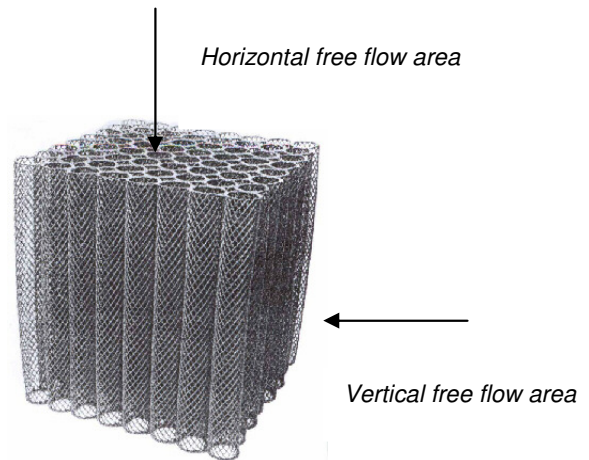


Technical Specifications – BIO-BLOK[®] 80 HD G

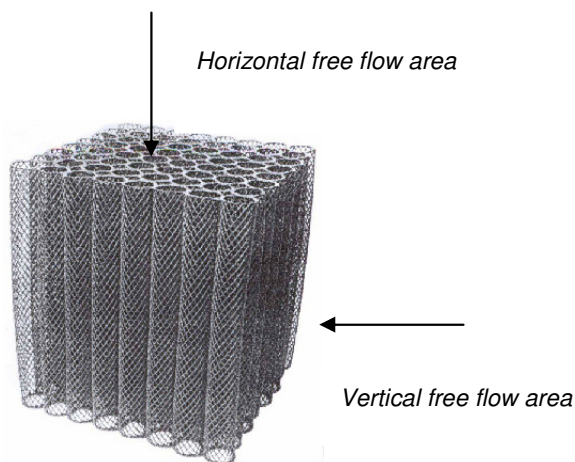
- Product:** Type BIO-BLOK[®] 80 HD G (80 m²/m³).
Produced by EXPO-NET Danmark A/S.
- Raw material:** Polyethylene that is a 100% recyclable material.
- Filter form:** Constructed of 8 x 8 net tubes that are subsequently welded together in the tube ends so that the filter becomes a cubical block.
- Standard dimensions:** Approx. 54 x 54 x 55 cm.

The BIO-BLOK[®] units are available in heights (length of block tubes) from 45 to 75cm.
- Specific surface:** 80 m²/m³ in dry condition. Depending on the thickness of the biofilm, the accessible biological surface varies from 80 m²/m³ to approx. 366 m²/m³.
- Horizontal free flow area:** Approx. 70 %
- Vertical free flow area:** Approx. 24 %
- Void percentage:** Approx. 95 %
- Net weight:** Approx. 60 kg/m³
- Uplift pressure without biofilm coating:** Approx. 5 kg/m³
- Density:** Approx. 0.93 gr./cm³
- Maximum vertical evenly distributed load:** Approx. 1,000 kg/m² (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 63 mm



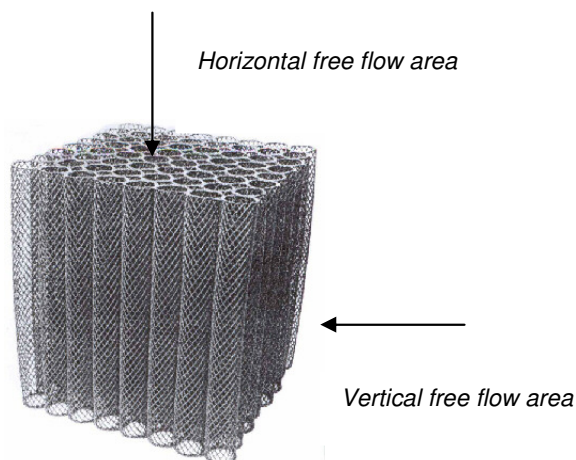
Technical Specifications – BIO-BLOK[®] 100

<i>Product:</i>	Type BIO-BLOK [®] 100 (100 m ² /m ³). Produced by EXPO-NET Danmark A/S.
<i>Raw material:</i>	Polyethylene that is a 100% recyclable material.
<i>Filter form:</i>	Constructed of 8 x 8 net tubes that are subsequently welded together in the tube ends so that the filter becomes a cubical block.
<i>Standard dimensions:</i>	Approx. 54 x 54 x 55 cm. The BIO-BLOK [®] units are available in heights (length of block tubes) from 45 to 75cm.
<i>Specific surface:</i>	100 m ² /m ³ in dry condition. Depending on the thickness of the biofilm, the accessible biological surface varies from 100 m ² /m ³ to approx. 336 m ² /m ³ .
<i>Horizontal free flow area:</i>	Approx. 70 %
<i>Vertical free flow area:</i>	Approx. 22 %
<i>Void percentage:</i>	Approx. 90 %
<i>Net weight:</i>	Approx. 38 kg/m ³
<i>Uplift pressure without biofilm coating:</i>	Approx. 62 kg/m ³
<i>Density:</i>	Approx. 0.55 gr./cm ³
<i>Maximum vertical evenly distributed load:</i>	Approx. 1,000 kg/m ² (please ask our technical department).
<i>Working weight:</i>	Depends on the working form of the wastewater treatment plant. Organic decomposition or nitrification.
<i>Maximum temperature:</i>	80° C.
<i>Average diameter of the vertical passages is:</i>	Inside approx. Ø 65 mm



