MEGATOR

Global Leader in Pumps and Pollution Control Solutions

Oil Boom

Customizable Solutions for Containment and Recovery

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MFP- Solid Flotation Oil Boom

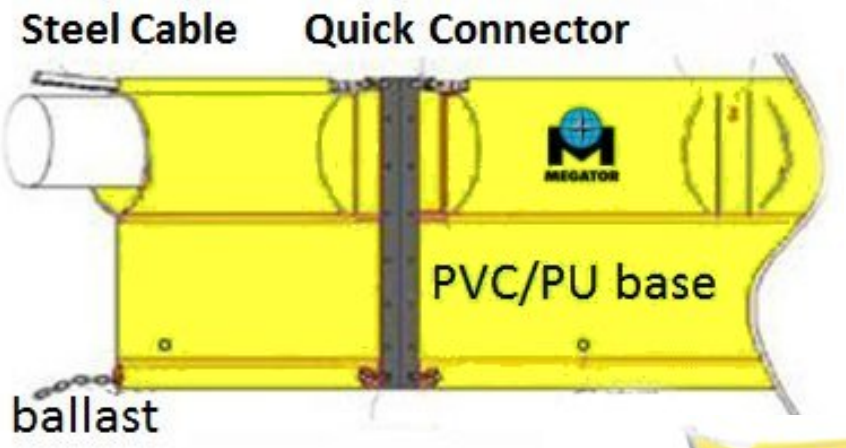
Technical Specifications

Section Length	15m/20m/25m/30m
Height	350, 600, 900,1000mm
Weight	3.0kg/m
Ballast Weight	1.7kg/m
Temperature Resistance	-15 to +70℃
Fabric Tensile Strength	2800N/5cm
Boom Tear Strength	500N

Detailed Product Description

1. Excellent oil capturing ability and wave response.
2. Easy to deploy, clean, and store.
3. High strength due to improved load distribution.
4. Top tension cable adds additional strength to the boom.
5. Long service life.
6. Custom sizes available upon request.

MFP Oil Boom is a general purpose yellow PVC oil boom suitable for coastal and shoreline oil spill control. It is especially suitable for long term deployment and it is widely used in ponds, lakes, rivers, harbors and near-shore petroleum platforms. MPF oil boom is a light-weight boom making it easy to deploy and it is designed to capture and contain floating oil and debris.



Construction

1. This versatile system can be mad to a customer's specific needs.

2. Manufactured from PVC fabric with built in foam floatation, top tension cable, chain ballast and ASTM quick connectors.

3. A ballast chain and ropes along the top and bottom of the boom bear the longitudinal loads.

4. ASTM quick-connectors for flexible and fast deployment.

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MAP- Inflatable Light Oil Boom

Technical Specifications

Section Length	25m
Height	500 - 1200mm
Weight（total operational）	3 - 6kg/m
Ballast Weight	1kg/m
Temperature Resistance	-35 to +70℃
Fabric Tensile Strength	3800N/5cm

Detailed Product Description

1. Excellent oil capturing ability and wave response.
2. Quick-connect boom sections.
3. Easy to deploy, clean, and store.
4. High strength due to improved load distribution.
5. Long service life: resistant to oils and sunlight.

MAP oil boom can be easily deployed from its storage reel by only two operators, typically 200m in 15 minutes. It can be stored in boom bags or on its boom reel.

Construction

1. MAP Oil Boom is manufactured from high visibility yellow PVC/PU coated woven polyester fabric .
2. A ballast chain and a top-rope along the bottom and top of the boom bear the longitudinal loads.
3. ASTM quick-connectors for flexible and fast deployment.

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MAR- Rubber Inflatable Oil Boom

Technical Specification	
Section Length	
50m/100m/200m	
Height	900-2000mm
Weight	7.5-23.5kg/m
Ballast Weight	2.5kg/m
Temperature Resistance	-15 to +70℃
Fabric Tensile Strength	20000N/5cm

Detailed Product Description

1. Excellent oil capturing ability and wave response.
2. ASTM standard quick connectors for flexible and fast deployment.
3. Easy to deploy, clean, and store.
4. High strength due to improved load distribution.
5. Excellent fire resistance.
6. Luminescent marks or radar reflectors make Megator booms easy to locate.
7. Long service life.
8. Custom sizes available upon request.

It is especially suitable for emergency oil spills and long-term deployment . MAR Oil Boom is widely used on rivers, harbors, offshore oil drilling rigs and ship salvage. It can be easily deployed from its storage reel by only two operators, typically 200m in 15 minutes.

Construction

1. The ballast chains can be changed according to customer requirements.
2. Quick-connect fittings for flexible and fast deployment.
3. Luminescent marks or radar reflectors make Megator booms easy to locate.

