



# KONTAKT®

High Performance Carrier Elements for  
MBBR and IFAS Processes

- ▶ Innovative design for increased biomass concentration, helping reduce tank volume required for wastewater treatment
- ▶ Cost effective solution for retrofitting existing treatment systems
- ▶ Inexpensive alternative media for new plants and as replacement media for existing systems

We are **Raschig USA** and we supply media for biological treatment systems for industrial and municipal water and wastewater treatment facilities around the world.

**Call us today to discuss fixed film solutions for your project!**



**Kontakt 500**



Fixed Film Technology  
for Wastewater Treatment

## KONTAKT®

High Performance Carrier Elements for  
MBBR and IFAS Processes

### Innovative and Highly Effective Design

A key component to the MBBR (Moving Bed Biological Reactor) and IFAS (Integrated Fixed-Film/Activated Sludge) processes is the efficiency of the reactor media or carrier element.

Kontakt is a lightweight, durable, rugged and highly efficient media ideal for new MBBR and IFAS systems or for replacement of media or carrier elements in existing systems. Kontakt is added to aeration tanks and retained by a separation device. Diffused aeration systems and/or low energy mechanical mixers usually achieve sufficient agitation of the media.

Kontakt's innovative design allows the media to freely move throughout the bioreactor and provides a high percentage of protected surface area for microorganisms to adhere. In turn, this allows for an increase in the overall biomass concentration which can reduce the tank volume required for wastewater treatment. Wastewater can pass freely through the large openings of the media which helps maintain a healthy and thin biofilm.

#### KONTAKT 500

MEDIA CHARACTERISTICS:

- ▶ 0.8" diameter (20.3mm)
- ▶ Length optional: ¼" - 1" (6.4 - 25.4mm)
- ▶ Dry shipping weight (approximate): 9 lbs/ft<sup>3</sup> (144 kg/m<sup>3</sup>)
- ▶ Total surface area: 500 m<sup>2</sup>/m<sup>3</sup> (152 ft<sup>2</sup>/ft<sup>3</sup>)
- ▶ Protected surface area: 371 m<sup>2</sup>/m<sup>3</sup> (113 ft<sup>2</sup>/ft<sup>3</sup>)
- ▶ Available with or without UV inhibitors

Let us help you with your municipal or industrial wastewater application. Our other products include three different types of trickling filter media:

- **SESSIL**, our unique continuous vertical strip media
- **BIO-PAC SF30**, random dump media
- **DURA-PAC**, PVC modular sheet media.



*Kontakt 500's open internal design provides a significant protected surface area for biomass to adhere.*

#### KEY BENEFITS

### Ideal for MBBR and IFAS Applications

- ▶ Manufactured of durable high density polyethylene
- ▶ Lightweight with a variable specific gravity from 0.93 to over 1.05 for HDPE material
- ▶ Provides a large protected surface area
- ▶ Open internal design resists clogging
- ▶ Long lasting, economical, and easy to ship and install
- ▶ Easily upgrade overloaded aerated basins or A/S plants by adding Kontakt and minor system upgrades
- ▶ Eliminate sludge recycling
- ▶ Cost effective solution for retrofitting existing treatment systems
- ▶ Inexpensive alternative media for new plants

#### KONTAKT 650

MEDIA CHARACTERISTICS:

- ▶ 1" diameter x ¼" long (25.4mm x 6.4mm)
- ▶ Dry shipping weight (approximate): 7.5 lbs/ft<sup>3</sup> (119 kg/m<sup>3</sup>)
- ▶ Total surface area: 650 m<sup>2</sup>/m<sup>3</sup> (198 ft<sup>2</sup>/ft<sup>3</sup>)
- ▶ Protected surface area: 550 m<sup>2</sup>/m<sup>3</sup> (168 ft<sup>2</sup>/ft<sup>3</sup>)
- ▶ Available with or without UV inhibitors

**Contact us today to review your project application and find out how we can be of service to you.**

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