



## bioFAS™ MBBR Bioreactors

The bioprocessH2O bioFAS™ Moving Bed Biofilm Reactor (MBBR) Systems are commonly applied to industrial applications for the pretreatment of organic bearing wastewater streams. The bioFAS™ MBBR systems are modular and can also be effectively integrated with existing industrial and municipal treatment systems to provide for additional BOD removal or nutrient removal including nitrification and denitrification. The bioFAS™ MBBR systems are high rate compact biofilm systems that are simple to operate and resilient to toxic shock loads.

- **Compact Footprint**
- **Low Power Consumption**
- **Ease of operation**
- **Modular Design**
- **Ease of Future Expansion**
- **Ideal for High Loads**
- **Responds to Load Fluctuations**
- **Resilient to Toxic Shock**

bioFAS B-460 Biomass Carriers	SI Units	US Units
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 m <sup>2</sup> /m <sup>3</sup>	122 ft <sup>2</sup> /ft <sup>3</sup>
Active Surface Area	460 m <sup>2</sup> /m <sup>3</sup>	139 ft <sup>2</sup> /ft <sup>3</sup>
Nominal Weight	289 lbs/m <sup>3</sup>	8.2 lbs/ft <sup>3</sup>
Materials of Construction	High density polyethylene	



**bioprocessH2O**  
Valuing Water



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