

# COUGAR COATINGS Estd. 1988 WASTEWATER DIVISION

Supplying unique solutions for the water and waste water industry



## BIO-BLOK® INTELLIGENT FIXED FILM BIOLOGICAL FILTER MEDIA

### Technical Specifications – BIO-BLOK® 300

*Product:* Type BIO-BLOK® 300 (300 m<sup>2</sup>/m<sup>3</sup>).

Produced by EXPO-NET Danmark A/S.

*Raw material:* Polyethylene that is a 100% recyclable material.

*Filter form:* Constructed of 7 x 15 net tubes that are subsequently welded together in the tube ends so that the filter becomes a cubical block.

*Standard dimensions:* Approx. 55.0 (+/-1.0cm) x 25 (+/-0.5cm) x 55 (+/-0.5cm)  
The BIO-BLOK® units are available in heights (length of block tubes) from 40 to 70cm.

*Specific surface:* 300 m<sup>2</sup>/m<sup>3</sup> in dry condition. Depending on the thickness of the biofilm, the accessible biological surface varies from 300 m<sup>2</sup>/m<sup>3</sup> to approx. 560 m<sup>2</sup>/m<sup>3</sup>.

<i>Horizontal free flow area:</i>	Approx. 49%
<i>Vertical free flow area:</i>	Approx. 10 %
<i>Void percentage:</i>	Approx. 83 %
<i>Net weight:</i>	Approx. 100 kg/m <sup>3</sup>
<i>Uplift pressure without biofilm coating:</i>	Approx. 67 kg/m <sup>3</sup>
<i>Density:</i> Approx.	0.6 gr./cm <sup>3</sup>

*Maximum vertical evenly distributed load:* Approx. 5,000 kg/m<sup>2</sup> (please ask our technical department).

*Working weight:* Depends on the working form of the wastewater treatment plant. Organic decomposition or nitrification.

*Maximum temperature:* 80° C.

*Average diameter of the vertical passages is:* Inside approx. Ø 22 mm



VAT Registration Number 491201374

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