

BELUGA Subsea Variable Buoyancy

VBS 5T

The Beluga 5T VBS is a field proven Variable Buoyancy System design with subsea lifting capacity of 5 ton. Designed to meet the demanding requirements of subsea operations.

The Beluga 5T 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. Here shown with standard DMA



Technical specifications



SUBSEA LIFTING FORCE

5 000 Kg



DIMENSIONS VBS & DMA (LXWXH)

3,7 m × 2,7 m × 3,9 m



DIMENSIONS VBS only (LXWXH)

2.8 m × 2.5 m × 3.7 m



OPERATING DEPTH

450 MSW



WEIGHT FULL TANKS & DMA (AIR/WATER)

13 000 kg/3500kg



MATERIAL

GRP, Aluminum & Stainless steel



HYDRAULICS REQUIREMENTS

30-150 bar & 30-50 l/m

Key benefits

- VBS is 500 kg in water with full tanks.
- Subsea lifting force of 5 000 kg.
- Corrosion-resistant materials for prolonged subsea use.

Key features

- Easy to handle and transport.
- 2 off Valvestab receptacles installed.
- ROV Interfaces: Available with bespoke 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 5T	3815	9400	500
Clump weight/DMA	3428	3428	2979
Total	7134	12 828	3479