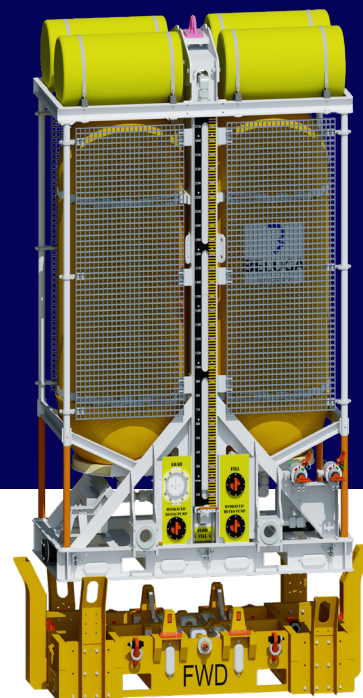


## BELUGA 3T VBS Mk I

# VBS 3T Mk I

The Beluga 3T Mk I VBS is a field proven Variable Buoyancy System with subsea lifting capacity of 3 ton. Designed to meet the demanding requirements of subsea operations.



The Beluga 3T Mk I Variable Buoyancy System is controlled by ROV and Hydraulic powered through Valve stab system. Equipped with 2 VBS pumps for full redundancy. Designed for long term submerged periods. Available with a bespoke DMA/Clumpweight for safe Launch & Recovery.

## Technical specifications

MAX SUBSEA LIFTING FORCE  
**3000 kg**

DIMENSIONS VBS & DMA (LXWXH)  
**3 m × 1.85 m × 4.3 m**

DIMENSIONS VBS only (LXWXH)  
**2.5 m × 1.3 m × 3.9 m**

OPERATING DEPTH  
**450 MSV**

WEIGHT FULL TANKS & DMA (AIR/WATER)  
**9298/3276 kg**

MATERIAL  
**GRP, Aluminum & Stainless steel**

HYDRAULICS REQUIREMENTS  
**30-150 bar & 30-50 l/m**

## Key benefits

- VBS is 706kg in water with full tanks
- Upgraded Subsea lifting force of 3000 kg.
- Corrosion-resistant materials for prolonged subsea use.

## Key features

- Hydraulic Interface: 2 off ø60mm Valvestab receptacles installed.
- Reducing uplift: By hydraulic operated valve or manip operated Slow Fill.
- ROV Interfaces: Available with ISO ROV Docking. Works with all Work Class ROV's.
- Safety Features: Load indicators and failsafe mechanisms.
- Proven Design.

Unit	IN AIR (Kg)		IN WATER (Kg)
	Empty tanks	Full tanks (seawater)	Full tanks (seawater)
VBS 3T Mk I	2 528	6 328	706
DMA/Clump weight	2 970	2 970	2 570
Total	6 328	9 298	3 276