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PRODUCT BULLETIN

# DEEP BED SCRUBBER FOR ODOR



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**The Purafil Deep Bed Scrubber (DBS) For Odor**

removes high concentrations of odorous gases from screening rooms, small headworks, and large pump stations. It is also used to polish biofilter discharge air. The DBS is built-to-order and sized for airflows from 1,000 to 8,000 cfm. At the heart of the DBS is Purafil's dry-scrubbing media. The scrubber is designed for horizontal airflow and houses up to four vertical media stages for multiple gas challenges.

**Provides Odor-Free Air:** The Deep Bed Scrubber contains up to four, 12-inch deep, vertical media beds. This multi-bed design ensures extended contact time with odorous contaminants and the highest removal efficiency.

**Low Maintenance:** Each of the scrubber's vertical media beds can be replaced independently on an as-needed basis. This reduces maintenance time and saves in long-term media costs. Media change out is simple and fast. The blower section and media bed are designed to be easily accessible.

**Complete Gas Removal:** Purafil systems are designed for 100% efficiency at any airflow. Purafil offers a variety of dry-scrubbing media, each of which targets a specific gas or gaseous contaminant group. Complete gas removal is achieved by combining two or more media in successive stages.

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

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# WATER-WASTEWATER DEEP BED SCRUBBER

### Targeted Odors/Gases:

- Hydrogen sulfide
- Sulfur dioxide
- Mercaptans
- Aldehydes
- Organic compounds

### Standard Features:

- 3003 H14 aluminum construction
- Stainless steel hatches and hinges
- Mist eliminator/prefilter
- Up to four, 12-inch-deep (308 mm), vertical media beds
- Internally mounted, enclosed blower system
- Filter and blower side access doors
- Top access media fill chutes
- Side access media ports

### Optional Features:

- Double Wall construction
- Air measuring station, CFM gage, room pressure gage and housing (shipping separately for field installation)
- Maintains superior performance in climates with fluctuating temperature and relative humidity
- Lower operating horsepower and pressure drop than activated carbon-only systems

### Applications:

- Small Headworks
- Large Pump Stations
- Screening Rooms
- Biofilter discharge