

PRODUCT CATEGORY

OIL SPILL EQUIPMENT

APPLICATION

BOOM SELECTION & ASSESORIES

TECHNICAL INFORMATION



More information at WWW.ENVIROZONESB.COM

Enquiries: info@envirozonesb.com

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OVERVIEW

Fence booms are typically used in rivers, estuaries, harbours and coastlines. Flotation is provided by thick foam blocks (closed cell) which are 80cm to 1m long to provide flexibility, they are also less bulky than Curtain booms.

FEATURES

- Quick to set-up and easy to deploy
- Compact in storage
- PVC, PU (Polyurethane), Neoprene options available
- Steel galvanized chain ballast protected by a flange
- ASTM junction with fast connector

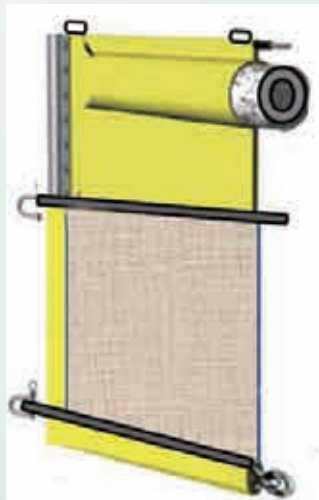
ACCESSORIES

- Reels from 100m to 500m capacity
- Towing end
- Anchor kit
- Storage rack

DIMENSIONS

Ref.	FB 300	FB 450	FB 650	FB 1000
Boom fabric	PVC or PU or Neoprene			
Boom colour	Orange – Yellow – Black			
Freeboard (mm)	100	150	250	350
Draft (mm)	200	300	400	650
Overall height (mm)	300	450	650	1000
Section length (m)	7.5 - 10 – 15 – 25			
Operational temperature (°C)	-20°C to 80°C			
Chemical resistance	Acids, alkalis, solvents & hydrocarbons			
Buoyancy to weight	2 : 1			
Packing Volume (m ³ /m)	0.25/25	0.35/25	0.90/25	1.20/25
Weight (kg/m)	1.8	2	2.8	3.7

Other sizes can be produced upon request



CURTAIN BOOMS OVERVIEW

Curtain booms can be used in rivers, estuaries, harbours or coastlines (slight sea). Flotation is provided by thick foam blocks with closed cells which are 80cm to 1m long to provide flexibility. Curtain booms have a higher buoyancy weight ratio than Fence booms, offering a better response to waves when being towed.

Curtain booms can be stored on reels or rack systems.

SILT BOOMS OVERVIEW

By changing the “skirt” (draft) of the boom to a geotextile it can be used to contain waste such as gravel, sediment etc. (2 to 10m depth)

Contact us to discuss your specific application.

FEATURES

- Quick to set-up and easy to deploy
- PVC, PU (Polyurethane), Neoprene options available
- Steel galvanized chain ballast protected by a flange
- ASTM junction with fast connectors

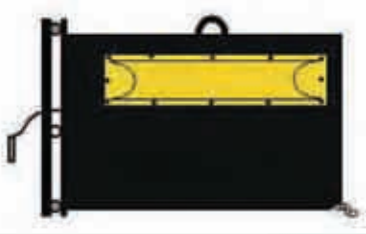
ACCESSORIES

- Reels from 60m to 300m capacity
- Towing end
- Anchor kit
- Storage rack

DIMENSIONS

Ref.	CB 250	CB 650	CB 900
Boom fabric	PVC or PU or Neoprene		
Boom colour	Orange – Yellow – Black		
Freeboard (mm)	100	250	300
Draft (mm)	150	400	600
Overall height (mm)	250	650	900
Section length (m)	7.5 - 10 – 15 – 25		
Operational temperature (°C)	-20°C to 80°C		
Chemical resistance	Acids, alkalis, solvents & hydrocarbons		
Buoyancy to weight	6 : 1		
Packing Volume (m³/m)	0.35/25	0.90/25	1.20/25
Weight (kg/m)	1.9	2.7	3.8

Other sizes can be produced upon request



OVERVIEW

Permanent booms are robust and hard-wearing with flotation provided by foam filled PEHD demi-spheres (35cm) or rectangular (80cm) floats to provide flexibility in the boom and they have a simple to attach/remove system ensuring easy float maintenance for cleaning or repair.

