



Aquatic Plant and Debris Boom

Collect. Divert. Control.



Sargassum accumulation is an increasingly common sight for visitors and residents of the pristine beaches in the Caribbean and Gulf Coast. These shorelines share the common challenge of mitigating seaweed build-up but no two sites are the same. The [Orion Series of Booms](#) is designed to collect, divert and control surface waterborne pollutants and is an integral part of any aquatic debris mitigation plan.



GEI
WORKS

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Whether you're dealing with floating blankets of sargassum, hyacinth, duckweed, debris or trash, rely on [Orion Aquatic Plant and Debris Booms](#) as a powerful solution.

Control Invasive Plant Species and Debris

- Aquatic vegetation, including sargassum, water hyacinth, eel grass, milfoil, and duckweed.
- Debris, such as tree branches, sticks, and leaves.
- Marine water pollution, flotsam, and trash.

GEI Works offers custom barriers for specific plant and debris containment needs, such as ocean-based events (e.g., sargassum), facilities and construction projects, and natural events. Other applications include:

- Demarcation barriers
- Intake protection
- Swimming barriers
- Environmental protection barriers

The Orion Aquatic Plant and Debris Booms are strongly built, able to withstand extended use in almost any aquatic location. They are commonly used in marinas, ports, naval yards, repair areas, and docks.

Typical Features:

- PVC and/or urethane-coated belting
- Molded foam-filled polyethylene or closed cell foam flotation
- Galvanized bottom weights or chain
- Connectors: serrated heavy duty aluminum ASTM universal with zinc anodes

Our commitment to outstanding customer service includes custom design, quality engineering, installation support, and if necessary, dedicated logistical personnel.



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Algas Boom w/ Closed Cell Foam Floats & Steel Chain Ballast constructed using PVC and reinforced Belting. Multiple color choices are available.



Permanent Boom w/ Rotational Molded Foam-filled Shell & Steel Weights constructed with reinforced Belting. Black/Orange only.

Algas and Permanent Boom Specifications

Height	18"	24"	36"
Length	50' or 100'	50' or 100'	50' or 100'
Fabric	PVC and Urethane Coated Polyester Belting	PVC and Urethane Coated Polyester Belting	PVC and Urethane Coated Polyester Belting
Freeboard	Molded Foam-filled Polyethylene Shell or 4" Closed Cell Foam Float	Molded Foam-filled Polyethylene Shell or 4" Closed Cell Foam Float	Molded Foam-filled Polyethylene Shell or 6" Closed Cell Foam Float
Connectors	Heavy duty aluminum ASTM sliding connectors with Zinc Anodes. Stainless steel toggle pin assembly.	Heavy duty aluminum ASTM sliding connectors with Zinc Anodes. Stainless steel toggle pin assembly.	Heavy duty aluminum ASTM sliding connectors with Zinc Anodes. Stainless steel toggle pin assembly.
Ballast	Galvanized Steel Weights or Chain	Galvanized Steel Weights or Chain	Galvanized Steel Weights or Chain



21'' HD Boom Specifications

Fabric	35 oz. PVC - Mildew and UV resistant
Tensile Strength	ASTM D5034 741 lbs. x 696 lbs.
Section Lengths	50' or 100'
Freeboard	7"
Draft	13"
Dual Tension Cables	5/16" stainless steel 304
Ballast	3/8" galvanized chain
Connectors	Heavy duty aluminum ASTM sliding connectors with Zinc Anodes. Stainless steel toggle pin assembly.
Low Temp	ASTM D751 -40 degrees F

For more complete information on GEI Works products and solutions, visit us on the Web at www.geiworks.com.

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