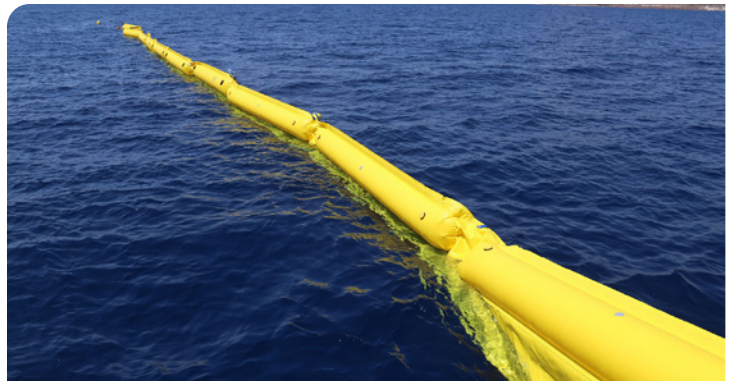


Product Datasheet

Scorpion A-Series

The Scorpion A-Series inflatable oil containment boom is a versatile and effective solution used in environmental protection to contain and control oil spills typically in off-shore and open waters operations. They are made from durable, sturdy materials such as PU/PVC coated polyester fabrics. These materials are resistant to oil, chemicals, and UV radiation. The booms consist of multiple air inflatable chambers that provide high buoyancy and outstanding heave response. The underwater portion of the boom (skirt) helps contain the oil within the designated area.

Inflatable Curtain Booms



Technical Properties

- Equipped with robust ASTM-Z end connectors for joining multiple sections of boom to create a continuous barrier. Being universal these connectors offer compatibility with various boom types.
- Being highly buoyant the air-filled booms remain afloat even in rough open waters. Crucially stable and resistant to rolling they maintain the boom's position and effectiveness in containing oil.
- Tensioning is achieved with PET webbing and galvanized chain.

Applications

- Open Water
- Coastal and Shoreline Protection
- Harbors and Marinas

Key Features

- Classified as offshore booms or heavy-duty booms, they are extremely sturdy and robust, suitable for demanding and critical operations.
- Brightly colored (orange or yellow colors available) to ensure high visibility for safety and monitoring purposes.
- Available in various sizes to suit different applications, from small booms for calm waters to larger, more robust booms for open sea conditions.
- Designed for quick and easy deployment, can be rapidly inflated and positioned.
- Ideal for advancing vessel recovery operations.
- Compatible with hydraulically powered boom reels for compact storage.

Scorpion A-Series



Technical Specifications

| Model | Scorpion 750A | Scorpion 920A | Scorpion 1200A | Scorpion 1500A | Scorpion 1700A |
|----------------------------|----------------------------------|-------------------------|--------------------------------|--------------------------------|--------------------------------|
| Height Deflated | 1000 mm | 1150 mm | 1450 mm | 1800 mm | 2000 mm |
| Height Inflated | 750 mm | 920 mm | 1200 mm | 1500 mm | 1700 mm |
| Freeboard | 250 mm | 300 mm | 470 mm | 500 mm | 550 mm |
| Draft | 500 mm | 620 mm | 730 mm | 1000 mm | 1150 mm |
| Section Length | 20 m | | | | |
| Fabric | PU/PVC Coated Polyester | PU/PVC Coated Polyester | EVA/PVC Alloy Coated Polyester | EVA/PVC Alloy Coated Polyester | EVA/PVC Alloy Coated Polyester |
| Fabric Tensile Strength | 4500 N/5cm | 4500 N/5cm | 4500 N/5cm | 7000 N/5cm | 12000 N/5cm |
| Connectors | ASTM Z-Type | ASTM Z-Type | ASTM Z-Type | ASTM Z-Type | ASTM Z-Type |
| Weight | 4.4 kg/m | 5.5 kg/m | 6.4 kg/m | 7.1 kg/m | 9.1 kg/m |
| Res. Buoyancy/Weight Ratio | 6.0:1 | 7.8:1 | 17.1:1 | 19.0:1 | 14.0:1 |
| Flotation | Independent Inflatable Chambers | | | | |
| Air Chamber Length | 4.8 m | | | | |
| Ballast | DIN 764 Hot Dip Galvanized Chain | | | | |
| Chain Thickness | 10 mm | 12 mm | 12 mm | 12 mm | 12 mm |
| Operational Temperature | from -10°C to 60°C | | | | |
| Colour | Yellow | | | | |
| Air Valves | One or Two per Chamber | | | | |