Permanent booms can contain both hydrocarbons and floating waste.

FEATURES

- Quick to set-up and easy to deploy
- Robust and hard-wearing
- PVC or natural rubber options available
- Steel galvanized chain ballast protected by a flange
- ASTM junction with fast connectors

ACCESSORIES

- Reels (only for the demi-spheric version)
- Towing end
- Anchor kit
- Storage rack

DIMENSIONS

Ref.	PB 300	PB 600	PB 750
Boom fabric	NR Rubber (>5mm)		
Boom colour	Black		
Freeboard (mm)	100	200	250
Draft (mm)	200	400	500
Overall height (mm)	300	600	750
Section length (m)	15 - 20		
Operational temperature (°C)	-20°C to 60°C		
Chemical resistance	Acids, alkalis, solvents & hydrocarbons		
Buoyancy to weight	4 : 1 to 10 : 1		
Weight (kg/m)	4.7	7.2	9.8

Other sizes can be produced upon request

OVERVIEW

Air booms are ideal for deploying from spill response vessels, where curtain booms would be bulky and impractical to use.

Volume is reduced as flotation is via inflatable chambers from 5m to 25m.

Typically used on open water where there could be rough sea and, as a consequence, a high buoyancy to weight ratio is important to offer a better response to waves when being towed.

Inflation is achieved by manual, electrical or thermic blowers.

FEATURES

- Compact in storage
- PVC, PU (Polyurethane), Neoprene options available
- Steel galvanized chain ballast protected by a flange
- ASTM junction with fast connectors

ACCESSORIES

- Reels (120m to 600m capacity)
- Towing end
- Anchor kit
- Storage rack
- Thermic blower

DIMENSIONS

Ref.	AB 650	AB 800	AB 1200
Boom fabric	PU / PVC		
Boom colour	Orange (yellow on demand)		
Freeboard (mm)	250	300	500
Draft (mm)	400	500	700
Overall height (mm)	650	800	1200
Section length (m)	10 - 25		
Operational temperature (°C)	-20°C to 80°C		
Chemical resistance	Acids, alkalis, solvents & hydrocarbons		
Buoyancy to weight	30 : 1		
Weight (kg/m)	2.8	3.0	6.2

Other sizes can be produced upon request





OVERVIEW

Self-inflating booms are ideal for deploying from spill response vessels, where curtain booms would be bulky and impractical.

Volume is reduced as flotation is via inflatable chambers from 5m to 25m.

Typically used on open water where there could be rough sea and, as a consequence, a high buoyancy to weight ratio is important to offer a better response to waves when being towed.

Self-inflating booms rely on springs/coils inside the structure of the boom that are compressed in storage and the action of deployment draws air into the boom via a one-way valve.

FEATURES

- Compact in storage
- PVC, PU (Polyurethane), Neoprene options available
- Steel galvanized chain ballast protected by a flange
- ASTM junction with fast connectors

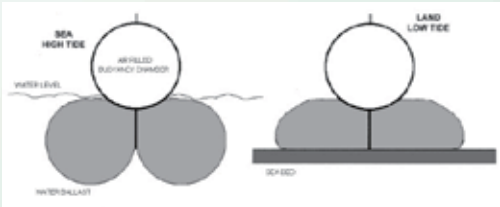
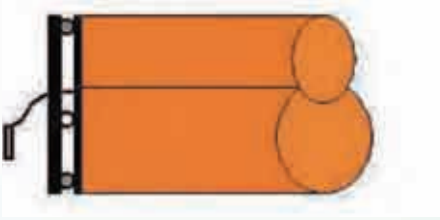
ACCESSORIES

- Reels (120m to 600m capacity)
- Towing end
- Anchor kit
- Storage rack

DIMENSIONS

Ref.	ASIB650	SIB800	SIB1200
Boom fabric	PU or PVC or Neoprene		
Boom colour	Orange – Yellow – Black		
Freeboard (mm)	250	300	500
Draft (mm)	400	500	700
Overhall height (mm)	650	800	1200
Section length (m)	10 - 25		
Operational temperature (°C)	-20°C to 80°C		
Chemical resistance	Acids, alkalis, solvents & hydrocarbons		
Buyancy to weight	25 : 1		
Weight (kg/m)	3.2	3.6	7

Other sizes can be produced upon request



OVERVIEW

Tidal booms with a ballast chamber (water filled) are designed for shallow water or where you need containment to start from the shore (connect to the shore line with permanent or curtain booms floating in the water).

