



canflex
(USA) , Inc.



ISO 9001-2000
FM 517957

“HEAVY DUTY” AIR INFLATABLE UNDER WATER LIFT & SALVAGE BALLOONS

The **Canflex** Heavy Duty Air Inflated products are used world-wide for raising sunken objects, vessel salvage, marine structure stabilization, under water equipment transport, pipeline and equipment towing, and standby emergency buoyancy. The following is our condensed information list of the lift balloons or also called lift bags *standard product line*. All standard items and sizes shown are fabricated from heavy duty polyester fabric, coated with PVC / Urethane to ensure excellent air retention and ensure good abrasion resistance. All seams are electronically -high frequency welded for extra strength. **(No Gluing or sewing of coated fabric)**



BALLOON SHAPED- TOTALLY ENCLOSED/ OPEN BOTTOM

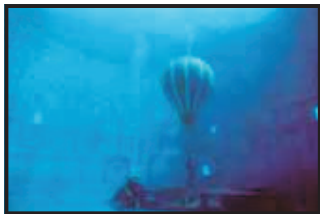
Lift Capacities: 1 tonne thru. 50 tonne

The Canflex Model “TE/DLE” balloons (Totally Enclose style) & “OB/DLE” balloons (Totally Enclose style) are tear drop shaped units used for supporting loads on the surface of the water or used for lifting objects from any depth, respectively.

These balloons are equipped with one positive venting relief/dump valve mounted in center of the top lift plate. This valve is spring loaded and spring pressure can be set to automatically open when overpressure or can be inverted and used as diver controlled manual dump.

All TE/DLE balloons up to 15 tonne capacity, come with a 146 mm threaded connector and an air tight cap. The use of this bottom fitting allows the bag to be either totally enclosed TE/DLE or open bottom OB/DLE.

All balloons come with polyester lift straps treated with special coating to prevent against UV degradation and appropriate screw pin shackle for a single point of lifting. Materials used for fabrication are high tenacity TPU/PVC coated polyester fabrics in range of weight from 48 to 88 oz/yd².



TERAHEDRON SHAPE- ENCLOSED BOTTOM/ OPEN BOTTOM

Lift Capacities: 100 kg (220 lbs) thru. 500 kg.- (1100 lbs)

The “SLE”-Enclosed bottom or “SLD”- Open Bottom lift balloons are tetrahedron shaped units equipped with either a positive venting air relief valve or a diver controlled manual dump valve, respectively. The Enclosed bottom style also has a 98 mm threaded connector with an air tight cap. ALL bags come complete with polyester lift straps treated with special coating to prevent against UV degradation and “D” ring for a single lift point. Material used for fabrication is high tenacity TPU/PVC 48 oz/yd² coated Polyester fabric.

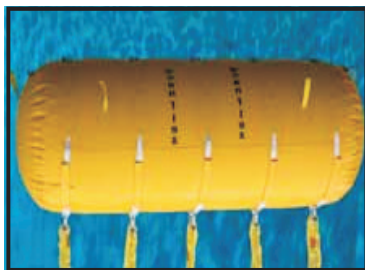
CYLINDRICAL SHAPE-TOTALLY ENCLOSED

Lift Capacities: 1 tonne thru 60 tonne

The Canflex Model “ELB” pontoon bags are cylindrically shaped units used for supporting loads in shallow water. These balloons are equipped with positive venting relief/dump valves mounted along the top. These valves are spring loaded and spring pressure set to automatically open when overpressured.

We also incorporate into our bag two drain valves with air tight caps on the bottom, these then allows the bag to be easily drained if water should find its way into the pontoon.

All bags come complete with polyester lift straps treated with special coating to prevent against UV degradation and appropriate screw pin shackles. Materials used for fabrication are high tenacity TPU/PVC coated polyester fabrics in range of weight from 48 to 88 oz/yd².



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UNDERWATER LIFT BAGS SUMMARY

“MODEL “DLE” “BALLON STYLE” TE/DLE TOTALLY ENCLOSED & OB/DLE OPEN BOTTOM

		LIFT CAPACITY		HEIGHT		WIDTH		VOLUME		SHIPPING CUBE		DRY WEIGHT	
		Kg.	lb.	m	ft-in	m	ft-in	m ³	ft ³	m ³	ft ³	Kg.	lb.
*	DLE-1	1000	2200	1.80	5'-11"	1.20	3'-11"	1.00	35.32	0.15	5.4	20.41	45
*	DLE-2	2000	4400	2.20	7'-3"	1.50	4'-11"	2.00	70.63	0.18	6.5	27.22	60
*	DLE-3	3000	6600	2.60	8'-7"	1.70	5'-8"	3.00	105.95	0.24	8.4	34.02	75
*	DLE-4	4000	8800	2.85	9'-4"	1.91	6'-3"	4.00	141.26	0.30	10.5	39.46	87
*	DLE-5	5000	11000	3.00	10'-0"	2.00	6'-8"	5.00	176.58	0.40	14.0	45.36	100
*	DLE-6	6000	13200	3.35	11'-0"	2.31	7'-7"	6.00	211.89	0.45	16.0	54.43	120
*	DLE-8	8000	17600	3.56	11'-8"	2.38	7'-9"	8.00	282.52	0.49	17.3	63.50	140
*	DLE-10	10000	22000	3.84	12'-7"	2.56	8'-4"	10.00	353.15	0.57	20.0	74.84	165
*	DLE-12	12000	24000	4.08	13'-4"	2.72	8'-11"	12.00	423.78	0.68	24.0	90.72	200
**	DLE-15	15000	33000	4.26	14'-0"	2.98	9'-10"	15.00	529.73	0.85	30.0	145.15	320
**	DLE-20	20000	44000	5.96	19'-7"	3.42	11'-3"	20.00	706.30	1.81	64.0	172.36	380
**	DLE-25	25000	55000	6.07	19'-11"	3.86	12'-8"	25.00	882.88	1.81	64.0	208.65	460
***	DLE-35	35000	77000	6.80	22'-4"	4.29	14'-1"	35.00	1236.03	1.81	64.0	249.47	550
***	DLE-40	40000	88000	7.32	24'-0"	4.46	14'-8"	40.00	1412.60	2.27	80.0	331.12	730
****	DLE-50	50000	110000	7.62	25'-0"	5.09	16'-8"	50.00	1765.75	2.27	80.0	476.27	1050

