

RO-BOOM

RO-BOOM is internationally acknowledged as one of the most effective, reliable and durable oil containment booms available today. RO-BOOM has earned this reputation in many spills and deployments. Manufactured in a unique rubber moulding process RO-BOOM is an inflatable boom with high tensile strength and excellent sea-keeping abilities. When deflated it lies flat allowing for storage on reels with minimal volume.

More than 1,000,000m have been supplied to oil companies, ports, terminals and oil spill bases. RO-BOOM is available in section lengths of up to 250m and nine sizes from 0.6 to 3.2m overall. It can be delivered with stainless steel hinge or ASTM connectors. Advances in the inflation process have lead to deployment times of less than 10 minutes for 200m with a trained crew.



RO-BOOM SPI

RO-BOOM Single Point Inflation oil containment boom is specially developed for fast deployment and a smaller operational foot print. Depending on the size and model, inflation can be from one end or through the reel. The DESMI SPI does not impact on the proven technology and well known operational integrity of RO-BOOM. Indeed, the boom can still be inflated through the individual chambers if so required.

Ro-Boom SPI is available in two versions:

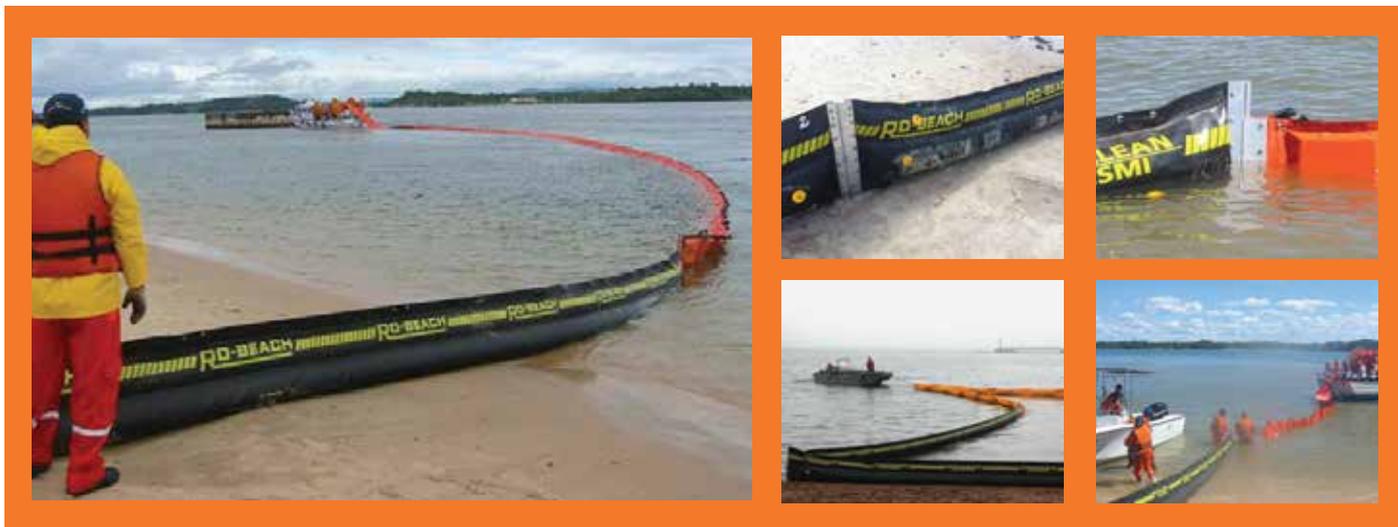
1. Single Point air inflation takes place from outer end of first deployed boom section and the air is distributed via internal air channels with non-return valves incorporated
2. Single Point air inflation takes place via air hose integrated in boom winder and an external air hose connected to the top of the boom - requires no auxiliary boat



RO-BOOM BEACH

Containing oil in changing water levels presents a problem to conventional skirted booms. The RO-BOOM BEACH is a specialised boom with twin water ballast tubes and a single air tube. As the water level recedes the RO-BOOM BEACH sits down into the sand and mud effectively sealing the area.

When the level comes up the boom will re-float and act as a conventional boom. The RO-BOOM BEACH is produced in the exceptional RO-BOOM fabric offering high puncture and high abrasion resistance, which is key to this application.



TROILBOOM BEACH

As a lightweight option, DESMI is also able to offer TROILBOOM BEACH, which is made in a similar way to the RO-BOOM BEACH, but from lighter weight materials allowing greater flexibility when

transporting and deploying this boom. It is offered in either PVC or Urethane fabrics, which are tough and durable enough to survive repeated use on sand and mud substrates.



PYROBOOM®

PYROBOOM® is a combination of specially selected materials applied to the GLOBEBOOM® design to provide a fireproof boom which has proven to be a superior performer during independent tests. These tests have included 24 hour burns, ASTM fireboom test protocol, and real-world oil-in-ice burns in the Arctic Circle. Unlike most other firebooms, PYROBOOM® can be used in training exercises without deleterious effects. Even after it is burned, approximately 50% of the original value of the PYROBOOM® can be salvaged and re-used with in-field replacements, whereas other fireboom is typically scrapped.

PYROBOOM® requires no special handling, launching or support equipment and can be used just like a conventional boom. Originally conceived as a boom to be used in sweep and intentional in-situ burn operations, PYROBOOM® can also be invaluable for protecting waterfront assets from accidental fires. After burning, the residues can be collected using the Scan trawl system.