In case of a strong water flow, a version with two air chambers on the lower part is available to provide better stability.

Air and water pumps are required to inflate and fill Tidal booms.

FEATURES

- Compact in storage
- PVC, PU (Polyurethane), Neoprene options available
- ASTM junction with fast connectors

ACCESSORIES

- Reels (120m to 600m capacity)
- Towing end
- Anchor kit
- Storage rack
- Thermic blower

DIMENSIONS

Ref.	TB 400	TB 600
Boom fabric	PU or PVC or Neoprene	
Boom colour	Orange – Yellow – Black	
Freeboard (mm)	200	200
Draft (mm)	400	400
Overall height (mm)	400	600
Section length (m)	10 - 25	
Operational temperature (°C)	-20°C to 80°C	
Chemical resistance	Acids, alkalis, solvents & hydrocarbons	
Buoyancy to weight	2 : 1	
Weight (kg/m)	2.2	3.1

Other sizes can be produced upon request



REELS & CONTAINERS OVERVIEW

We offer a full range of reels from 1 to 5m which can be powered by hydraulics, electrics (220v or 380v tri) or manually.

To aid the correct storage of your equipment we offer 20ft or 40ft ISO containers which can be outfitted with reels or storage racks for your booms and provide storage for tanks, skimmers, pumps, power packs etc. These dedicated stores provide security for expensive equipment and make it easy to transport it all together minimizing the risk of damage in transit.



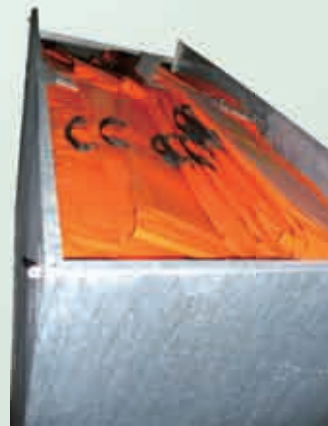


RACK OVERVIEW

This rack (hot dip galvanised steel) is designed to aid the rapid deployment of booms and protect them when not in use.

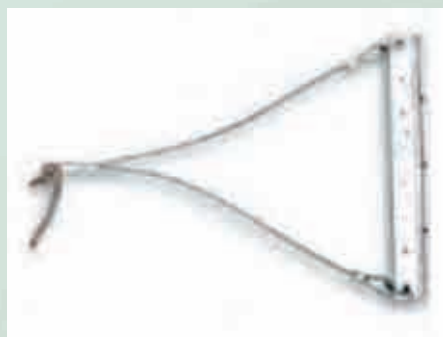
Fitted with transport restraints to minimise the risk of damage in transit, the unit is also fitted with fork pockets for easy movement by fork lift truck.

Racks can be stacked up to 3 high to reduce the storage footprint.



PORTABLE AIR BLOWER OVERVIEW

- A practical way to inflate booms in any location
- Powered by a 43cc, 2.4 hp two-stroke oil engine
- Weighs 9.5kg



ASTM WIRE CONNECTOR OVERVIEW

Move or secure booms by connecting the system to the ASTM connection (extruded aluminium) on the boom.

Manufactured with 1500kgf/5cm strength and stainless steel cables.



WEIR SKIMMERS OVERVIEW

Weir skimmers work by allowing the oil floating on the surface of the water to flow over a weir (height is self-adjustable to maintain ratio of oil to water collected) and be collected for disposal.

A submersible pump sits underneath to transfer the collected oil.



