

ADDS PACK

Airborne Dispersant Delivery System

The Airborne Dispersant Delivery System, or ADDS Pack, is designed and certified for operation from a modified L382 Hercules aircraft. The system comprises a roll-on roll-off aluminium tank and two centrifugal pumps with a full function remote control. The ADDS pack is specifically designed for offshore response, where a high encounter rates for dispersant application are required..



Features

- Easy handling and transportation
- Transported by Hercules aircraft with a 5000USG capacity
- Pressure or gravity fill
Limited aircraft modification required
- Rapid installation and removal
- Retractable spray arms
- FAA-certified

Operational Capacity	20,000 litres (5,000 USG)
System Flow Rates	1,333 LPM (352 USG/min) per single pump operation
Effective Swath	150 ft est.
Application Rates	100-600 USG/min (1-10 USG/acre) est.



Specifications

- A roll-on roll-off tank with a total capacity of 5,500 US gallons.
- Application rate from two centrifugal pumps is between 100-600 gallons per minute.
- An adaptor frame supports 2 x 20 ft. booms, each with 44 nozzles.
- Total swath width is 150 ft.
- Application rate can be varied from 1-10 gallons/ acre.
- All functions are fully accessible via remote control.

Ancillaries	Loading system, spares box, tool box.			
Weight	ADDS Pack (dry)	1996 kg	Loading system	410 kg
	Large Barrier	646 kg	Small Barrier	412 kg
Dimensions	ADDS Pack (dry)	9 x 2 x 2.35m	Loading system	1.66 x 1.5 x 0.7m
	Large Barrier	2.7 x 1.8 x 2m	Small Barrier	1.7 x 1.8 x 2m
Location	Southampton, Singapore, Bahrain			



NIMBUS System

Airborne Dispersant Delivery

The NIMBUS L-382 is a modular dispersant spray system designed and certified for operation from an unmodified Lockheed L382 Hercules aircraft. This unique system comprises four tank modules and a combined spray arm/ pump module. For response organisations with worldwide commitments, the flexibility of the modular design provides the potential for a significant reduction in response times as NIMBUS can be transported by conventional jet transport aircraft to distant locations for installation in a pre-positioned aircraft. The result is a much faster response to remote oil spills which is a critical factor in the successful use of dispersants.

Features

- Modular design for easy handling and transportation
- Transported by conventional jet cargo aircraft
- 12 tonne capacity
- Pressure or gravity fill
- No aircraft modification
- Rapid installation and removal
- Retractable spray arms
- Full Aviation certification

Operational Capacity	12,000 litres (3,170 USG)
System Flow Rates	1,333 LPM (352 USG/min) per single pump operation
Effective Swath	130 ft est.
Application Rates	75-80 litres / hectare (8-9 USG/acre) est.

Specifications	<ul style="list-style-type: none"> • Four tanks carrying 3 tonnes of dispersant each. • The pump unit (centrifugal) and spray-arm module sprays dispersant with a swath width of 40m. The system can treat up to 10km²/hr (4 sq. miles/hr)
Ancillaries	Loading system, spares box, tool box.
Weight	1,360 kg per tank (empty)
Dimensions	2.74 x 2.24 x 1.14m
Location	Southampton, Singapore, Bahrain

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