A-BOOM



DESMI has developed an environmentally friendly fence boom which will suit most protection purposes with regard to Oil Spill Response in a large number of protected water areas. The boom is known as “A-BOOM”

As a solid float fence type of boom it is immediately ready for deployment in the event of an oil spill in a harbour, jetty, lake or other protected water area. Due to the minimal weight of the 15m sections of boom (22 kg), it can easily be deployed by a small crew and for convenience can be disposed of by burning after use.

RO-FENCE is a robust fence boom designed for installation and long-term deployment in ports, rivers, ponds and lakes, water intakes and terminals where a zero response time is required. It is manufactured from the finest materials offering high abrasion and resistance to oil and sunlight.

The floats are moulded in UV stabilised HD polyethylene, which are then bolted to a twin layer of RO-BOOM fabric and ballasted using either lead weights or chain beneath the floats.

For convenience and longevity, the floats can also be filled with foam if required. This extreme durability and simplicity in design leads to a low maintenance requirement and good suitability for long-term deployment in harsh conditions.



GLOBEBOOM®

The GLOBEBOOM® design has proven to be excellent for all sorts of harbour settings. The principal reason for this is the quasi-spherical (or “globe”) shaped flotation elements. This shape represents the most efficient volume-to-surface-area ratio and allows discrete “nodes” of buoyancy to be placed at intervals along the face of the boom yielding the most responsive hard-shell boom on the market.

The GLOBEBOOM® design is available in a variety of barrier fabrics, sizes and with a range of accessories and options. The lighter weight fabrics are recommended for response applications and the heavier fabrics for everyday deployment and recovery or permanent installations.

Different sizes are available to account for a wide range of current, wind and wave conditions. In keeping with the maturity of this design, there also exists a wide range of accessories to meet the customer’s operational conditions. Due to the spherical float shape, GLOBEBOOM® stores very compactly in boxes or on reels. It can rapidly be deployed from various storage options, but can also be left in-situ for long periods of time.



TROILBOOM GP

TROILBOOM is a lightweight, rapidly deployable boom with foam flotation manufactured in PVC or Urethane fabric. TROILBOOM is ideal for coastal and port operations where a rapid response to any pollution threat is required. It can simply be pulled very rapidly into the water, either from a container, storage racks, or a boom reel if required. The average deployment time is 3 to 5 minutes for 200m, and there is no need for any ancillary equipment such as air blowers when deploying the boom.

Due to the highly flexible construction, TROILBOOM has very high wave following characteristics and is therefore able to ride out and provide a usable barrier in much stronger weather conditions than many of its competitors. TROILBOOM is available in four different sizes from 0.45 to 1.1m overall to suit most applications and 3 different versions depending on the customer requirements. TROILBOOM is also available with a wide range of ancillary equipment including various storage reels and racks, tidal compensator's, towing and anchoring sets etc. Many thousands of meters of TROILBOOM have been supplied since it was introduced over 35 years ago.



CONTRACTOR SPECIAL BOOM

The Rapid Response Boom

Contractor Boom is a lightweight boom that is ideal for operations in ports, harbours, inland and coastal waters. Due to the simple, reliable construction the boom can be immediately deployed. Contractor Boom incorporates closed cell PE foam logs in welded float pockets. Above the floatation member a strong 6.4 mm galvanized plastic coated wire is placed. The lower edge of the skirt contains a pocket with a galvanized ballast chain.

200 meter of the boom can be deployed in less than 5 minutes without any special ancillary equipment. The boom is available in dimensions from 10" to 36". Our more popular models are 18" and 24".

Contractor Boom is standard manufactured in bright orange PVC coated polyester. The smooth profile of the boom facilitates cleaning after use in an oil spill.



TROILBOOM AF is a lightweight rapid response inflatable boom with a similar design to RO-BOOM, ideal for situations where a quick response is required, but a solid buoyancy fence boom is not suitable.

The boom is manufactured as standard in bright orange PU for durability, flexibility and strength. A ballast chain and top wire provide a high tensile strength.



BOOM WINDERS

DESMI manufacture a wide range of winders for our booms, enabling them to be used in various situations.

We are able to produce them in a variety of sizes, to hold different capacities of boom, and as containerised winders if necessary to meet customer requirements.

We are also able to produce them with either hand, electric or hydraulic operation, and with ISO corners if required to make storage easier.

Also, we have options for chain or direct gear drive, 4 way forklift channels for easy handling, DNV Certified reels and compact reel design for air craft mobilization.



STORAGE RACKS

If a winder is not a storage option, then more cost-effective storage options can also be offered in the way of storage racks for the TROILBOOM and A-BOOM.

These lightweight aluminum racks allow the boom to be fleeted in and stored, ready to be pulled out and deployed at a moments notice. This has the additional benefit of requiring no hydraulic power for deployment.



SPEED SWEEP

Up to 3 knots without entrainment

The DESMI Speed Sweep is an advancing sweep system that can operate, collect and store oil at speeds of up to 3 knots without loss from the apex.

The principle of operation is based on specially designed, high strength, flexible Kevlar cross members that slow the speed of the surface oil to prevent entrainment while in advancing mode. The Kevlar cross members are positioned across the apex of the boom.

The physical size, shape and positioning of these member or inhibitors, are important and extensive testing and collaborative computer modeling has resulted in a proven product.

The DESMI Speed Sweep has even been towed at speeds of up to 5 knots without damage or breakage. It can collect and store oil and can be off loaded using a traditional weir or oleophilic skimmer to pump out from the apex. The Sweep can operate with 2 vessels; 1 vessel and a jib arm and or 1 vessel and a Ro-Kite.

