



parachute air lift bags

Manufactured in a range of capacities from 25kg / 55lbs for recreational diving enthusiasts, up to 50,000kg / 110,000lbs for serious commercial salvage operations.

All our lift bags from 250kg upwards, are manufactured from European produced heavy duty 3x3 weave PVC coated polyester, with a total weight of 1680g/m² / 50 oz/yd².

Each bag comes with the following components as standard.

- Log book with type test certificate.
- Top mounted manual dump valve with lanyard, operated from the bottom of the bag.
- Stitched polyester webbing straps from 250kg upwards with single attachment load shackle.
- Clearly labelled inversion line attachment point.

Bags from 3,000kg / 6,600lbs benefit from a top mounted 3/4" inlet valve assembly and quick release camlock coupling.

Lift bags can be folded and tightly packed to make the best use of storage, with an added benefit of 25kg to 100kg capacities being available in a wide choice of colours, to match Corporate branding or diving club colours.

All lift bags have been independently TUV/NEL type tested in excess of 6:1 to ensure compliance with recently updated IMCA D 016 Rev. 4 guidelines, and are manufactured in an BS EN ISO 9001:2008 environment.



5 tonnes parachute air lift bag, before and during type testing. Recorded peak load of 51 tonnes, giving 10:1 safety factor.

All Structure-flex bags pass rigorous quality control and are inspected to **BS EN ISO 9001** requirements. They have also been independently **TUV/NEL** type tested to ensure compliance with recently updated **IMCA D 016 Rev. 4 guidelines**. All of the bags have achieved a safe working load **ratio of 6:1** or greater.

BS EN ISO 9001:2008 Certificate Number – FM 13052



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technical specifications & parts

Model No.	CAPACITY (KG/lbs)	BAG HEIGHT (mm/inch)	BAG DIAMETER (mm/inch)	MATERIAL SPECIFICATION	SMALL DUMP VALVE	LARGE DUMP VALVE	3/4" FILL VALVE
PBO-25	25/55	380/15	400/16	2 x 2 PVC 900gsm 26oz/lyd ²	✓		
PBO-50	50/110	530/21	510/20	2 x 2 PVC 900gsm 26oz/lyd ²	✓		
PBO-100	100/220	770/30	610/24	2 x 2 PVC 900gsm 26oz/lyd ²	✓		
PBO-250	250/550	1,000/39	810/32	3 x 3 PVC 1680gsm 50oz/lyd ²	✓		
PBO-500	500/1,100	1,250/49	1,100/43	3 x 3 PVC 1680gsm 50oz/lyd ²	✓		
PBO-1000	1,000/2,200	1,490/59	1,325/52	3 x 3 PVC 1680gsm 50oz/lyd ²		✓	
PBO-2000	2,000/4,400	1,950/77	1,650/65	3 x 3 PVC 1680gsm 50oz/lyd ²		✓	
PBO-3000	3,000/6,600	2,190/86	1,900/75	3 x 3 PVC 1680gsm 50oz/lyd ²		✓	✓
PBO-5000	5,000/11,000	2,590/102	2,250/89	3 x 3 PVC 1680gsm 50oz/lyd ²		✓	✓
PBO-10000	10,000/22,000	3,960/156	2,550/100	3 x 3 PVC 1680gsm 50oz/lyd ²		✓	✓
PBO-20000	20,000/44,000	4,400/173	3,500/138	3 x 3 PVC 1680gsm 50oz/lyd ²		✓	✓
PBO-35000	35,000/77,000	5,300/209	4,200/165	3 x 3 PVC 1680gsm 50oz/lyd ²		✓	✓
PBO-50000	50,000/110,000	5,600/220	5,000/197	3 x 3 PVC 1680gsm 50oz/lyd ²		✓	✓

25-100kg **250-500kg** **1,000-5,000kg** **10,000-50,000kg**

55-220lbs 550-1,100lbs 2,200-11,000lbs 22,000-110,000lbs

A6 Dump Valve (25,50 & 100kg)

A10 Dump Valve (250 & 500kg)

Large Dump Valve (1000-50,000kg)

3/4" Fill Valve (3000-50,000kg)

The removable full cradle assembly harness allows for a higher level of serviceability from our one tonne model and up.

**For illustrative purposes only*