

Floating Water Baffles

GEI Works manufactures floating baffle systems to order factoring in corrosion, water level fluctuation, flow design criteria, chemical properties and anticipated outcomes.

Product Summary

GEI Works' baffle curtain is a specialized structure used in wastewater treatment systems to control the flow of water and separate different zones within a treatment process. It is typically made of durable coated or laminated reinforced industrial materials with higher chemical, UV and marine growth inhibiting properties, and are designed to withstand the harsh conditions of wastewater environments. This allows for a larger active area and improved efficiency. The use of these reduces the Total Suspended Solids (TSS), improves overall water quality and assists industry comply with state and federal regulations for discharge and treatment of industrial wastewater.

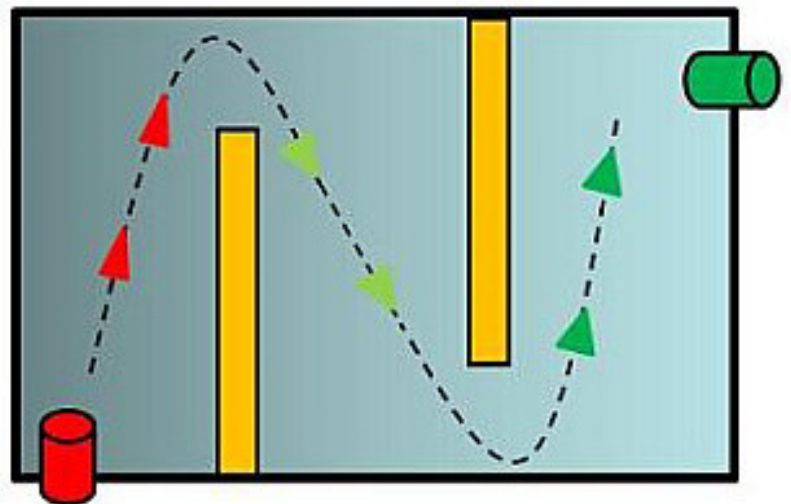


Features

- Reinforced Flow Through Windows
- Chemically Compatible Material Options
- Hook and Loop Options
- Stainless Steel Options
- Dual Tension Cables Available

Applications

- Wastewater Industry
- Treatment Facilities
- Power Plants
- Municipal Facilities
- Tank Storage
- Environmental Industry



Floating Water Baffle Specifications

Feature	Measure
Flotation	6" – 12" EPS or Closed Cell depending on chemical composition
Fabrics	Elvaloy, Polyurethane, Permanent Belting, PVC
Colors	Standard: Black Optional: Hi-Vis, Low-Vis, Red, Orange, Black, Green, Blue, Belting
Top Tension Cables	Built in below the flotation with cables secured to the end stress transfer plates. Opt. 5/16", 3/8", 1/2"
Bottom Ballast	Opt: Stainless Steel or HDG Chain Opt: 1/4", 5/16", 1/2", 3/8", 5/8"
End Connectors	ASTM Aluminum 'Z' Connectors or Optional Stainless Steel Connectors
Section Length	Site Specific
Skirt Depth	Up to 50' depth and configured to meet slope if required. Estimated at feet deep to the bottom of the waterway, with one or both ends tapered. (Contractor to verify bathymetry prior to manufacture). The depth and shape of the skirt is to be determined by the water depth and the bottom profile. The skirt depth shall exactly match the depth of the high water elevation. Ends sloped at 2:1, 3:1 or as specified.
Flow Area	Baffles can be designed with flow around ends or reinforced flow through windows in various locations depending on desired water flow pattern. Sized at max 30 gallons per square foot of opening per minute.
Anchoring	Tire or pyramid anchors or (kits for customer-supplied tire anchors) are recommended for all lined ponds, duck-bill anchors for ground anchoring, fluke anchors, pyramid. (Shore cable should be no more than 3' from concrete footer post/reservoir/high water elevation).
Accessories	Tow Bridles, Land or Pond anchors, Reefing lines, Repair Kits, Scour mats, bird deterrents, solar lights or buoys, ropes, dewatering bags or tubes.

