



CHINOOK HELITANKER

VERY LARGE HELITANKER (VLHT)

The Chinook Helitanker is a converted military aircraft that has been designed to be the biggest, smartest, and most effective Helitanker in the world and is proving itself to be the most effective water bombing helicopter in the world.

The Helitankers have the following capabilities and capacity:

- Enroute airspeed - 130 knots
- Loaded airspeed - 100 knots
- Endurance - fuel cycle - 2 hours
- Time to refuel - minimum 5 minutes - 1028 gallons total fuel capacity

The Helitanker has an internal water tanker with the most effective water delivery system capable of delivering all the water or a partial amount of water based on the fire operations. The water delivery system is controlled by the pilot.

The Helitanker can fly day and night, therefore operating 24/7, and can “hover fill” at any time.

The refilling system has a retractable snorkel that withdraws into the aircraft, allowing the Helitanker to fly faster and safer.

The tank can be filled without landing and during a “hover” fill, it can refill the tank in under 2 minutes.

The internal tank is light weight construction and has a total capability of 3,000 gallons. During operations, the total operational amount of water will vary based on the aircraft operating altitude, weather factors (such as wind speed, wind direction and temperature), and the amount of fuel the Helitanker is carrying.

The Helitanker will take off fully fueled and can commence operations with a lesser amount of water, as the water increases with each refill, and as fuel is consumed.



RADS-L DELIVERY SYSTEM

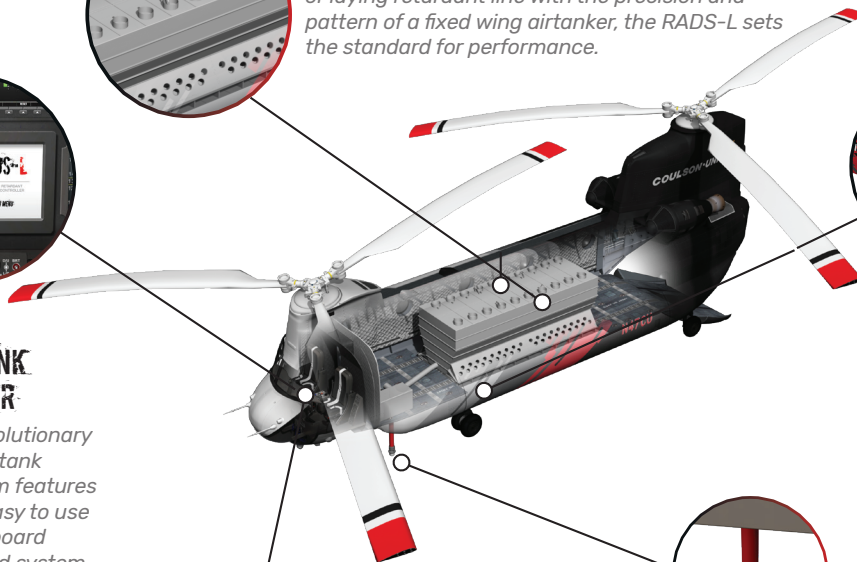
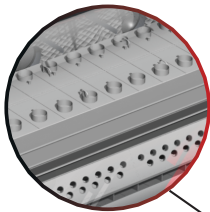
Based on the proven Coulson Design, the RADS-L 3,000 USG Tank is the newest generation Type 1 Heavy Helicopter Delivery System. Capable of direct attack with the industry's highest flow rate, or laying retardant line with the precision and pattern of a fixed wing airtanker, the RADS-L sets the standard for performance.

RADS-L HELITANKER

VNE: 170 KIAS,
Cruise: 140 KIAS
Maximum Takeoff Weight: 50,000lbs.
Service Ceiling: 20,000 ft.
Hook Weight: 26,000 lbs.

RADS-L TANK CONTROLLER

Coulson's revolutionary touch screen tank control system features an intuitive easy to use interface, onboard diagnostic and system health pages, and a GPS Speed and Radar Altimeter bias to ensure the optimal drop pattern is achieved on the ground.



NEXT GEN NVG COCKPIT

Utilizing the latest NVG Compatible Garmin Synthetic Vision Technology, paired up to Howells' Advanced Engine Instrumentation System, along with a suite of both Thermal and Color cameras, the Coulson Unical fleet of CH-47's will be equipped with the industry leading IFR Utility Avionics increasing the crew situational awareness and safety margin.



RADS-DOORS

The RADS-L has a permanently installed lower tank with a modified fuselage to optimize drop performance and efficiency. The long, linear door system is industry recognized as the premier door setup and is the only design feature that has been specifically requested by fire agencies. What about the hooks? The RADS-L is the only system in the world that allows the operator to install any of the three hooks with the tank fully installed.

RETRACTABLE SNORKEL

Speed to and from the fire is paramount. Coulson's new retractable snorkel system ensures no airspeed restriction and provides the CH-47 with the ability to taxi in and out of bases to ground fill with any product required.

