Product Datasheet

Scorpion C-Series

Solid Floatation Curtain Booms

The Scorpion C-Series solid filled boom, features cylindrical floats and is simple to use while capable to rapidly deploy contain and control the spread of oil spills on water surfaces. Extremely versatile and ideal for various operational environments such as inland waters, offshore open seas and waters with high-speed currents. Due to the strength and rigidity of the solid floats, the boom maintains its shape and display excellent conformance to waves, enhanced buoyancy and effectiveness in maintaining its configuration in applications where swells and currents occur.

Technical Properties

- Includes HDG ballast chain at the bottom to ensure the boom remains upright and stable in the water.
- Equipped with end connectors, such as aluminum ASTM Z or stainless-steel U-Bolts, to allow multiple sections to be linked together securely.
- Made from highly durable, oil-resistant materials such as PVC, or polymer coated polyester fabrics that can withstand harsh environmental conditions and exposure to oil and chemicals.

Key Features

- All-around, cost-effective and essential solution, ideal for multiple response scenarios.
- Available in various lengths, which can be connected together to form a continuous barrier as needed.
- The cylindrical shape helps the solid floating boom to conform to wave motion, reducing the risk of oil escaping underneath.
- Easy to clean and maintain after exposure to oil, ensuring it can be reused multiple times.
- Can be stored to crates, trailers or containers.

Applications

- Calm Waters
- Open Seas
- Fast-moving Currents

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Technical Specifications

Model	Scorpion 350C	Scorpion 500C	Scorpion 750C	Scorpion 920C	Scorpion 1200C
Operational Height	350 mm	500 mm	750 mm	920 mm	1200 mm
Freeboard	200 mm	200 mm	250 mm	300 mm	300 mm
Draft	150 mm	300 mm	500 mm	620 mm	900 mm
Section Length	20 m				
Fabric	PVC Coated Polyester				
Fabric Tensile Strength	3200 N/5cm				
Connectors	U-Bolts / ASTM Z-Type				
Weight	2.7 kg/m	3.0 kg/m	4.2 kg/m	5.3 kg/m	5.5 kg/m
Res. Buoyancy/Weight Ratio	4.2:1	6.3:1	4.4:1	5.53:1	5.3:1
Upper Tension Member	Seamed Fabric	Seamed Fabric	PET Webbing	PET Webbing	PET Webbing
Flotation	Closed-Cell PE Foam 30kg/m3				
Float Length	1.0 m				
Ballast	DIN 764 Hot Dip Galvanized Chain				
Chain Thickness	8 mm	8 mm	10 mm	12 mm	12 mm
Operational Temperature	from -10°C to 60°C				
Colour	Yellow				