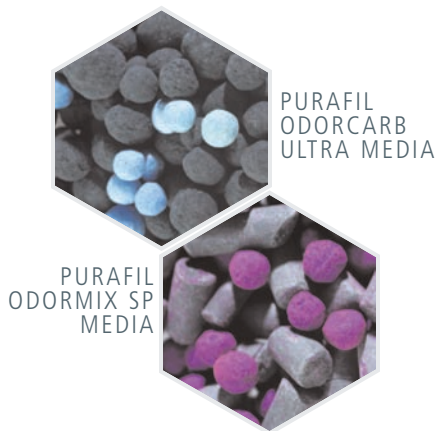
THE PURAFIL ESD VESSEL SCRUBBER (VS) removes high concentrations of odorous gases from large headworks, full treatment plants and large digesters. The VS is sized for airflows from 8,000 to 20,000 cfm and is available in single or dual media bed designs. In single bed designs, odors are drawn into the inlet plenum and through the media bed where contaminants are chemically removed. Dual bed scrubbers feature a split media bed, ideal for higher airflow applications. Treated air is discharged to the atmosphere through vertical stacks. Both designs offer 100% gas removal efficiency and ensure a partial vacuum throughout the treatment area.



THE PURAFIL ESD VESSEL SCRUBBER



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PURAFIL ODORCAB ULTRA MEDIA

PURAFIL ODORMIX SP MEDIA

SYSTEM ADVANTAGES:

PROVIDES ODOR-FREE AIR: The Vessel Scrubber features a deep vertical bed of Purafil ESD dry-scrubbing media. This deep bed design increases contaminant residence time, enabling media to withstand high gas challenge levels for extended periods of time. Purafil ESD systems are designed for 100% efficiency at any airflow.

COMPLETE GAS REMOVAL: The Vessel Scrubber features two Purafil ESD media for complete removal of odorous gases: Odorcab™ Ultra with Media Life Indicator Pellets (patent-pending), which offers a 47% removal capacity for hydrogen sulfide, and Odormix™ SP (patent-pending) media, for broad-spectrum removal of hydrogen sulfide, sulfur dioxide, mercaptans, hydrocarbons, aldehydes, and volatile organic compounds. Using these media in combination ensures that odors are removed to below odor thresholds.

SYSTEM SUPPORT: The Purafil ESD Vessel Scrubber is supported by Purafil laboratory services, which include media life analysis testing and immediate access to Purafil's technical staff.

LOCAL SERVICE: Purafil ESD's network of local representatives offers convenient and timely service. These factory-trained representatives work in conjunction with Purafil ESD's in-house laboratory to provide Media Life Analysis and other comprehensive technical services.

STANDARD FEATURES:

- Single-bed, fiberglass vessel
- Full charge of Odorcab™ Ultra with Media Life Indicator Pellets and Odormix™ SP media manufactured by Purafil ESD
- Media sampling ports on side and top of vessel
- Externally mounted, belt driven, FRP blower section

OPTIONAL FEATURES:

- Dual media bed design
- Air measuring station, CFM gage, room pressure gage and housing (shipped separately for field installation)
- Aluminum grating platform with railings and ladder

OTHER SYSTEM ADVANTAGES:

- System media are UL Classified Class 1 and 2
- Spent media are landfill disposable
- Maintains superior performance in climates with fluctuating temperature and relative humidity
- Blue Media Life Indicator Pellets offer a visual indication of remaining media life by changing to white when expired.