
PRODUCT BULLETIN

DRUM SCRUBBER 100

The Purafil Drum Scrubber 100 (DS-100) is ideal for removal of odorous gases found at pump stations, lift stations, wet wells, force mains, and wastewater treatment plants. Recommended for low-load applications, the DS-100 is sized for airflows up to 100 cfm.

Construction: The DS-100's polyethylene canister measures 22 inches (55.9 cm) in diameter, 54 inches (132.16 cm) in height (including blower), and 1/4 inch (6.4 mm) in thickness.

Media: At the core of Purafil's high-efficiency odor control systems are dry-chemical air filtration media. The DS-100 is bulk filled with multiple layers of Odorcarb™ Ultra with Media Life Indicator Pellets and Odormix™ SP media for removal of sewage odors at 99.5+% efficiencies.

Applications: Pump Stations, Lift Stations, Aerobic Digesters, Wet Wells, Clarifiers, Force Mains, and Sludge Dewatering

Corrosion-Resistant Housing: The DS-100 is constructed of corrosion-resistant materials and requires essentially no maintenance, making it ideal for remote outdoor applications or areas where high levels of acid gases are present.

Low Maintenance: The DS-100 has only one moving part - a blower. Other than routine service checks, no maintenance is required to ensure maximum scrubber performance. The expected service life of the DS-100 is nine months to one year, depending on contaminant level.

Complete Gas Removal: Purafil's Odorcarb Ultra and Odormix SP media offer broad-spectrum removal of sewage odors. By using these media in combination, users are assured of complete odor control.

Quiet Operation: Designed for quiet operation in residential neighborhoods.

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 comprehensive technical service.



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Standard Features:

- Polyethylene canister
- Odorcarb Ultra with Media Life Indicator Pellets and Odormix SP media (5 ft3)
- Totally Enclosed Fan Cooled (TEFC) motor
- Aluminum blower
- Weatherproofed blower/motor assembly
- Adjustable damper (AL)
- Stainless steel and rubber latches
- Thermoplastic packing and FRP lid
- Fernco flexible coupling at inlet
- Polyethylene inlet (4-inch pipe diameter)
- 3 media sampling ports
- Airflows up to 100 cfm

Optional Features:

- Passive configuration
- Mist eliminator
- Silencer
- Available in FRP

Targeted Odors/Gases:

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

Other System Advantages:

- System media are UL Classified
- 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.