

FLOATING TRASH BARRIER

(Designed and Patent applied by AlphaMERS)



AlphaMERS Ltd has developed an indigenous design of floating trash barrier for controlling hyacinth and trash in flowing waters. The barrier is anchored to the bed and secured to the sides of the water body.

The trapped trash is brought to the riverbank utilising natural flow of water. Trash is easily removed by excavators placed on riverbank. Thus there is no operating costs except the excavator. Being a floating barrier, this design easily functions in changing water levels.

The barrier is customized by AlphaMERS design team for the site as per prevailing range of depths, speed of water flow, pH value of water, and profile of the bed.



How is the collected trash removed ? This collected trash automatically slides to the downstream end as the barrier is deployed diagonally across the water stream. This will cause the trapped trash to collect at the end of the barrier. The trash is thus easily accessible from the landside and is retrieved by excavators periodically, depending on the volume of trash collected. In case of water intakes, the trash is usually not removed from waterbody, but is only diverted away from intakes onto spillways using this floating barrier.



A manual weed collector - a very useful accessory where the water body is small. Often the hyacinth does not move easily because it is heavily interlocked or due to low water flow. This weed collector helps bring hyacinth within reach of the evacuator. Above image is of a manual weed collector. Mechanical version shall be soon available.

- ◆ AlphaMERS provides portable plant for improvement of water quality i.e filtration, circulation and aeration of water.
- ◆ AlphaMERS shall shortly provide 24 x 7 floating remote pollution monitoring and alerting stations.

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