

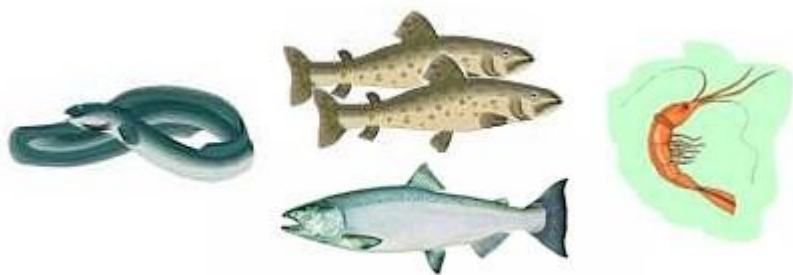
# COUGAR COATINGS Estd. 1988 WASTEWATER DIVISION

Supplying unique solutions for the water and waste water industry



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

### 3.1.1. Treatment Plants in Aquaculture



The biological treatment is a vital element for all fish farms with recirculation of water. Today various solutions such as submerged, aerated filters or trickling filters are used in this process. Common to all systems is the necessity to ensure a high decomposition of ammonia - a condition of high productivity and sound economy.

The BIO-BLOK®, developed by EXPO-NET Danmark A/S, is a well-tested product that has proved to be very efficient in the bacteriological treatment of water from aquaculture plants.

#### EXPO-NET's BIO-BLOK® is suitable for:

- Trickling filters, to treat and at the same time oxygenate and aerate (by removing the CO<sub>2</sub>) the waste water.
- Submerged, aerated filters, easily installed also in existing tanks to increase efficiency and capacity.
- Oxygenation of water.



VAT Registration Number 491201374

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- Available with different areas of surface (100, 150 and 200 m<sup>2</sup> surface per m<sup>3</sup> BIO-BLOK®). The total surface is accessible to bacteria and it is porous so that the bacteria can settle fast and easy.  
Also in case of occurrence of toxins in the water (chemicals, oil or the like), the full activity of the BIO-BLOK® is quickly re-established.
- Self-cleaning (the surplus bacteria are washed off during the normal operation).

<b>Technical specifications of BIO-BLOK®</b>				
<b>Type of filter media</b>	<b>BIO-BLOK® 100</b>	<b>BIO-BLOK® 150</b>	<b>BIO-BLOK® 200</b>	<b>BIO-BLOK® 300</b>
Specific surface (m <sup>2</sup> /m <sup>3</sup> ) (approx.)	100	150	200	300
Area of flow (approx.)	70%	64%	60%	50%
Percentage of hollow space (approx.)	90%	88%	82%	65%
Tube diameter	70mm	55mm	55mm	30mm
Standard module form	54x54x55cm	55x55x55xcm	55x55x55cm	Loose tubes

*The surface measurements have been calculated by the producer. Alterations in process, material and structure may slightly change the figures above (by up to 10%). Above filter media are available with densities of approx. 0.5 and 0.95.*

BIO-BLOK® 100, BIO-BLOK® 150 and BIO-BLOK® 200 are available in heights (lengths of block tubes) from 45cm to 75cm.

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