

REYCAU boom



Each section of the inflatable boom is made of 2 independent cylindrical floats extended by a smooth skirt ballasted with a ballast chain covering its entire length.
The ballast chain damps all tensile stresses.

BEHAVIOUR

Thanks to subdivision into 10m segments and the low inflation pressure, the boom is extremely flexible so it can follow the movement of the water surface and retain a balanced position.

This boom also behaves well in currents.

Tensile stresses are absorbed by the ballast chain and by a strap located under the float.

The booms are designed to resist the marine environment, bad weather conditions and UV, as also high humidity.

Depending on the model, the boom can be used, in:

- Estuaries,
- Coastal tidal waters,
- Open sea,
- Port areas.

The boom is effective in harsh weather conditions:

- Water temperature from -2°C to + 33°C
- Air temperature from - 30°C to + 90 °C

FLOAT

The cylindrical float comprises 2 watertight compartments measuring 4m70.

Each compartment is closed at its ends by a high frequency electric welding.

Each 10m long element is equipped with 5 handling points and 2 high volume MONSUN spring loaded valves (Model XII) for fast inflation and deflation.

VALVES

Each inflatable segment of the boom is equipped with a high volume MONSUN valve (Mod. XII) for quick deflation without intervention and 300m winding in less than 20 minutes.

The 70 mbar service pressure not to be exceeded, the year of manufacture and the quality serial number are shown on the label.

HANDLING POINTS

The handles consist of a 50mm wide black strap sewn between 2 reinforcements and assembled by high frequency welding.

SKIRT AND BALLAST

The float is extended by a smooth skirt whose lower part has a hem reinforced by a nylon rope ending the lower part of the skirt onto which eyelets are fixed.

This reinforcement system provides the eyelets with a tear strength of 400 daN minimum.

The ballast chain is secured to the skirt by straps bolted to the eyelets.

All bolts and nuts are made of stainless steel.

The ballast chain is accessible along its entire length.

The ballast is made of a galvanized steel chain to damp tensile stress.

CONNECTION SYSTEM

Each segment ends with a nylon cord encased in a welded hem.

The connectors are made of PA6 polyamide plates, 8mm thick and 60mm wide, with one pair located on the freeboard and one pair on the draft.

The connection plates have stainless steel 12 hex head screws, washers and stop nuts.

The ballast chain segments and ridge straps are interconnected by a hot dip galvanized high resistance bow shackle.

As an option, the connection can be ASTM.

DEPLOYMENT

You can use the REYCAU boom for a number of different operations according to the model:

- Containment of hydrocarbon spills
- Deviating hydrocarbon spillage
- Trawling at speed of 3 knots ('REYCAU 600' and 'REYCAU 800' models)
- Closing off an area for cleaning.

Deployment of the boom simply involves inflating the floats and connecting them to the other elements, if required.

The boom is delivered with a specially adapted and sized towing system featuring a tube and 2 tow bridles.

Both towing elements can be stored on a reel with the boom.

After use, cleaning is easy thanks to there being no protruding parts.

Winding in the boom takes less than 20 minutes.

CLEANING -REPAIR

The boom has no points that will trap hydrocarbons and cleaning is to be performed using water and dispersants after each use.

Repairs can be made by cold or hot gluing.

This set of equipment is delivered with:

- 1 repair kit including :
 - 1 glue pot
 - Fabric patches
 - Sandpaper
- 1 set of spare parts including :
 - 1 shackle
 - 20 attachment straps with corresponding bolts and nuts
 - 1 connector

This set will be packaged in a storage bag.

TECHNICAL DATA SHEET REYCAU BOOM

	REYCAU 300	REYCAU 350	REYCAU 430	REYCAU 600	REYCAU 800
Freeboard (mm)	300	350	430	600	800
Draught(mm)	350	530	500	750	1450
Total height (mm)	650	960	1010	1430	2250
Colour	Orange	Orange	Orange	Orange	Orange
Fabric	PU - PUB (Blend: PVC/PU)				
Length of a section (m)	10 - 25 - 50 m				
Weight / ml (kg)	4,8	5,4	7,4	8,9	12,5
Ballast	Galvanized steel chain, breaking strength 13T Weight 3 kg / ml	Galvanized steel chain, breaking strength 13T - Weight 3 kg / ml	Galvanized steel chain, breaking strength 15T - Weight 5 kg / ml	Galvanized steel chain, breaking strength 30T Weight 8 kg / ml	Galvanized steel chain, breaking strength 30T Weight 8 kg / ml
Chain connection	Galvanized HR bow shackle CMU 2T	Galvanized HR bow shackle CMU 3T25	Galvanized HR bow shackle CMU 3T25	Galvanized HR bow shackle WLL 6T5	Galvanized HR bow shackle WLL 6T5
Boom connection	PA6 Polyamide plate 60 mm - Thickness 8 mm - ASTM Profiled aluminium as an option	PA6 Polyamide plate 60 mm - Thickness 8 mm - ASTM Profiled aluminium as an option	PA6 Polyamide plate 60 mm - Thickness 8 mm - ASTM Profiled aluminium as an option	PA6 Polyamide plate 60 mm - Thickness 8 mm - ASTM Profiled aluminium as an option	PA6 Polyamide plate 60 mm - Thickness 8 mm - ASTM Profiled aluminium as an option
Handling point	Handle	Handle	Handle	Handle	Handle
Overall tensile strength	13 Tons	13 Tons	15 Tons	30 Tons	30 Tons