

ACTIVECELL[®]

MBBR / IFAS WASTEWATER TREATMENT

With a variety of surface areas available, ActiveCell media offers the ultimate flexibility for application customization and effluent quality control.

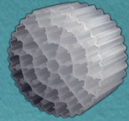

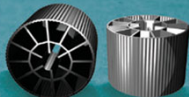
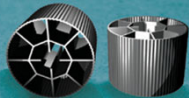
Features

- High-density biofilm support design
- Large surface area to volume ratio
- Non-fouling, plug-resistant cell geometry
- Contains ultraviolet inhibitors, thermal stabilizers, and black colorant
- Optimal specific gravity
- Excellent structural integrity

End-User Benefits

- High-rate, reliable biological wastewater treatment performance
- Excellent hydrodynamics and mass transfer efficiency
- Dense fixed-film population of highly adapted microorganisms
- Long-life operation with high resistance to corrosion and UV light
- Low mixing energy requirement
- Easy to install, store, or transfer

MEDIA SPECIFICATIONS

Media	Protected Area	Total Area	Diameter	Depth	Specific Gravity	Material
 AC 1200	800 m ² /m ³ 243 f ² /f ³	1200 m ² /m ³ 365 f ² /f ³	25 mm 0.99 in	12 mm 0.47 in	0.94-0.98	HDPE
 AC 920	680 m ² /m ³ 207 f ² /f ³	920 m ² /m ³ 280 f ² /f ³	13 mm X 13 mm 0.51 in x 0.51 in	13 mm 0.51 in		
 AC 515	485 m ² /m ³ 148 f ² /f ³	515 m ² /m ³ 158 f ² /f ³	22 mm 0.87 in	16 mm 0.63 in		
 AC 450	402 m ² /m ³ 122 f ² /f ³	450 m ² /m ³ 137 f ² /f ³	21 mm 0.83 in	16 mm 0.63 in		

Materials of Construction

Constructed of high-density polyethylene (HDPE), ActiveCell media offers long-life operation with resistance to damage from handling, corrosion, pH fluctuations, and stability over a wide temperature range. HDPE material is cost effective, non-toxic to bacteria, and non-reactive in most biological wastewater treatment applications.

Ultraviolet (UV) light inhibitors are added during the manufacturing of ActiveCell media. Black colorant can also be added to the HDPE, giving ActiveCell media a solid black appearance that results in less light penetrating the internal protected surface area of the carrier. This increases the growth of beneficial bacteria and prevents algae growth that could otherwise contribute to plugging of internal cells.

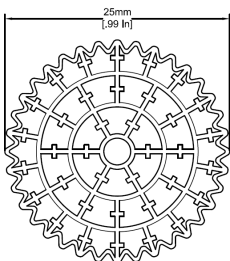
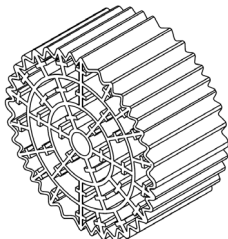
Manufacturing and Quality Control

The ActiveCell media manufacturing process consists of documented procedures that ensure the end product complies with technical and performance specifications. Product quality is managed through rigorous quality programs which ensure that the end product complies with Headworks BIO's standards. Certificate of Conformity or Material Certificates are available upon request.

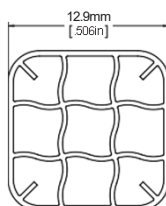
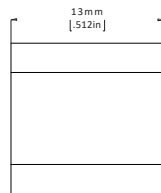
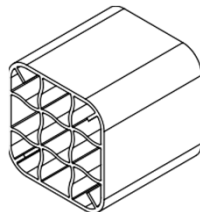
Packaging and Shipping Options

Packaging	Polypropylene fabric bulk bag with top chute opening; four top mounted lifting straps (located at corners) and bottom 14 inch round chute with double tie fastener.
Package Size and Shipping Method	SuperSack bag: containing a 1m ³ (35 ft ³) volume of ActiveCell media. Typically used for smaller jobs.
	MAX-SACK bag containing a 2.5 or 2.7m ³ (88 or 95 ft ³) volume of ActiveCell media. Typically used for large jobs and shipped by 40ft Regular container.
	MAX-SACK bag containing a 2.85 m ³ (100 ft ³) volume of ActiveCell media. Typically used for large jobs and shipped by truck.

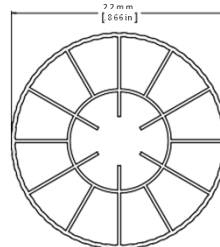
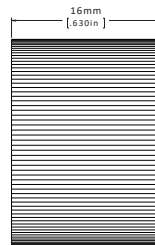
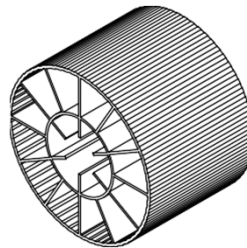
AC 1200



AC 920



AC 515



AC 450

