

**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>.

*Horizontal free flow area:* Approx. 49%

*Vertical free flow area:* Approx. 10 %

*Void percentage:* Approx. 83 %

*Net weight:* Approx. 100 kg/m<sup>3</sup>

*Uplift pressure without biofilm coating:* Approx. 67 kg/m<sup>3</sup>

*Density:* 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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