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## 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 contains Odorcarb™ Ultra with Media Life Indicator Pellets and Odormix™ SP media for removal of sewage odors at 99.5+% efficiencies. These media are factory-packed in MediaSAKs™ - disposable mesh pouches - which can be easily lifted, discarded and replaced.

**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.

**Easy Media Replacement:** The MediaSAK, a standard feature of the DS-100, offers easy replacement of odor control media. Five MediaSAKs are layered vertically within the scrubber - three containing Odorcarb Ultra media and two containing Odormix SP. Installation and replacement is a one-person job. No tools are required.

**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.



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**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-100 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.

### Standard Features:

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

### Optional Features:

- Passive configuration
- Rainhood
- Mist eliminator
- Silencer

### 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.

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## PRODUCT BULLETIN

# 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 wastewater treatment plants. Recommended for low to moderate load applications, the DS-300 is sized for airflows up to 300 cfm.

**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 and Odormix™ SP media for removal of sewage odors at 99.5+% efficiencies.

**Applications:** Pump Station, Lift Stations, Aerobic Digesters, Wet Wells, Clarifiers, Force Mains, Sludge Dewatering, Head Works

**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 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:** The DS-300 is designed for quiet operation in residential neighborhoods.



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## PRODUCT BULLETIN

# DRUM SCRUBBER 300

**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:

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

### Optional Features:

- Passive configuration
- Rainhood
- Mist eliminator
- Silencer

### 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.

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## PRODUCT BULLETIN

# DRUM SCRUBBER 500

**The Purafil Drum Scrubber 500 (DS-500)** is ideal for removal of odorous gases found at pump stations, lift stations, wet wells, force mains, and wastewater treatment plants. Recommended for moderate-load applications, the DS-500 is sized for airflows up to 500 cfm.

**Construction:** The DS-500's polyethylene canister measures 36 inches (91.4 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-500 is bulk filled with multiple layers of Odorcarb™ Ultra with Media Life Indicator Pellets and Odormix™ SP media for broad-spectrum removal of sewage odors at 99.5+% efficiencies.

**Applications:** Pump Station, Lift Stations, Aerobic Digesters, Wet Wells, Clarifiers, Force Mains, Sludge Dewatering, Head Works

**Corrosion-Resistant Housing:** The DS-500 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-500 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-500 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:** The DS-500 is designed for quiet operation in residential neighborhoods.



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## PRODUCT BULLETIN

# DRUM SCRUBBER 500

**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-500, 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:

- Polyethylene canister(1/4-inch in thickness)
- Odorcarb Ultra with Media Life Indicator Pellets and Odormix SP media (17 ft<sup>3</sup>)
- Totally Enclosed Fan Cooled (TEFC) motor
- Aluminum blower/motor assembly
- Adjustable damper (AL)
- Stainless steel and rubber latches
- Thermoplastic packing and FRP lid
- Fernco flexible coupling at inlet
- Polyethylene inlet (8-inch pipe diameter)
- Airflows up to 500 cfm

### Optional Features:

- Passive configuration
- Rainhood
- Mist eliminator
- Silencer

### 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.

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## PRODUCT BULLETIN

# DRUM SCRUBBER 1000

**The Purafil Drum Scrubber 1000 (DS-1000)** is ideal for removal of odorous gases found at pump stations, lift stations, wet wells, force mains, and wastewater treatment plants. Recommended for moderate-load applications, the DS-1000 is sized for airflows up to 1000 cfm.

**Construction:** The DS-1000's polyethylene canister measures 52 inches (132.1 cm) in diameter, 79.5 inches (201.9 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-1000 is bulk filled with multiple layers of Odorcarb™ Ultra with Media Life Indicator Pellets and Odormix™ SP media for broad-spectrum removal of sewage odors at 99.5+% efficiencies.

**Applications:** Pump Station, Lift Stations, Aerobic Digesters, Wet Wells, Clarifiers, Force Mains, Sludge Dewatering, Head Works

**Corrosion-Resistant Housing:** The DS-1000 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-1000 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-1000 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:** The DS-1000 is designed for quiet operation in residential neighborhoods.



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## PRODUCT BULLETIN

# DRUM SCRUBBER 1000

**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-1000, 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:

- Polyethylene canister(1/4-inch in thickness)
- Odorcarb Ultra with Media Life Indicator Pellets and Odormix SP media (39 ft<sup>3</sup>)
- Totally Enclosed Fan Cooled (TEFC) motor
- Aluminum blower/motor assembly
- Adjustable damper (AL)
- Stainless steel and rubber latches
- Thermoplastic packing and FRP lid
- Fernco flexible coupling at inlet
- Polyethylene inlet (10-inch pipe diameter)
- Airflows up to 1000 cfm

### Optional Features:

- Passive configuration
- Rainhood
- Mist eliminator
- Silencer
- Airflows up to 1500 cfm with 5 hp motor

### 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.