



# BIO-PAC SF#30 media for trickling filters, submerged beds and anaerobic reactors

Bio-Pac SF#30  
Trickling Filter Media

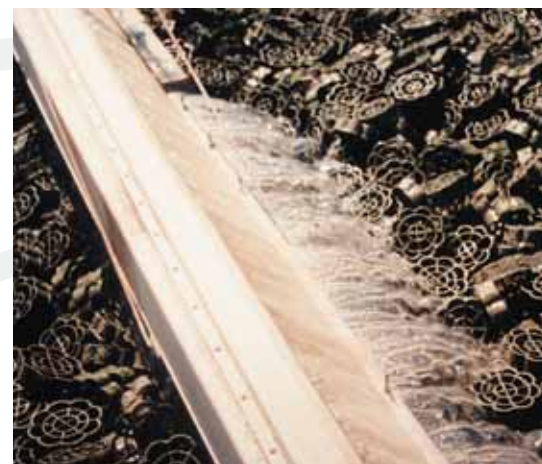


Bio-Pac SF#30 is ideally suited for either replacing rock in existing trickling filters to improve treatment plant performance or for installation in new trickling filters.



## Media Characteristics:

- 30 ft<sup>2</sup>/ft<sup>3</sup> surface area
- 95% void ratio
- Manufactured of UV stabilized polypropylene
- Low installation cost
- Excellent for BOD reduction or nitrification
- Low minimum wetting rate, 150 gpd/ft<sup>2</sup>
- For bed depths up to 30 ft.



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**Locations/Production Sites**  
Ludwigshafen and  
Espenhain, Germany  
Houston, Texas  
El Dorado, Kansas  
Monterrey, Mexico

Bio-Pac SF#30 random dump media is successfully operating in over 100 trickling filters. With over 300 mixing and redistribution points for both air and water per cubic foot of media, Bio-Pac is capable of redistributing wastewater every 2" of media depth. This feature makes Bio-Pac ideal for shallow trickling filters.

Bio-Pac SF#30 has also been used extensively in upflow anaerobic and aerobic submerged bed reactors. Since the media floats, use of an underdrain support is eliminated. Furthermore, Bio-Pac's unique shape

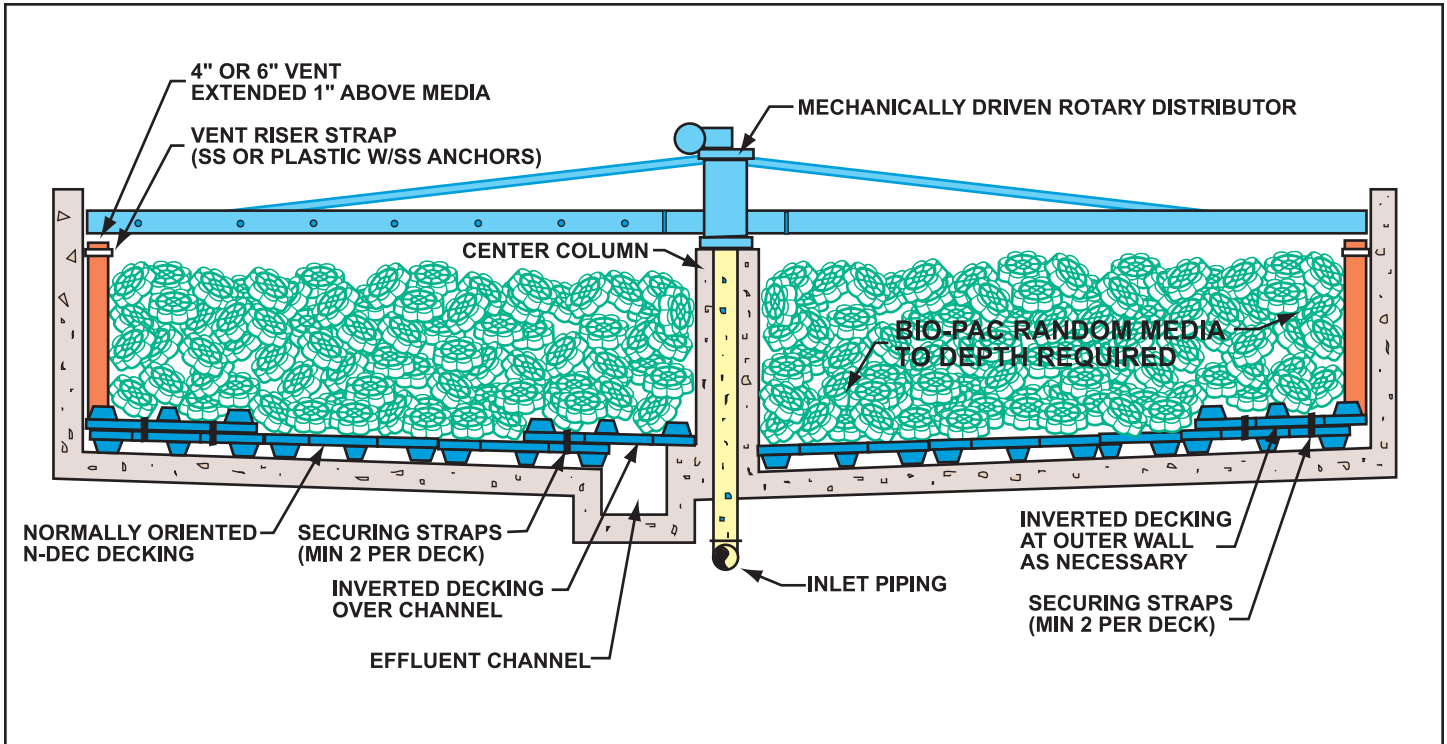
serves as a foam breaker when installed in anaerobic reactors.