“MODEL “SLD/E” “TETRAHEDRON STYLE” SLD (OPEN BOTTOM), SLE (TOTALLY ENCLOSED)

		LIFT CAPACITY		HEIGHT		BASE		VOLUME		SHIPPING CUBE		DRY WEIGHT	
		Kg.	lb.	m	in	m	in	m ³	ft ³	m ³	ft ³	Kg.	lb.
*	SLE/D-100	100	220	0.85	33.50	0.85	33.5	0.10	3.53	0.012	0.4	3.6	8.0
*	SLE/D-272	272	600	1.13	44.75	1.19	47.0	0.272	9.60	0.014	0.5	4.0	8.8
*	SLE/D-500	500	1100	1.33	52.50	1.42	56.0	0.50	17.60	0.014	0.5	5.0	11.0

“MODEL “ELB” “PONTOON STYLE” TOTALLY ENCLOSED

		LIFT CAPACITY		LENGHT		DIAMETER		VOLUME		SHIPPING CUBE		DRY WEIGHT	
		Kg.	lb.	m	ft-in	m	ft-in	m ³	ft ³	m ³	ft ³	Kg.	lb.
*	ELB-1	1000	2200	1.44	4'-8"	0.97	3'-2"	1.00	35.32	0.15	5.4	27.15	60
*	ELB-2	2000	4400	1.96	6'-5"	1.17	3'-10"	2.00	70.63	0.18	6.5	36.20	80
*	ELB-3	3000	6600	2.00	6'-6"	1.40	4'-7"	3.00	105.95	0.24	8.4	45.25	100
*	ELB-5	5000	11000	3.40	11'-2"	1.40	4'-7"	5.00	176.58	0.40	14.0	60.33	133
*	ELB-6	6000	13228	3.55	11'-8"	1.52	5'-0"	6.00	211.88	0.40	14.0	75.00	165
*	ELB-8	8000	17600	3.75	12'-4"	1.68	5'-6"	8.00	282.52	0.49	17.3	84.46	186
*	ELB-10	10000	22000	4.10	13'-5"	1.90	6'-2"	10.00	353.15	0.57	20.0	120.65	266
***	ELB-15	15000	33000	4.30	14'-1"	2.15	7'-0"	15.00	529.73	0.85	30.0	193.05	426
***	ELB-20	20000	44000	4.51	14'-10"	2.43	8'-0"	20.00	706.30	1.81	64.0	229.24	505
***	ELB-25	25000	55000	4.82	15'-10"	2.68	8'-10"	25.00	882.88	1.81	64.0	277.51	612
***	ELB-35	35000	77000	6.52	21'-5"	2.68	8'-10"	35.00	1236.03	1.81	64.0	331.80	732
****	ELB-50	50000	110000	8.38	27'-6"	2.92	9'-7"	50.00	1765.75	2.27	80.0	633.44	1397
****	ELB-60	60000	132000	9.14	30'-0"	3.08	10'-0"	60.00	2118.88	2.30	82.0	680.39	1500

NOTE: All capacities are based on fresh water, 100 Kg/m³ (62.4 lbs/ft³)
 1000 Kg = 1 Metric Tonne = 2205 lbs; 1 Short Ton = 2000 lbs; 1 Long Tonne = 2240 lbs

MATERIAL SPECIFICATIONS: “High Tenacity Polyester Fabric – Polyurethane PVC blend coated fabric”

- (*) 13.00 oz. fabric coated to total weight **48 oz/yd²** (1622 g/m²). Tensile Strength 924 lbs/in (8090 N/5cm)
- (**) 18.13 oz. fabric coated to total weight **56 oz/yd²** (1884 g/m²). Tensile Strength 1260 lbs/in (11034 N/5cm)
- (***) 28.30 oz. fabric coated to total weight **67 oz/yd²** (2278 g/m²). Tensile Strength 1484 lbs/in (13000 N/5cm)
- (****) 38.30 oz. fabric coated to total weight **89 oz/yd²** (3024 g/m²). Tensile Strength 2057 lbs/in (18000 N/5cm)

All underwater lift bags are completely equipped including the appropriate quantity of automatic air relief valves with manual dump capability, lift harness of high strength polyester webbing enclosed in pockets attached to the side of the bag, and screw pin shackles attached to the bottom lift harness

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