

JFL Jellyfish & Litter Boom

BOOM FEATURES

- Contains macro plastics, jellyfish and marine litter on the surface and at water depths up to 30 m
- Collects threatening materials and organisms in a range of sizes, dependent on client requirements
- Utilizes a submerged, detachable net constructed of Polyamide nylon
- The net is permeable allowing water to proceed unhindered
- When the net is detached the boom can be used as a solid boom ideal for use in oil spill response operations



The Jellyfish and Litter Containment (JFL) Boom is a cost-effective, multi-purpose system that is designed to contain and collect jellyfish, marine garbage and floating or submerged pollutants in a variety of applications both on the surface and below water. The protection of valuable assets, both natural and man-made, has become paramount with the rising amount of plastics in the oceans. It has become increasingly necessary to protect resorts, shorelines, harbors, water intakes, fisheries and other facilities from debilitating factors including increasing populations of jellyfish, phenomena such as red plume, litter, pollution and seaweed.

- The permeable Polyamide nylon net attaches to the boom skirt extending the boom below the surface
- The on-water boom is manufactured from high visibility PVC coated PES fabric, fabricated with High Frequency Thermal Welding
- Cylindrical floats within the boom are made of closed-cell PET foam
- Enforced axial tension is provided by two tension members; enclosed PET webbing and a Hot-Dipped Galvanized (HDG) Chain
- The system can be deployed to contain oil spills or any other hazardous (solid, semi-solid and in some cases even liquid) pollutants
- In the case of the skirt becoming damaged it can be replaced independently without having to replace the whole boom
- Certified by the Greek National Laboratory as a non-toxic substance and is government approved by the Greek Ministry of Shipping

TECHNICAL SPECIFICATIONS

JFL Models	500C	920C
Surface Boom Fabric	PVC-coated Polyester	
Fabric Weight (gr/m ²)	750/1000	
Containment Net	Polyamide Net (Ø 7 - 15 mm)	
Net Draught (m)	Up to 30	
Boom Floats	Closed-Cell PET Foam	
Freeboard (mm)	200	300
Skirt Draught (mm)	300	620
Connectors	Stainless Steel U-bolts	
Section Length (m)	10 (custom options available)	
Color	Yellow and various fabric color options (high-visibility green, blue, etc.)	

STORAGE OPTIONS

- Hydraulic Reel
- Storage Crates
- Storage Rack
- Container
- Trailer

Net Deterrents

- Surface/Submerged Materials
- Jellyfish
- Marine Litter/Garbage
- Hydrocarbons
- Hazardous Materials
- Environmental Threats