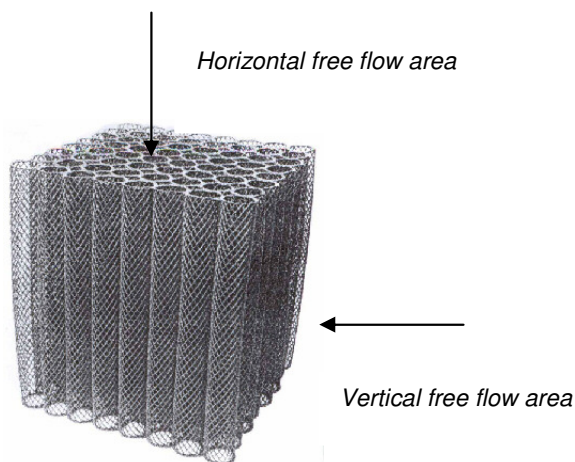
Technical Specifications – BIO-BLOK[®] 150

<i>Product:</i>	Type BIO-BLOK [®] 150 (150 m ² /m ³). Produced by EXPO-NET Danmark A/S.
<i>Raw material:</i>	Polyethylene that is a 100% recyclable material.
<i>Filter form:</i>	Constructed of 10 x 10 net tubes that are subsequently welded together in the tube ends so that the filter becomes a cubical block.
<i>Standard dimensions:</i>	Approx. 55 x 55 x 55 cm. The BIO-BLOK [®] units are available in heights (length of block tubes) from 45 to 75cm.
<i>Specific surface:</i>	150 m ² /m ³ in dry condition. Depending on the thickness of the biofilm, the accessible biological surface varies from 150 m ² /m ³ to approx. 507 m ² /m ³ .
<i>Horizontal free flow area:</i>	Approx. 74 %
<i>Vertical free flow area:</i>	Approx. 19 %
<i>Void percentage:</i>	Approx. 88 %
<i>Net weight:</i>	Approx. 51 kg/m ³
<i>Uplift pressure without biofilm coating:</i>	Approx. 69 kg/m ³
<i>Density:</i>	Approx. 0.55 gr./cm ³
<i>Maximum vertical evenly distributed load:</i>	Approx. 4,000 kg/m ² (please ask our technical department).
<i>Working weight:</i>	Depends on the working form of the wastewater treatment plant. Organic decomposition or nitrification.
<i>Maximum temperature:</i>	80° C.
<i>Average diameter of the vertical passages is:</i>	Inside approx. Ø 45 mm



Technical Specifications – BIO-BLOK[®] 200

<i>Product:</i>	Type BIO-BLOK [®] 200 (200 m ² /m ³). Produced by EXPO-NET Danmark A/S.
<i>Raw material:</i>	Polyethylene that is a 100% recyclable material.
<i>Filter form:</i>	Constructed of 10 x 10 net tubes that are subsequently welded together in the tube ends so that the filter becomes a cubical block.
<i>Standard dimensions:</i>	Approx. 55 x 55 x 55 cm. The BIO-BLOK [®] units are available in heights (length of block tubes) from 45 to 75cm.
<i>Specific surface:</i>	200 m ² /m ³ in dry condition. Depending on the thickness of the biofilm, the accessible biological surface varies from 200 m ² /m ³ to approx. 426 m ² /m ³ .
<i>Horizontal free flow area:</i>	Approx. 64 %
<i>Vertical free flow area:</i>	Approx. 15 %
<i>Void percentage:</i>	Approx. 82 %
<i>Net weight:</i>	Approx. 60 kg/m ³
<i>Uplift pressure without biofilm coating:</i>	Approx. 120 kg/m ³
<i>Density:</i>	Approx. 0.55 gr./cm ³
<i>Maximum vertical evenly distributed load:</i>	Approx. 5,000 kg/m ² (please ask our technical department).
<i>Working weight:</i>	Depends on the working form of the wastewater treatment plant. Organic decomposition or nitrification.
<i>Maximum temperature:</i>	80° C.
<i>Average diameter of the vertical passages is:</i>	Inside approx. Ø 45 mm



Technical Specifications – BIO-BLOK[®] 300

<i>Product:</i>	Type BIO-BLOK [®] 300 (300 m ² /m ³). Produced by EXPO-NET Danmark A/S.
<i>Raw material:</i>	Polyethylene that is a 100% recyclable material.
<i>Filter form:</i>	Constructed of 7 x 15 net tubes that are subsequently welded together in the “sides” of the tube so that the filter becomes a cubical block.
<i>Standard dimensions:</i>	Approx. 55.0 (+/- 1.0 cm) x 25 (+/- 0.5 cm) x 55 cm (+/- 0.5 cm). The BIO-BLOK [®] units are available in heights (length of block tubes) from 40 to 70cm.
<i>Specific surface:</i>	300 m ² /m ³ in dry condition. Depending on the thickness of the biofilm, the accessible biological surface varies from 300 m ² /m ³ to approx. 560 m ² /m ³ .
<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 ³
<i>Uplift pressure without biofilm coating:</i>	Approx. 67 kg/m ³
<i>Density:</i>	Approx. 0.6 gr./cm ³
<i>Maximum vertical evenly distributed load:</i>	Approx. 5,000 kg/m ² (please ask our technical department).
<i>Working weight:</i>	Depends on the working form of the wastewater treatment plant. Organic decomposition or nitrification.
<i>Maximum temperature:</i>	80° C.
<i>Average diameter of the vertical passages is:</i>	Inside approx. Ø 22 mm

