

Product Datasheet

Scorpion A-Series CSM

The Scorpion A-Series inflatable oil containment boom is a heavy-duty off shore containment system that can be used to encompass and contain oil spills and other floating pollutants when an incident occurs in demanding and harsh sea and weather conditions, typically in off-shore and open waters operations. Made from special rubber compound, coated with CSM the seamless boom is extremely durable, able to withstand demanding offshore marine conditions and aggressive hydrocarbons. 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.

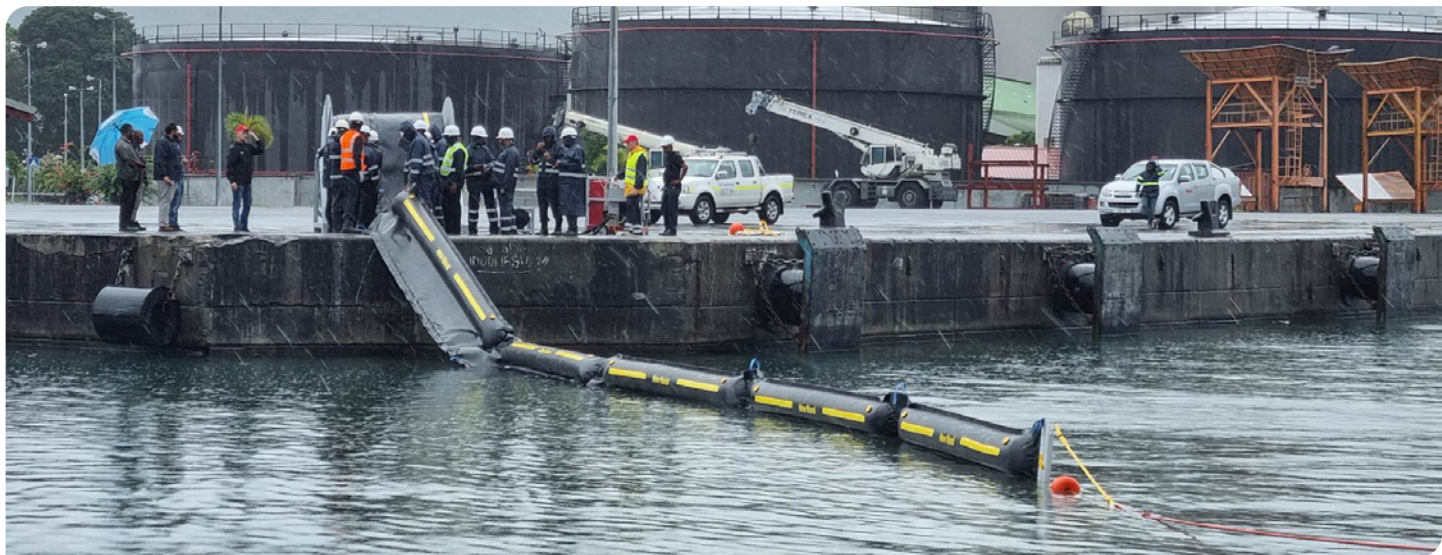
Applications

- 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.
- Seamless construction delivers extremely durable boom.
- Brightly colored (orange 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.

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Technical Specifications

Model	SCORPION 525A CSM	SCORPION 810CSM	SCORPION 1100A CSM	SCORPION 1250A CSM
Height Deflated	650 mm	990 mm	1320 mm	1500 mm
Height Inflated	525 mm	810 mm	1100 mm	1250 mm
Freeboard	260 mm	300 mm	440 mm	450 mm
Draft	265 mm	510 mm	660 mm	800 mm
Section Length	25 or 50 m (other lengths available upon request)			
Fabric	CSM Neoprene/Rubber			
Fabric Tensile Strength	14000 N/5cm (Double Ply)			
Connectors	ASTM Z-Type			
Weight	4.5 kg/m	6.9 kg/m	8.4 kg/m	10.2 kg/m
Res. Buoyancy/Weight Ratio	7.0:1	10.2:1	13.4:1	13.4:1
Flotation	Independent Inflatable Chambers			
Air Chamber Length	4.8 m			
Ballast	DIN 764 Hot Dip Galvanized Chain			
Chain Thickness	8 mm	10 mm	10 mm	12 mm
Operational Temperature	from -30°C to 70°C			
Colour	Black with Reflective Stripes or High Visibility Orange			
Air Valves	One or Two per Chamber			