



SKYFLEX - HELI-LIFTABLE TANKS

SkyFlex is Canflex (USA) Inc.'s family of heli-liftable, collapsible flexible bladders designed for aerial transport, ground handling, and multi-platform liquid transfer in remote or infrastructure-limited environments.

Key Features & Advantages

- Lifted externally by helicopter
- Transported empty or filled on trucks or trailers
- Deployed on vessels, barges, or prepared ground, and
- Lifted from the ground onto vehicles or platforms as required.
- 2-inch fill/offload and dedicated 2-inch venting for controlled, high-flow transfer
- Bottom dry-disconnect standard on fuel models, optional on water and single-skin models

All SkyFlex bladders are designed for Air, Ground and Sea

- Lift as single-point external helicopter loads,
- Remain stable on uneven terrain,
- Collapse compactly when empty for transport and storage, and
- Operate reliably across civil, government, and military environments.

Capacities range from 200 to 2000 liters (55 to 530 USG).

SKYFLEX BLADDERS CONFIGURATIONS

Fuel Dual Skin (FU-DS)

Fuel logistics • Dual containment • TCB integration

Potable Water Dual Skin (PW-DS)

Potable water • Relief & remote supply

Single Skin

Lightweight • Firefighting & spill response



CANFLEX SKYFLEX – HELI-LIFTABLE WTANKS

FUEL DUAL SKIN BLADDERS – HELI-LIFTABLE (FU-DS)

Fuel Dual Skin SkyFlex bladders are engineered for the safe transport and temporary storage of hydrocarbons during aerial, ground, and maritime operations in remote, austere, or infrastructure-limited environments.

A dual-skin construction combines:

- an inner fuel bladder for primary containment, and
- a structural outer shell that carries all lifting loads and provides secondary containment during external lift and handling.

These models support aviation and ground fuels and are commonly used across military, government, and commercial operations, including expeditionary logistics, forward refueling, emergency fuel delivery, disaster response, and remote industrial fuel support.

Fuel Dual Skin SkyFlex bladders are designed to integrate with Canflex Transportable Collapsible Bladders (TCBs), enabling scalable fuel logistics from aerial delivery to ground-based bulk storage and distribution for both defense and civilian applications.

POTABLE WATER DUAL SKIN BLADDERS – HELI-LIFTABLE (PW-DS)

Potable Water Dual Skin SkyFlex bladders share the same lift geometry and structural design as the fuel models, with an inner bladder formulation suitable for potable water service.

They are used for humanitarian assistance, disaster relief, remote water supply, and operations where repeated lift cycles and rugged ground handling are required.

WATER & OIL SPILL SINGLE SKIN BLADDERS – HELI-LIFTABLE

Single-skin SkyFlex bladders are optimized for weight-sensitive missions, while still supporting aerial lift, ground handling, and multi-platform deployment.

Typical uses include:

- non-potable water transport,
- firefighting support,
- oil spill response, and
- industrial or environmental operations.

The single-skin design reduces dry weight while maintaining stable handling during lift and ground operations.

FUEL DUAL SKIN BLADDERS – HELI-LIFTABLE (FU-DS)

MODEL	CAPACITY	BASE Ø	TOP Ø	FILLED HEIGHT†	FILLED WEIGHT‡	DRY WEIGHT
HLC-55/FU-DS*	55 USG / 208 L	81.3 CM/32 IN	50.8 CM/20 IN	50.8 CM/20 IN	221 KG/487 LB	13.6 KG/30 LB
HLC-75/FU-DS*	75 USG / 284 L	81.3 CM/32 IN	50.8 CM/20 IN	58.4 CM/23 IN	300 KG/662 LB	16 KG/35 LB
HLC-100/FU-DS*	100 USG / 378 L	101.6 CM/40 IN	50.8 CM/20 IN	83.8 CM/33 IN	405 KG/893 LB	27.2 KG/60 LB
HLC-150/FU-DS*	150 USG / 568 L	119.4 CM/47 IN	63.5 CM/25 IN	83.8 CM/33 IN	598 KG/1320 LB	29.5 KG/65 LB
HLC-250/FU-DS**	250 USG/946 L	140 CM/55.5 IN	63.5 CM/25 IN	210 CM/83 IN	1,184 KG/2,610 LB	48 KG/105 LB
HLC-500/FU-DS**	500 USG/1,890 L	140 CM/55.5 IN	63.5 CM/25 IN	280 CM/113 IN	1,966 KG/4,335 LB	77 KG/170 LB