Jaeger Environmental has been manufacturing trickling filter media since 1979 and has hundreds of installations worldwide.

In addition to the Bio-Pac SF#30 random media, Jaeger Environmental offers several styles of structured media.

For further information, or to discuss your application, please contact Jaeger via phone, fax or e-mail.

# Typical Bio-Pac SF#30 Trickling Filter Section

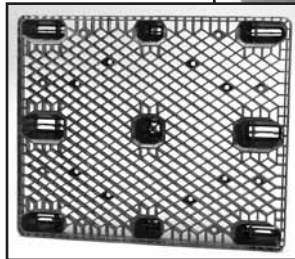
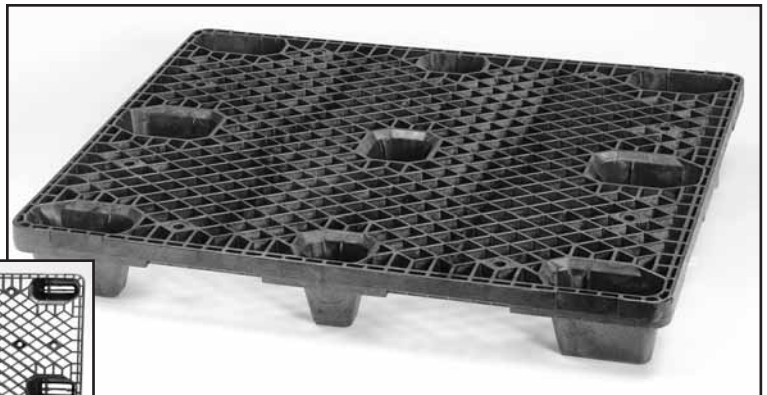


## N-Dec Random Media Underdrain

N-Dec is manufactured of HDPE including carbon black to minimize ultra-violet degradation. The panels are strong and light weight, but flexible enough to allow self contouring to variations in the trickling filter floor.

Having a 62% open area, N-Dec will provide un-impeded passage of air, wastewater, biomass and solids, virtually eliminating the risk of ponding or blockage.

Each panel includes 9 intrinsic equally spaced legs. Each leg measures 6 1/4 inches high, allowing space for treated effluent and air.



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