

BARRACUDA boom



The containment boom « BARRACUDA » is intended to counteract the spread of hydrocarbon floating pollutions and is designed to be used on rivers and offshore.

It features independent floats made out of foam plates.

Those elements are extended to create a draft and are ballasted thanks to a chain covering the entire length of the boom.

BEHAVIOUR

The foams of the "BARRACUDA" boom are subdivided to make it flexible which allows it to be especially effective in areas subject to wave movements. It thus also retains its balanced position.

Those booms are designed to resist the marine environment, bad weather conditions and UV, as also high humidity.

This boom can be used in:

- Estuaries,
- Port areas,
- Coastal tidal waters,
- Rivers.



FLOAT

The float comprises watertight compartments with isolated closed cells polyethylene foam plates.

Each compartment is closed at its end by a high frequency welding.

The "Barracuda 420" model is equipped with rigid tubes fixed on both sides of the floats.

This system provides a superior buoyancy and higher stability which allows the boom to keep its upright position.

One boom segment is equipped with a handling point about every 2.5 meters making it easy to operate (data regarding a 25m section) Those handles are located on the ridge of the boom so they won't be soiled by the hydrocarbons in case of pollution.

The material used is a black polyester strap, 50mm wide, sewn between two foam plates.

Each of them has a 5 ton tensile strength.

SKIRT AND BALLAST

The float is extended by a draft.

The lower part is equipped with a hem onto which the eyelets are fixed.

The ballast chain is secured to the skirt using straps bolted to the eyelets.

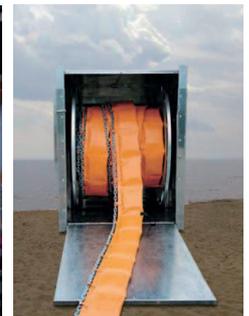
Those straps are made of polyurethane fabric for high abrasion resistance; they have an average breaking strength of 400 kg.

All bolts and nuts are made of stainless steel with stop nuts.

The ballast consists of a galvanized steel chain.

Tensile stresses are absorbed by the ballast chain which avoids tearing at the junction points when towing the boom.

CONNECTION SYSTEM



Each segment ends with a nylon cord encased in a welded hem.

The connectors are made of PA6 polyamide plates, 8mm thick and 60mm wide, with one pair located on the freeboard and one pair on the draft.

The connection plates have stainless steel 12 hex head screws, washers and stop nuts.

The ballast chain segments are interconnected by a hot dipped galvanized high resistance bow shackle.

As an option, the connection can be ASTM.



DEPLOYMENT

This boom can be used for a number of different operations:

- Closing off an area
- Containment of hydrocarbon spills
- Deviating hydrocarbon spillage

Deployment of the boom simply involves connecting them to the other elements, if required.

The boom can be delivered with a specially adapted and sized towing system featuring a tube and two tow bridles.

CLEANING -REPAIR

The boom has no points that will trap hydrocarbons and cleaning is to be performed using water and dispersants, after each use.

Repairs can be done by hot or cold gluing.

This lot is delivered with:

- 1 repair kit including :
 - 1 Glue pot
 - Fabric Patches
 - Sandpaper
- 1 set of spare parts including :
 - 1 Shackle
 - 20 attachment straps with the corresponding bolts and nuts
 - 1 connector

This set will come in a storage bag.

TECHNICAL DATA SHEET BARRACUDA BOOM

	Barracuda 150	Barracuda 200	Barracuda 300	Barracuda 420
Freeboard (mm)	150	200	300	420
Draught (mm)	330	350	400	580
Total height (mm)	480	630	780	1080
Colour	Orange	Orange	Orange	Orange
Fabric	PVC - PU - PUB (PVC/PU)	PVC or PU or PUB (PVC/PU)	PVC as per data sheet Ref : 2587, Polyurethane option as per data sheet-Ref. : 8575	PVC - PU - PUB (PVC/PU)
Foam	Closed cells polyethylene foam	Closed cells polyethylene (2,5 foam a ml)	Closed cells polyethylene (2,5 foam a ml)	Closed cells polyethylene (2,5 foam a ml)
Length per section (m)	10, 15 or 25 m	10, 15 or 25 m	10, 15 or 25 m	10, 15 or 25 m
Weight / ml (kg)	3,9	5	6,5	8,5
Volume (l/ml)	17.2	19	23,5	32,5
Ballast	Galvanized steel chain breaking 13T - Weight 3 kg / ml	Galvanized steel chain breaking 13T - Weight 3 kg / ml	Galvanized steel chain breaking 15T - Weight 4 kg / ml	Galvanized steel chain breaking 15T - Weight 5kg / ml
Chain connection	Galvanized HR clevis CMU 2T	Galvanized HR bow shackle WLL 3T25	Galvanized HR bow shackle WLL 3T25	Galvanized HR bow shackle WLL 3T25
Boom connection	PA6 60 mm Polyamide plate Thickness 8 mm - ASTM : Profiled aluminium as an option	PA6 60 mm Polyamide plate Thickness 8 mm - ASTM : Profiled aluminium as an option	PA6 Polyamide plate 60 mm Thickness 8 mm Profiled aluminium as an option	PA6 60 mm Polyamide plate Thickness 8 mm - ASTM : Profiled aluminium as an option
Handling point	Handle	Handle	Handle	Handle