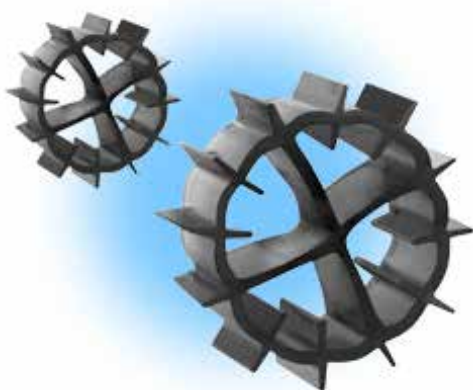


Bioflo



Bioflo has a circular shape with internal and external fins, offering a surface area of 800m²/m³.

The Bioflo is designed to provide a large protected surface area for the biofilm and optimal conditions for the bacteria culture when the media are suspended in water. A durable, rugged and highly efficient media for moving bed biological reactors (MBBR) and integrated fixed film activated sludge (IFAS) systems.

Its innovative design creates a high percentage of protected surface area for micro-organisms to adhere. In turn, this increases the overall biomass concentration and can reduce the tank volume required for wastewater treatment. Large openings allow for the wastewater to freely pass through the media which helps maintain a healthy and thin biofilm.

Technical Information

| | |
|----------------------|-------------------------------------|
| Material | Polypropylene* |
| Specific Gravity | 0.97 |
| Dimensions | 16.75 mmø x 10.50 mm |
| Surface Area | 800 m ² / m ³ |
| Voidage | 81% |
| Weight (dry) | 210 kg / m ³ |
| Weight (operational) | up to 477 kg / m ³ |
| Consolidation | 5 - 10% |
| Flow Direction | Non specific |

*Recycled polypropylene

Features

Warden's biological filter media are feasible for both industrial and municipal wastewater and are used for organic removal, nitrification and denitrification.

- Low weight
- Large active surface area
- Compact
- Flexible reactor design
- Easy upgrade of existing plants
- Excellent hydraulic permeability
- Durable/long life
- Easy to operate and control
- No replacement needed for operation time
- No clogging
- Random filter media
- High BOD5 reduction (up to 90%) and nitrification
- Extremely low operation costs, statistically 70% lower than operation costs of activated sludge
- Low capital, low installation, operating and maintenance costs
- Energy-efficient, self-managing process
- Corrosion and UV resistant components
- Internal flow stabilization (minimizes impact of flow variations)
- Nutrient removal easily added to the process chain

Bioflo

Suitable Applications

Bioflo caters for MBBR industrial and municipal treatment plants where extreme surface area is important. Like Biopipe, it is also designed for use in aquatic applications ranging from garden fishponds to large tanks.

- Private houses and small communities
- Service stations, restaurants and public houses
- Rural schools, hospitals, care homes for the elderly
- Camping sites, farms
- Organic industrial effluents
- Municipal wastewater treatment plant
- Industrial wastewater treatment plant

For random biological filter media - from the largest municipal sewage treatment plant down to a garden fishpond - Warden Biomedica has you covered, with the experience and knowledge to assist you in selecting of the right filter media for your application. Contact us today to see how we can work for you.



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