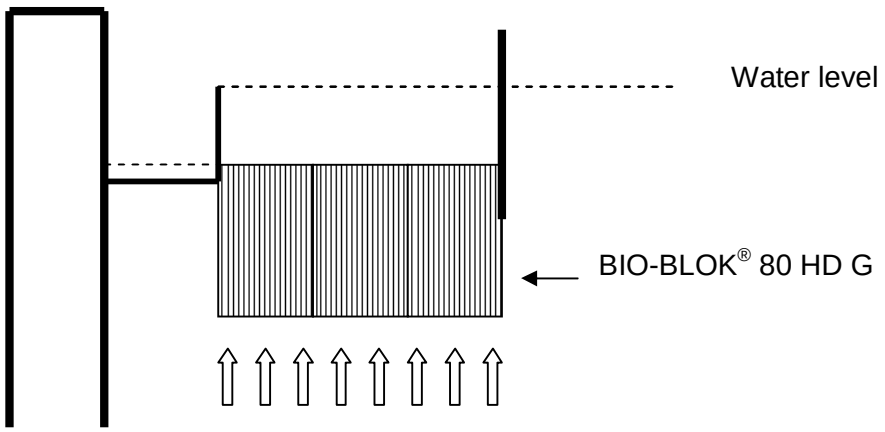
BIO-BLOK® INTELLIGENT FIXED FILM BIOLOGICAL FILTER MEDIA

Test of biological lamella sedimentation



V= < 5 m/h

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Conclusions:

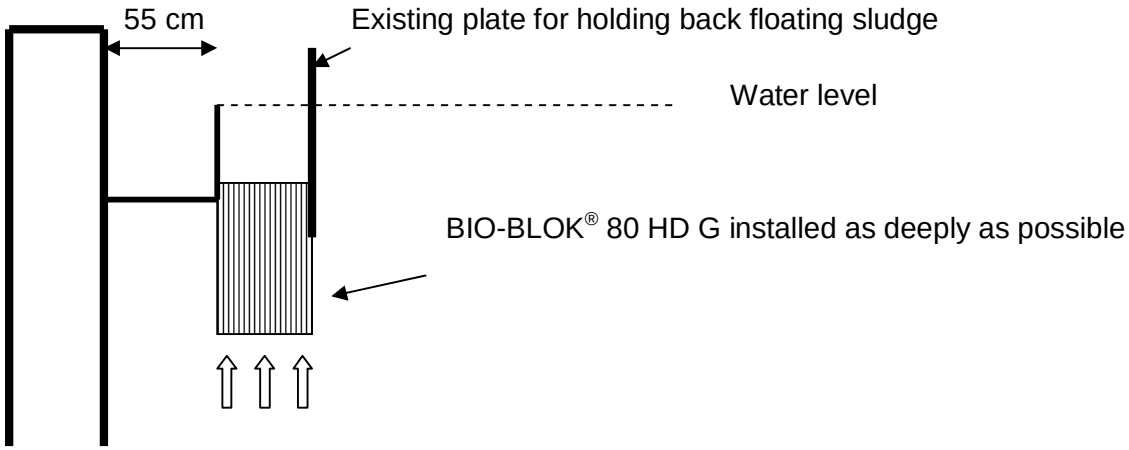
Based on analyses and many observations, the following can be concluded:

- BIO-BLOK® 80 HD G is the best suited filter media type for biological lamella sedimentation.
- Effluent values of SS, COD and Total N can be reduced (reduction of public expenses etc.).
- Efficiency depends on the hydraulic surface load.
- Optimal surface load is approx. 5 m/h.
- BIO-BLOK® 80 HD G does not clog.

During testing heavy growth of filamentous algae on the BIO-BLOK® filter media was occasionally established. This growth had no negative influence on the efficiency.

In order to counteract the establishment of filamentous algae, BIO-BLOK® 80 HD G should be installed so deep that most possible shadow effect is achieved.

Please look at the drawing below!



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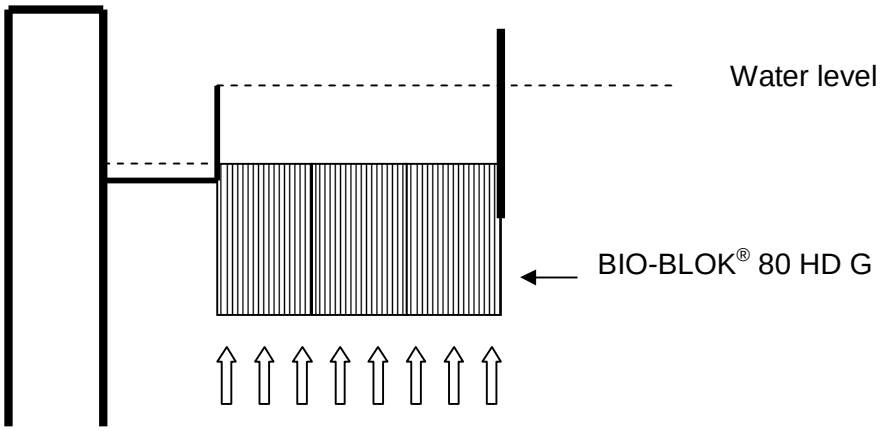
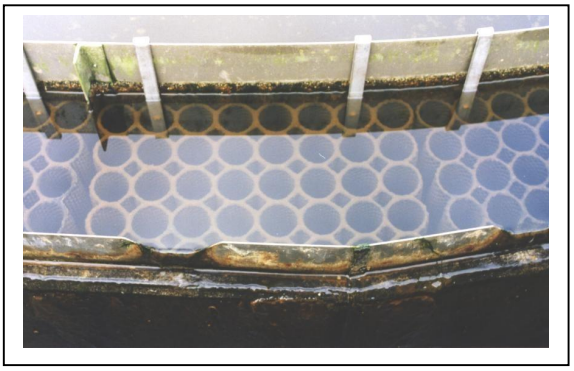
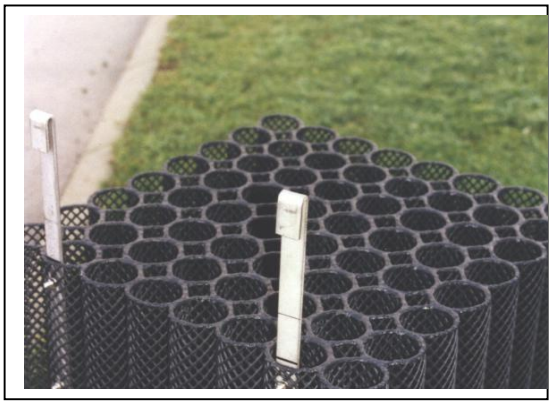
Example of installation with BIO-BLOK® 80 HD G

A width of three BIO-BLOK® standard units (approx. 165 cm) ensures optimal hydraulic conditions.







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