

Oil Containment Booms

Technical data sheet



Arete designs and manufactures various types of Oil Containment Booms intended for rapid and quick response to assist in the recovery of oil spills. All sizes of booms are customizable which makes them suitable for usage in rivers, harbours, inland and coastal waters. To make high end product, PVC or TPU fabric is used extensively. Deflated booms could be easily stored on a boom reel, in carry bags or fletted into storage racks and containers.



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Air Inflatable Oil Booms

Base fabric:

High frequency welded. Polyester 1,100 dtex weave with TPU Aliphatic PU / PVC Alloy for improved Chemical & Abrasion Resistance.

Temperature range:

-30°C to +70°C

Tensile strength (warp and weft):

4000 N/5 cm (DIN53354)

Tear strength (warp and weft):

550N (DIN53356)

Surface mass:

1000 ($\pm 10\%$) g/m²



Model	AIB50	AIB75	AIB90
Length	5 to 50 m	5 to 50 m	5 to 50 m
Height (inflated)	50 cm	75 cm	90 cm
Freeboard	20 cm	35 cm	40 cm
Draft	30 cm	40 cm	50 cm
Weight	2.8 kg/m	3.2 kg/m	3.6 kg/m

*Customization is available on request

Key Facts

Galvanised chain ballast

Easy to clean

Robust TPU or PVC materials



High frequency welded

Light and flexible

Top wire tension member



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Fence Booms

Base fabric:

High frequency welded. Polyester 1,100 dtex weave with TPU Aliphatic PU / PVC Alloy for improved Chemical & Abrasion Resistance.

Temperature range:

-30°C to +70°C

Tensile strength (warp and weft):

4000 N/5 cm (DIN53354)

Tear strength (warp and weft):

550N (DIN53356)

Surface mass:

900 (±10%) g/m²



Model	FB40	FB50	FB75	FB95	FB110
Length	5 to 50 m	5 to 50 m	5 to 50 m	5 to 50 m	5 to 50 m
Height (inflated)	40 cm	50 cm	75 cm	95 cm	110 cm
Freeboard	15 cm	20 cm	30 cm	35 cm	45 cm
Draft	25 cm	30 cm	45 cm	60 cm	65 cm
Weight	2.8 kg/m	3.2 kg/m	3.8 kg/m	4.6 kg/m	5.4 kg/m

*Customization is available on request

Key Facts

High frequency welded

Hi-visibility flag

Fast deployment time



360° flashing light

Light and flexible

No air inflation required



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Shore Sealing Booms

Base fabric:

High frequency welded. Polyester 1,100 dtex weave with TPU Aliphatic PU / PVC Alloy for improved Chemical & Abrasion Resistance.

Temperature range:

-30°C to +70°C

Tensile strength (warp and weft):

4000 N/5 cm (DIN53354)

Tear strength (warp and weft):

550N (DIN53356)

Surface mass:

960 (±10%) g/m²



Model	AIB50	AIB75	AIB90
Length	5 to 50 m	5 to 50 m	5 to 50 m
Height (inflated)	55 cm	75 cm	90 cm
Freeboard	30 cm	40 cm	50 cm
Draft	25 cm	35 cm	40 cm
Weight	2.8 kg/m	3.5 kg/m	3.9 kg/m

*Customization is available on request

Key Facts

Light and flexible

Easy to clean

Pressure relieve valves



Twin water chambers

Robust materials

High frequency welded



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Permanent Fence Booms

Base fabric:

PVC belt with double polyester base. Featuring good abrasion resistance to atmospheric action, chemical substances and abrasives.

Temperature range:

-30°C to +70°C

Tension resistance:

4 Mpa

Surface mass:

2700 g/m²

Thickness:

5 mm (±10%)



Model	APB600	APB750	APB900
Length	5 to 50 m	5 to 50 m	5 to 50 m
Height (inflated)	60 cm	75 cm	90 cm
Freeboard	25cm	30cm	35cm
Draft	35cm	45cm	55cm
Weight	3.2 kg/m	3.8 kg/m	4.2kg/m

*Customization is available on request

Key Facts

No air inflation required

Easy to clean

High abrasion resistance



Closed cell foam filled

Strong and flexible

Good atmospheric resistance



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Contractor Booms

Base fabric:

High frequency welded. Polyester 1,100 dtex weave with TPU Aliphatic PU / PVC Alloy for improved Chemical & Abrasion Resistance.

Temperature range:

-30°C to +70°C

Tensile strength (warp and weft):

4000 N/5 cm (DIN53354)

Tear strength (warp and weft):

550N (DIN53356)

Surface mass:

1000 ($\pm 10\%$) g/m²



Model	AIB50	AIB75	AIB90
Length	5 to 50 m	5 to 50 m	5 to 50 m
Height (inflated)	50 cm	75 cm	90 cm
Freeboard	20 cm	30 cm	40 cm
Draft	30 cm	45 cm	50 cm
Weight	3.2 kg/m	3.8 kg/m	4.2 kg/m

*Customization is available on request

Key Facts

Fast development time

Light and flexible

High frequency welded



No air inflation required

Robust materials

Optional visibility flag and lights

