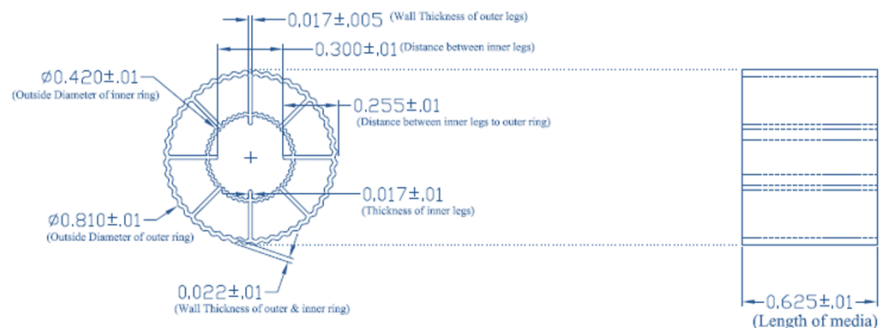




BioFAS™ MBBR Biomass Carriers Valuing Water™

Model Number: bioFAS B-460

The bioFAS B-402 MBBR media is for application in moving bed biofilm reactor (MBBR) systems for the provision of a self-sloughing, auto-regulating attached growth biofilm treatment process. The carriers can be used for a single pass MBBR treatment process or in increase the effective capacity of existing activated sludge systems as an Integrated Fixed-film Activated Sludge (IFAS) process.



Process Applications include:

- BOD Reduction
- Nitrification of Ammonia
- Denitrification

The biofilm carriers can be loaded into complete mixed bioreactors at a minimum fill ratio of 25% v/v to the overall working volume of the tank. Future expansion of bioFAS MBBR capacity can be achieved by addition biomass carriers up to 75% v/v and increasing the air supply.

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 ² /m ³	122 ft ² /ft ³
Active Surface Area	460 m ² /m ³	139 ft ² /ft ³
Nominal Weight	289 lbs/m ³	8.2 lbs/ft ³
Materials of Construction	High density polyethylene	

The bioFAS B-460 Biofilm Carriers are supplied in 1 m³ super sacks and shipped on pallets for ease of transportation. The carriers can be loaded into basins and tanks via a fork truck or a crane.