POTABLE WATER DUAL SKIN BLADDERS – HELI-LIFTABLE (PW-DS)

MODEL	CAPACITY	BASE Ø	TOP Ø	FILLED HEIGHT†	FILLED WEIGHT‡	DRY WEIGHT
HLC-55/PW-DS*	55 USG/208 L	81.3 CM/32 IN	50.8 CM/20 IN	50.8 CM/20 IN	221 KG/487 LB	13.6 KG/30 LB
HLC-75/PW-DS*	75 USG/284 L	81.3 CM/32 IN	50.8 CM/20 IN	58.4 CM/23 IN	300 KG/662 LB	16 KG/35 LB
HLC-100/PW-DS*	100 USG/378 L	101.6 CM/40 IN	50.8 CM/20 IN	83.8 CM/33 IN	405 KG/893 LB	27.2 KG/60 LB
HLC-150/PW-DS*	150 USG/568 L	119.4 CM/47 IN	63.5 CM/25 IN	83.8 CM/33 IN	598 KG/1,320 LB	29.5 KG/65 LB
HLC-250/PW-DS**	250 USG/946 L	140 CM/55.5 IN	63.5 CM/25 IN	210 CM/83 IN	1,184 KG/2,610 LB	48 KG/105 LB
HLC-500/PW-DS**	500 USG/1,890 L	140 CM/55.5 IN	63.5 CM/25 IN	280 CM/113 IN	1,966 KG/4,335 LB	77 KG/170 LB

WATER & OIL SPILL SINGLE SKIN BLADDERS – HELI-LIFTABLE

MODEL	CAPACITY	BASE Ø	TOP Ø	FILLED HEIGHT†	FILLED WEIGHT‡	DRY WEIGHT
HLC-55*	55 USG/208 L	81.3 CM/32 IN	50.8 CM/20 IN	50.8 CM/20 IN	221 KG/487 LB	10 KG/23 LB
HLC-75*	75 USG/284 L	81.3 CM/32 IN	50.8 CM/20 IN	58.4 CM/23 IN	300 KG/662 LB	12 KG/26 LB
HLC-100*	100 USG/378 L	101.6 CM/40 IN	50.8 CM/20 IN	83.8 CM/33 IN	405 KG/893 LB	20 KG/45 LB
HLC-150*	150 USG/568 L	119.4 CM/47 IN	63.5 CM/25 IN	83.8 CM/33 IN	598 KG/1,320 LB	22 KG/49 LB
HLC-250**	250 USG/946 L	140 CM/55.5 IN	63.5 CM/25 IN	210 CM/83 IN	1,184 KG/2,610 LB	36 KG/79 LB
HLC-500**	500 USG/1,890 L	140 CM/55.5 IN	63.5 CM/25 IN	280 CM/113 IN	1,966 KG/4,335 LB	58 KG/128 LB

Lift Configuration Notes

* HLC-55, 75, 100, and 150 models, single or dual skin, incorporate four (4) lift straps and a 1-inch safety shackle.

** HLC-250 and 500 models, single or dual skin, incorporate six (6) lift straps and a 1-1/4-inch safety shackle.

† Filled height without straps and top shackle.

‡ Filled weight based on freshwater density. Filled weight shown does not represent maximum allowable external lift rating.