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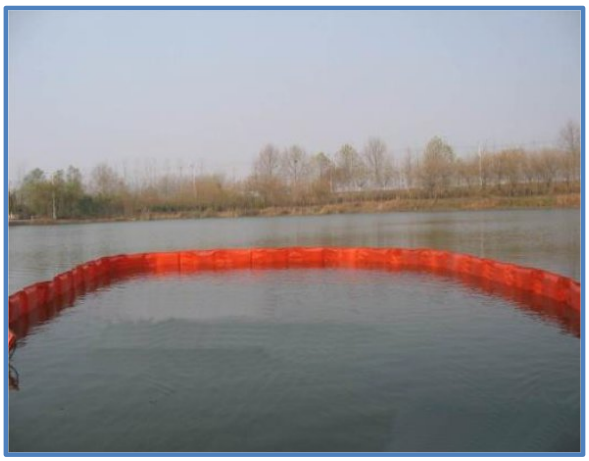
MFF- Foam Filled Oil Boom



Technical Specification	
Section Length	25m
Height	500, 900, 1200mm
Weight	3.8, 5.3, 6.2kg/m
Ballast Weight	1.9kg/m – 3kg/m
Temperature Resistance	-35 to +70°C
Fabric Tensile Strength	2800N/5cm/4000/5cm

Detailed Product Description

1. Excellent oil capturing ability and wave response.
2. Easy to deploy, clean, and store.
3. High strength due to improved load distribution.
4. Top tension cable adds additional strength to the boom.
5. Long service life

The Megator MFF boom was designed to provide a quick and dependable means of oil containment. MFF boom is equally suited for emergency and permanent use in harbors or oil terminals. Available in 500, 900 and 1200mm heights and sections of 25m lengths.

The MFF boom can be stored on a light weight reel. It is supplied with ASTM end connectors as standard and can also be specified with end connectors of other types. The Megator MFF oil boom covers the increasing demands for a cost effective boom, that is lightweight, robust, quickly and easily deployed.

Construction

1. Manufactured from highly visible PVC coated polyester fabric.
2. Resistant to the effects of oil and sunlight.
3. Each section of MFF boom incorporates reflectors, light pouches, and built in chaff for radar detection.
4. Derives it's floatation from resilient closed cell foam.
5. Ballast chain is incorporated into the skirt for stability.

Quick Connectors

Towing Adapter

Transport

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MHAB300- Hydraulic Air Blower

Technical Specification	
Length	486mm
Width	390mm
Height	500mm
Weight	39kg
Air flow	300m³/h
Speed	3000rmp
Pressure	0.25bar
Hydraulic flow	40L/min
Power requirement	6kW

Detailed Product Description

1. The air blower consists of a hydraulic motor and air blower installed in a portable aluminum frame.
2. The unit is supplied with hydraulic quick release TEMA couplings. The internals of the Megator MHAB300 are protected by a suction filter.

The Hydraulic Airblower MHAB300 is used for inflating the Megator Inflatable Booms. The Megator MHAB300 has a set discharge pressure so the oil boom cannot be damaged during the inflation operation. Additionally, the MHAB300 can be configured to provide suction for deflation of the Megator oil boom.

The Megator MHAB300 can be powered by one of the family of Megator hydraulic power packs or by using a vessels existing hydraulics.

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Boom Reel

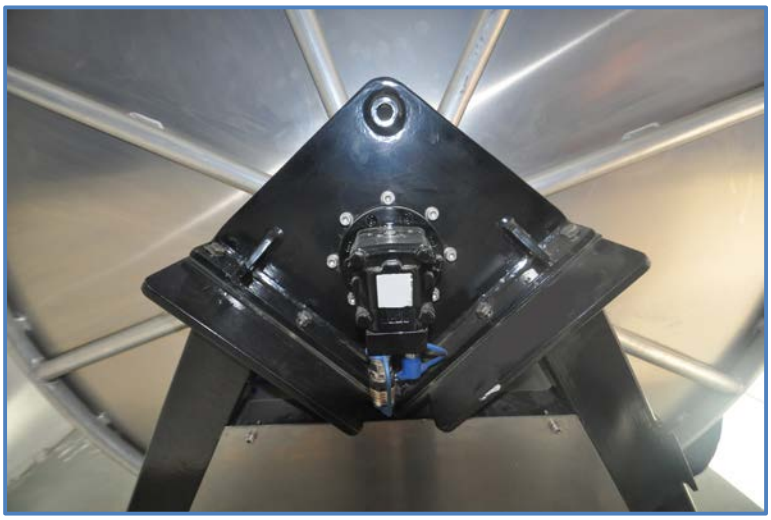
MLR

Technical Specification	MLR	MHR
Length	2205mm	3654mm
Width	1810mm	1814mm
Height	2075mm	2123mm
Weight	314kg	820kg
Reel inner width	1700mm	3000mm
Reel diameter	1800mm	
Reel material	Aluminium	
Frame material	Steel	
Forklift channels	Yes	
4-point lifting rings	Yes	
Hydraulic flow	10L/min	20L/min
Hydraulic pressure	200bar	
Power req.	3kW	7kW

The Megator Hydraulic operated Storage Reel Light (MLR) is designed to store between 200-300m length, 350-1500mm height, inflatable light oil boom (MAP). The light weight reel frame is manufactured in steel and the spool is manufactured in marine grade aluminum. The reel frame comprises fork lift channels and 4-point lifting points as standard for easy handling both on and offshore. Marine twist locks and container corner guides can be fitted as desired.

The MLR is driven by 1 hydraulic motor, requiring a power-pack such as the 3kw and allowing for easy deployment and recovery using minimal manpower.

A MLR cover can also be supplied ensuring maximum protection for the stored boom. Also it can driven 2 hydraulic motors requiring a power-pack capable of 6-7 kW .



MHR

The Megator Hydraulic operated Storage Reel Heavy (MHR) is designed to store up to Heavy duty oil boom such like the offshore rubber boom. The reel frame is manufactured in steel and the spool is manufactured in marine grade aluminum . The wider frame comprises fork lift channels and 4- point lifting points as standard for easy handing both on and offshore. Marine twist locks and container comer guides can be fitted as desired.

The MHR is driven by 2 hydraulic motors, requiring a power-pack capable of 6-7 kW .

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