

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.

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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	300 mm	300 mm	470 mm	500 mm	550 mm
Draft	450 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				