

bioFAS™ B-460

Maximize your wastewater treatment efficiency with bioFAS™ B-460 Biomass Carriers. Specially designed for MBBR systems, these carriers facilitate a self-sloughing, auto-regulating biofilm treatment process, ideal for enhancing the capacity of existing activated sludge systems.

Introduction

The bioFAS™ B-460 MBBR media is engineered for optimal performance in moving bed biofilm reactor systems. These carriers are adept at providing an efficient, self-regulating biofilm treatment process.

They are versatile enough for use in both single-pass MBBR treatment processes and as an enhancement to existing activated sludge systems through the Integrated Fixed-film Activated Sludge (IFAS) process. This adaptability makes them a valuable asset in various wastewater treatment scenarios.



PROCESS APPLICATIONS AND EXPANSIONS


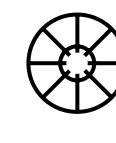
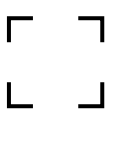


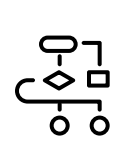

- ✓ BOD Reduction
- ✓ Nitrification of Ammonia
- ✓ Denitrification
- ✓ Minimum fill ratio of 25% v/v
- ✓ Can be increased up to 75% v/v with additional air supply



Specifications

- Nominal Diameter: 20.5 mm (0.81 inches)
- Nominal Length: 15.75 mm (0.625 inches)
- Specific Gravity: 0.96 – 0.97
- Internal Protected Surface Area: 402 m²/m³ (122 ft²/ft³)
- Active Surface Area: 460 m²/m³ (139 ft²/ft³)
- Nominal Weight: 289 lbs/m³ (8.2 lbs/ft³)
- Materials of Construction: High-density polyethylene

BENEFITS

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Efficient Biofilm Treatment Process | 
Versatile for MBBR and IFAS Systems | 
High Surface Area for Enhanced Treatment | 
Easy to Transport and Install | 
Durable Construction |
| 
Suitable for Various Wastewater Treatments | 
Adaptable for System Expansion | | | |