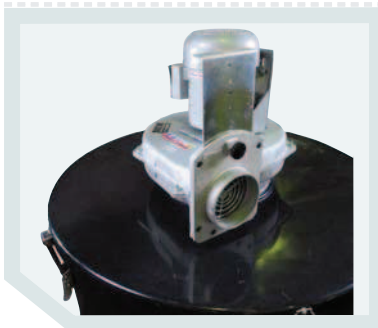


PRODUCT BULLETIN FOR THE PURAFIL DRUM SCRUBBER 300



THE PURAFIL DRUM SCRUBBER 300 (DS-300) is ideal for removal of odorous gases found at pump stations, lift stations, wet wells, force mains, and at the wastewater treatment plant itself. Recommended for low to moderate load applications, the DS-300 is sized for airflows up to 300 cfm.



CLOSE-UP OF BLOWER WITH
ADJUSTABLE DAMPER

CONSTRUCTION: The DS-300's polyethylene canister measures 31 inches (78.7 cm) in diameter, 66 inches (167.6 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-300 is bulk filled with multiple layers of Odorcarb™ Ultra with Media Life Indicator Pellets (patent-pending) and Odormix™ SP (patent-pending) media for removal of sewage odors at 99.5+% efficiencies.

APPLICATIONS:

- Pump Stations
- Lift Stations
- Wet Wells
- Force Mains
- Head Works
- Aerobic Digesters
- Clarifiers
- Sludge Dewatering

SYSTEM ADVANTAGES:

CORROSION-RESISTANT HOUSING: The DS-300 is constructed of corrosion-resistant materials and requires essentially no maintenance, making it ideal for remote applications or areas where high levels of acid gases are present.

LOW MAINTENANCE: The DS-300 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-300 is nine months to one year, depending on contaminant levels.

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: The DS-300 is 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.

MEDIA SAMPLING PORTS: Two media sampling ports, located on the side of the DS-300, allow for easy access to the media beds. When sampling the Odorcarb Ultra media, the blue Media Life Indicator Pellets will offer the user a visual indication of remaining media life by turning to white when expired. Samples of other media may be sent to Purafil's laboratory, where a complimentary Media Life Analysis is performed

to project remaining service life. Timely replacement of spent media is critical in preventing odor breakthrough.

STANDARD FEATURES:

- Linear, low-density, polyethylene canister (1/4-inch in thickness)
- Odorcarb Ultra with Media Life Indicator Pellets and Odormix SP media (10 ft³)
- Integrated motor housing
- Totally Enclosed Fan Cooled (TEFC) motor
- Aluminum blower/motor assembly
- Adjustable damper (AL)
- Stainless steel and rubber latches
- Stainless steel fasteners
- Thermoplastic packing and FRP lid
- Fernco flexible coupling at inlet
- Polyethylene inlet (8-inch pipe diameter)
- Airflows up to 300 cfm

OPTIONAL FEATURES:

- Rainhood
- Other Purafil media
- Passive configuration
- Mist eliminator
- Silencer

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.