BIOFILL115

RANDOMLY PACKED TRICKLING FILTER MEDIA

BioFill115 randomly packed trickling filter media provides a high specific surface area for biofilm growth. As water trickles through the biofilter, organic and inorganic material is consumed by a population of microorganisms that form on the surface of the media. The media is resistant to a wide range of aqueous solutions, acids, alkalis, oxidizing agents, oils, fats and alcohol.

FEATURES

- High-Density Biofilm Growth
- Large Surface Area to Volume Ratio
- Robust Structural Integrity
- Up to 6 Meter Filter Depth
- UV Inhibitor Capability
- Injection Molded

BENEFITS

- Dense Fixed-Film Population of Resilient and Adaptive Microorganisms
- Open Architecture Limits Potential for Plugging
- Void Space Provides Optimal Oxygen Circulation Throughout the Filter
- Long Life Cycle with Resistance to Corrosion
- Easy to Install
- Cost Effective Treatment Option for New Build and Retrofit Applications

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SPECIFICATIONS

Diameter	**160 mm**	**6.3 inches**
Weight/Piece	**85 g**	**3 oz**
Surface Area	**115 m2/m3**	**35 ft2/ft3**
Pieces/Cubic Meter	**460**	
Compression	**370 kg/m3**	**23 lb/ft^3**
Void Space	**> 96%**	
Material	**Polypropylene**	

PACKAGING

Packaging	Polypropylene fabric bags with top opening, four top mounted lifting straps (located on corners) and bottom draw string chute with fasterners
Package Size & Weight	Each BioFill115 media bag contains 1 m^3 (35.3 ft^3) and weighs approximately 86 lbs (39 kg)
Shipping & Offloading	Bags are stacked two high on standard 4x4 ft pallets. Media is shipped on enclosed or flat bed trailers. Forklift or large lifting machine required for offloading.

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MATERIALS OF CONSTRUCTION

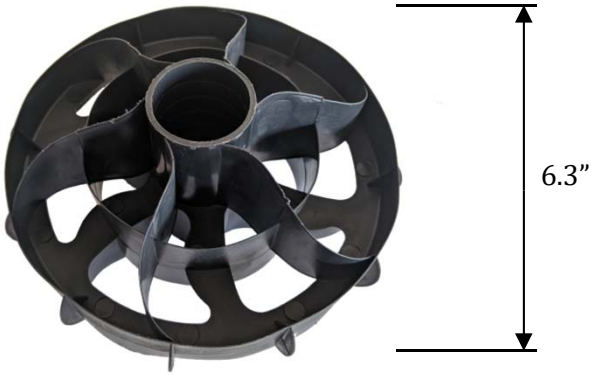
AquaPoint's BioFill115 trickling filter media is manufactured from polypropylene and is designed for long life operation with resistance to damage from handling, pH fluctuation, corrosion and a wide temperature range. Polypropylene is a cost effective, durable, non-toxic material which makes it ideal for wastewater treatment applications. UV inhibitors may be compounded with the material during production to provide protection from UV degradation.

CHARACTERISTICS

AquaPoint trickling filter media is designed for the most productive surface area per unit volume while maintaining sufficient open space to promote oxygen transfer and drainage of water and sloughed biosolids. The high void space in the randomly packed bed limits potential for plugging.

Each piece of media has a geometric configuration as depicted. The middle and outer cylinders are connected by six radial vanes that protrude out from a hollow central cylinder.

Guidelines for handling and installing AquaPoint trickling filter media are available from AquaPoint and must be followed by the contractor and operator to prevent damage during installation and maintenance.



APPLICATIONS

- Trickling Filters
- Retrofits
- Roughing Reactors
- Multi-Staged Treatment for Enhanced Bio-Kinetics
- BOD / COD / TOC Reduction
- Ammonia Removal / Nitrification
- Denitrification

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