

SUNSHINE

PROFESSIONAL WATER RESCUE SOLUTIONS

UNDERWATER LIFT BAG SYSTEMS

Parachute | Cylindrical | Pillow Type



Safety Solutions for Every Environment

Underwater Lifting, Controlled

A versatile range for salvage, refloating, buoyancy support and underwater installation.



PARACHUTE TYPE

Open-bottom design for stable vertical lifting and controlled venting.

100 kg - 50 t



CYLINDRICAL TYPE

High-volume enclosed bags for salvage, pontoons and pipeline support.

100 kg - 50 t



PILLOW TYPE

Compact single-point lifting solution for deep-water operations.

100 kg - 4 t

Parachute-Type Lift Bags

Versatile open-bottom lifting bags for underwater salvage and rescue.



- Open-bottom lift bags are suitable for a wide range of light- to medium-duty work and are ideal for general divers, covering most underwater lifting and rescue operations.
- Available from 100 kg to 50 t and customizable for different applications. Top lifting points allow the load to be transferred to large lifting equipment after it reaches the surface.
- Made from PVC-coated polyester or TPU. The 1.2-1.4 mm fabric is abrasion-resistant and corrosion-resistant, with high-frequency welded seams.
- A manual pressure-relief valve with lanyard and a clearly marked inversion-line attachment point allow dynamic buoyancy adjustment.
- Sewn industrial webbing has a nominal 7:1 safety ratio. Galvanized bow shackles and a heavy-duty ring are fitted as specified.
- Open-bottom or enclosed versions and multiple colors can be supplied. Multiple bags may be combined into a lifting system for heavier loads.

Technical Specifications

Dimensions are nominal and shown in centimeters.

Capacity	Dimensions (cm)	Slings	Manual PRV	Inflation	Shackles	Ring
100 kg	Ø60 × 110	4	1	0	2	1
250 kg	Ø80 × 200	4	1	0	2	1
500 kg	Ø120 × 200	4	1	0	2	1
1 t	Ø130 × 240	4	1	0	2	1
2 t	Ø180 × 260	4	1	0	2	1
3 t	Ø160 × 350	4	1	1	2	1
5 t	Ø200 × 380	6	1	1	3	1
10 t	Ø250 × 460	6	1	1	3	1
15 t	Ø300 × 430	8	1	2	4	1
20 t	Ø340 × 560	8	1	2	4	1
25 t	Ø390 × 600	10	1	2	5	1
30 t	Ø400 × 630	10	1	2	5	1
35 t	Ø420 × 650	12	1	2	6	1
50 t	Ø500 × 750	16	1	2	8	1

PRV = pressure-relief valve. Specifications may be adjusted for project requirements.

Cylindrical-Type Lift Bags

For vessel salvage, pontoons, floating structures and underwater pipeline work.

- Cylindrical lift bags are widely used for underwater salvage, as pontoons or supports for floating structures, and for seabed projects such as underwater pipeline installation.
- Their primary advantage is vessel salvage: the cylindrical shape provides vertical upward buoyancy to raise a submerged vessel.
- In shallow water, two bags may be connected through the high-strength webbing at their ends or sides using bow shackles. Once inflated to the relief setting, they can serve as pontoons for towing a stranded vessel back to open water.
- PVC-coated polyester or TPU; 1.2-1.4 mm material; high-frequency welded seams; abrasion- and corrosion-resistant.
- Standard configuration includes automatic pressure-relief valves and industrial webbing with a nominal 7:1 safety ratio. Capacities from 100 kg to 50 t and custom colors are available.



Technical Specifications

Dimensions are nominal and shown in centimeters.

Capacity	Dimensions (cm)	Slings	Auto PRV	Inflation	Shackles	Rings
100 kg	Ø45 × 67	2	1	1	4	0
250 kg	Ø65 × 100	2	1	1	4	0
500 kg	Ø80 × 130	2	1	1	4	0
1 t	Ø95 × 170	2	2	1	6	2
2 t	Ø120 × 180	3	2	2	6	2
3 t	Ø135 × 220	3	4	2	9	3
5 t	Ø150 × 300	5	4	2	15	5
6 t	Ø160 × 340	5	4	2	15	5
8 t	Ø180 × 360	6	6	2	18	6
10 t	Ø210 × 360	6	6	2	18	6
15 t	Ø220 × 460	7	6	2	21	7
20 t	Ø240 × 560	7	6	2	21	7
25 t	Ø250 × 570	8	8	2	24	8
30 t	Ø270 × 610	8	8	2	24	8
35 t	Ø290 × 620	8	8	2	24	8
50 t	Ø290 × 800	9	10	2	27	9

Pillow-Type Lift Bags

A distinctive single-point lifting design for deep-water operations.

- The pillow lift bag takes its name from its distinctive shape. Its design focuses on lifting loads in deep water through a single lifting point.
- The unique profile provides adaptability in operating conditions that other lift-bag shapes cannot offer. It is generally used for salvage, diving and buoyancy-assistance work at water depths of at least 5 m.
- Made from PVC-coated polyester or TPU. The 1.2-1.4 mm material is abrasion-resistant and corrosion-resistant, with high-frequency welded seams.
- Automatic pressure-relief valves are fitted on the side. A manual pressure-relief valve with lanyard is optional. Industrial webbing has a nominal 7:1 safety ratio.
- Capacities from 100 kg to 4 t and custom colors are available.



Technical Specifications

Dimensions are nominal and shown in centimeters.

Capacity	Dimensions (cm)	Slings	Auto PRV	Inflation	Shackles	Ring
100 kg	105 × 80	2	2	1	2	1
250 kg	135 × 90	2	2	1	2	1
500 kg	142 × 130	2	2	1	2	1
1 t	190 × 170	2	4	1	2	1
2 t	230 × 210	2	4	1	2	1
3 t	300 × 210	2	4	2	2	1
4 t	300 × 250	2	4	2	2	1

Configuration note

Valve quantities and attachment details can be customized for the intended lifting plan and local operating procedure.

Complete Lift Bag System

All auxiliary equipment shown with its corresponding English name.



Air Cylinder



Air Compressor



Triple-Gauge Regulator



Adapter



Inflation Hose



Inflation Control Panel

- A complete system can combine inflatable lift bags, a surface compressor, underwater air cylinders, regulator set, adapters, inflation hoses and an adjustable control panel.
- The control panel provides two high-pressure inlets for switching between portable cylinders and a compressor supply.
- Two low-pressure outlets allow synchronized inflation of two bags; linked panels can support multiple groups.
- Adjustable flow control helps manage ascent speed and reduce the risk of uncontrolled rapid lifting.

LET'S LIFT SAFELY.

Tell us the load, working depth and lifting method.

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Custom capacities, colors and connection configurations are available.