D-TYPE SKIMMER OVERVIEW

This type of skimmer sits at the head of a submersible pump and is used to skim across the surface of the water, making it ideal for collecting thick, viscous layers of hydrocarbons in “still” waters (lakes, rivers, harbours etc)



BRUSH SKIMMER OVERVIEW

Brush skimmers comprise of 1, 2 or 4 side-by-side banks of brushes with the “bristles” made of polypropylene to ensure a strong resistance to chemical products and at the same time only absorbing a small amount of water. Each brush row is powered by its own hydraulic engine and the skimmed hydrocarbons are pumped to a storage tank via an onboard pumping system.

This type of skimmer is ideal for use with high-viscosity hydrocarbons.



DISC SKIMMERS OVERVIEW

Disc skimmer comprise of 1, 2 or 4 side-by-side oleophilic rows of discs (PVC, aluminium or steel) which collect the hydrocarbons inside the skimmer and each row of discs is powered by its own hydraulic engine. The hydrocarbons stick to the disks which, as they rotate interact with flexible scrappers to remove the hydrocarbons. The collected hydrocarbons are then pumped to a storage tank.

This type of skimmer is ideal for use with low and medium-viscosity hydrocarbons.



DRUM SKIMMERS OVERVIEW

Drum skimmers comprise of 1, 2 or 4 side-by-side drum(s) powered by their own engine. As the drum(s) rotate the hydrocarbons stick to the surface and are scrapped off by flexible scrappers located on the sides of the drum(s). The collected hydrocarbons are then pumped to a storage tank.

This skimmer is ideal for low and medium viscosity hydrocarbons.



MULTI-FUNCTION SKIMMERS OVERVIEW

Multi-functions skimmers are a combination of three different styles of skimmer (brushes, discs and drums) designed to collect varying types of hydrocarbons.



PUMPS OVERVIEW

- 4 pump range
- 0 to 250m³ capacity
- Centrifugal or screw
- Aluminium body
- Hydraulic
- Submersible
- Forward and reverse rotation
- Able to cope with debris up to 63mm in size

SPECIFICATION

Ref.	SC02 impeller	SC03 impeller	SC03S screw	SC04S screw
Volume (m ³)	45	80	120	250
Gauge	25	76	76	102
Body Material	aluminium			
Debris size (mm)	25	63	50	50
Weight (kg)	7.7	11	15	25



POWERPACKS OVERVIEW

This range of power packs has been developed to response to the power requirements of our pumps, skimmers and reels, to ensure they can be used to their maximum potential.



FEATURES

- TEMA standard hydraulic connections with quick release couplings
- Engine manufacturers: Honda - Yanmar - Kohler
- Mounted on a steel 2-wheeled chassis



OVERVIEW

This style of tank is specifically designed to aid the recovery of spilt hydrocarbons on open water. It is equipped with buoyancy tanks to enable it to be towed when empty and aid stability when returning full.

FEATURES

- Compact
- 5m³ to 50m³ capacities
- Can be towed up to 4 knots



ACCESSORIES

- Repair kit
- Towing end
- Ground sheet
- Storage bag
- Auxiliary float
- Solar power light

SPECIFICATION

Ref.	MT5	MT10	MT15	MT20	MT30	MT50
Capacity (m ³)	5	10	15	20	30	50
Basic material	Polyester, nylon or polyamide					
Coating	PU					
Chemical resistance	Acids, alkali and solvent endurance					
Working temperature()	-10°C to 70°C					
Outlet\ Inlet gauge	1 2/3"					
Accessories	Acids, alkali and solvent endurance					

Other sizes can be produced upon request



OVERVIEW

We manufacture a comprehensive range of pure polypropylene absorbents (Not recycled or combined with other materials) which naturally repel water and only absorb hydrocarbons. Also available in Chemical and Maintenance versions which absorb water based liquids such as coolants, cutting fluid, acids and caustics. All three types are available as:

Sweeps – Pads – Rolls – Cushions – Booms - Socks

FEATURES

- Absorbs up to 30 times own weight
- Colour coded for ease of use (comply with British Standard BS 7959)
- Light-weight
- Fast to deploy, quick to recover

