

BIO SAM

The Biofilter BioSam wastewater treatment plant provides multi-stage biological purification process using fixed submerged aerated media(SAM). The system is well-suited to the treatment of domestic sewage from housing schemes, hotels, restaurants and amenity sites and is adaptable to staged projects and seasonal variations. With low maintenance requirements and power consumption the BioSam provides a cost effective answer to environmental pollution problems.

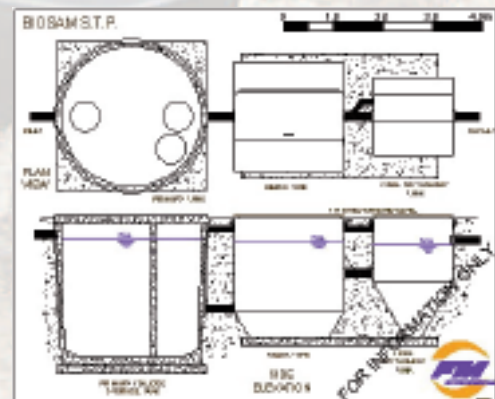
The Biofilter BioSam consists of a number of tanks (GRP &/or Concrete) providing primary settlement, biological treatment and final settlement. The tanks are suitably sized and baffled to promote good flow balancing, settlement of solids and sludge holding. The BioSam system can be designed to conduct tertiary treatment, denitrification and/or phosphate reduction to the levels expected by local authorities.

Main Advantages

- Easy installation
- Minimal civil works
- Modular construction for bespoke arrangements
- Temporary installation possible
- Nitrification / phosphate reduction on request
- Low running costs
- Competitively priced
- Backed with 30 years experience



Model (p.e.) [examples]	Ave. Flow [m3/day]	Organic Load [BOD5 kg/day]	Plan Area approx
BioSam 50	10	3	3m x 7m
BioSam 100	20	6	3m x 8m
BioSam 150	30	9	3m x 12m
BioSam 200	40	12	7m x 6m
BioSam 300	60	18	7m x 9m
BioSam 400	80	24	7m x 12m
BioSam customised (500 p.e. +)			



Designed in accordance with BS6297:1983, the BioSam Biofilter system meet consent standards of 20mg/l BOD5 and 30mg/l SS when appropriately operated and maintained. Careful consideration in the design has been given for easy and safe access to the plant components.



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