



RANGE OVERVIEW

Seaflex Mono Buoyancy Unit (MBU) Overview



Mono Buoyancy Units (MBUs)

Changing the Pipelaying Market

Designed for High Load Angles

- + Through listening to our customers, Seaflex has developed the MBU - a pioneering way of combining the different and hitherto incompatible operational benefits of our ALBs and IBUs.

The Seaflex MBU is enclosed buoyancy, but it has the essential advantage of having a single attachment point like an ALB, which makes it as tolerant to load angle as the parachute-type bag. So, unlike any other enclosed lifting bag in the world that we are aware of, the Seaflex MBU can be used in line with the load, and can be lifted through. Each Seaflex MBU design has been tested and proven to demonstrate a safety factor in excess of 5:1 on a pull through its axis (eg the 5t MBU design has been proven to resist a through-load of more than 25t). These loads are transmitted through the bag via a proprietary through-strop design, and as of today we are the only manufacturers to be able to demonstrate via testing that their product of this type is capable of offering any sort of safety factor over and above the capacity of the bag itself.

Easy to Handle and Deploy

- + MBUs are a more practical alternative to solid buoyancy in many situations, and are exceptional within towing scenarios. As they can be simply lifted from a single point, they can easily be recovered by crane with no possibility of tearing of the strop pocket or canopy. And 500t of MBU lifting capacity can fit into a single 20ft container.

User-controlled Buoyancy Variation

- + During the mobilisation phase, and particularly important during demobilisation, the air can be introduced and released in a controlled manner into and from single or multiple units to allow the load to settle gently into the correct position, or to reposition it if required, before the MBUs are vented and released under zero load.

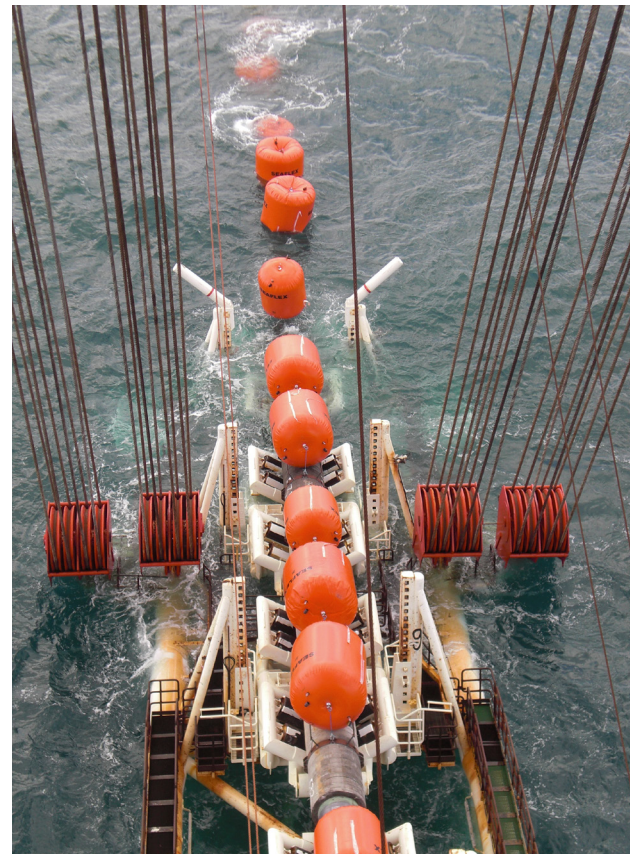
Made to Last

- + Made of our toughest High Tensile Trevira® Polyester 3/3 base cloth coated with heavy duty UV stabilised PVC coating, MBUs are massively reinforced with six reducing concentric rings of fabric layers at each end, and are terminated with a custom made stainless steel lifting ring fitted into this reinforcement, rather than having an external harness or system of strops, which would lend themselves to being connected onto for convenience, and to damage being caused to the bag as a result.

Tested, Proven, and Changing the Market

- + Seaflex MBUs are available in 1, 2, 3 and 5 ton lift sizes, and as with all our products they are fully type tested and proven to the relevant international standards.

Since their introduction, many pipelaying contractors who were previously taking standard IBUs from Seaflex or from one of our competitors have now made the switch to be able to benefit from the unique operational advantages of our proprietary MBU design.



Unique Group

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Mono Buoyancy Units (MBUs)

Key Features and Benefits at a Glance

For Your Ease of Operation

- + Lightweight (approx 1% of capacity) and packed small for Fully compliant with IMCA D-016 recommended 5:1 factor of safety.
- + Overall assembly physically tested and proven to exceed a 5:1 minimum WLL safety factor. Independent Type Test Certificates are available.
- + Fitted with multiple pressure relief valves to ensure safety during use.
- + High performance structural fabric canopy.
- + RF welded seams.
- + Structural through-stop for transmission of lifting loads.

