

# 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® 150

*Product:* Type BIO-BLOK® 150 (150 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 10 x 10 net tubes that are subsequently welded together in the tube ends so that the filter becomes a cubical block.

*Standard dimensions:* Approx. 55 x 55 x 55 cm.  
The BIO-BLOK® units are available in heights (length of block tubes) from 45 to 75cm.

*Specific surface:* 150 m<sup>2</sup>/m<sup>3</sup> in dry condition. Depending on the thickness of the biofilm, the accessible biological surface varies from 150 m<sup>2</sup>/m<sup>3</sup> to approx. 507 m<sup>2</sup>/m<sup>3</sup>.

*Horizontal free flow area:* Approx. 74 %

*Vertical free flow area:* Approx. 19 %

*Void percentage:* Approx. 88 %

*Net weight:* Approx. 69 kg/m<sup>3</sup>

*Uplift pressure without biofilm coating:* Approx. 69 kg/m<sup>3</sup>

*Density:* Approx. 0.55 gr./cm<sup>3</sup>

*Maximum vertical evenly distributed load:* Approx. 4,000 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 45 mm



VAT Registration Number 491201374

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