For Your Peace of Mind

- + Designed to transmit through-loads via single central connection, can be lifted via this point, can even be moored onto.
- + Rental units inspected and tested between every single job.
- + Buoyancy of individual or multiple units can be increased or decreased as required from the surface.
- + 2 x 3/4 inch BSP standard inflation/deflation valves with 316 stainless steel male Camlock adapter as standard.
- + Leaffield Marine high flow pressure relief valves (PRVs).
- + Delivered in an enclosed crate and ready for immediate use with universally compliant documentation: MBU specific log book containing certification, service records and operating manual.



Model No	Inflated (Kgs & Mtrs)			Packed (Kgs & Mtrs)			
	Lift	D	H	Wt	L	W	H
1 MBU	1000	1	1.5	15	0.6	0.5	0.2
2 MBU	2000	1.33	1.7	18	0.75	0.6	0.2
3 MBU	3000	1.5	2.2	27	0.8	0.65	0.2
5 MBU	5000	1.75	2.2	37	1	0.8	0.2



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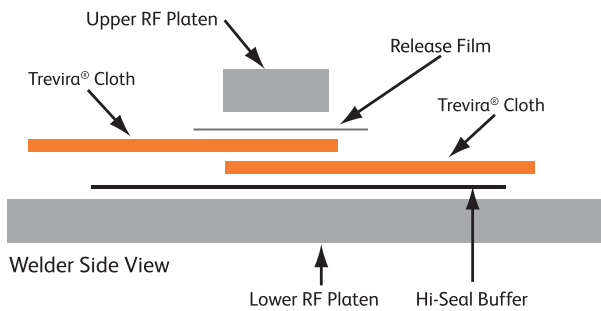
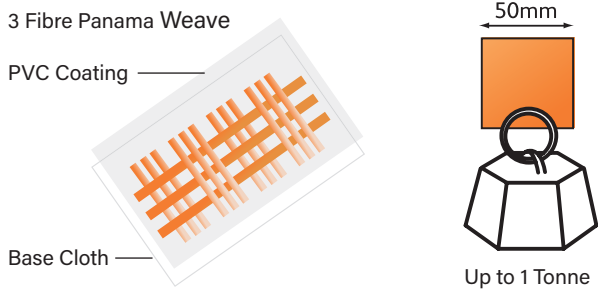
Technology, Service and Support

Manufacturing Technology

+ All Seaflex products are designed and manufactured in the UK. Our bag canopies are constructed from High Tensile Trevira® Polyester base cloth (either 2 /2 or 3 /3 fibre panama pattern weave) coated with heavy duty UV stabilised PVC coating or, for special applications, polyurethane. Trevira is incredibly strong; a 50 mm wide 3/3 strip has a break load of approximately 1 tonne. The panels for our bags are precision cut on our 15 metre long, 3 metre wide advanced automated table for perfect repeatability. Once inspected and approved panels are assembled by skilled personnel to using Radio Frequency welding to strict quality control standards.

Certification

+ All our work is carried out within a system which complies with the ISO 9001-2009 Quality Management Standard as audited by Lloyds Register Quality Assurance for full traceability – and we have now gained ISO 14001 and ISO 18001 accreditation.



Service

+ Whether for hire or sale, all Seaflex products are sent out fully tested and inspected against their build criteria. And we do also offer on-site support to our clients in the use of our products – this most often happens within the more complex buoyancy applications for our products.

In the event that your Seaflex product should suffer minor damage in service, we can supply an approved, boxed field service kit comprising of patches, a professional quality heat gun and instruction manual to make good minor leaks prior to product refurbishment.

We can also advise on the viability of carrying out more extensive repairs, which would typically be undertaken either at our factory or at one of our approved service centres.

Support

+ Our support philosophy is "Wherever, Whenever". This underlines the Seaflex commitment to not just sending out tested, proven products in proper shipping crates and with the most comprehensive documentation package in the business – but to assisting our customers in every way possible throughout their time using our products, whether the job is a hire project or an equipment sale.

We offer worldwide support to our customers via either email or phone from head office in the UK and via our ever-growing network of offices and partners around the world.

You can put your trust in Seaflex – we won't let you down.



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Unique Group's Buoyancy & Ballast products are available for hire or purchase from more than 20 other worldwide locations via our network of independent partners. Please contact us for more details.