

ARK — AERIAL RESCUE KIT MARINE VERSION

The Aerial Rescue Kit (ARK) is a hand-launched life saving system, capable of being deployed from a wide variety of aircraft utilising the aft ramp or side door.

- The system delivers life rafts, complete with survival equipment inside, to survivors in the water. Connected to each other with buoyant rope, two, three or four kits can be placed in a straightline pattern on the water surface.
- The kits are dropped upwind of the survivors, allowing for natural drift and the interconnecting buoyant rope to provide maximum area coverage and easy survivor access.
- ARK uses identical life saving kits and is very effective in accurately delivering life saving equipment to survivors. Each life raft remains inside its valise until it is immersed in the water. At this time the water activated device will inflate the life raft, detaching the drogue parachute and valise from the life raft to avoid possible entanglement of the survivors.

Each Kit Contains the Following:

- Parachute Assembly
- Life Raft Assembly
- Survival Kit Assembly
- Rope Assembly
- Valise Assembly
- Static Line Assembly

Also available:

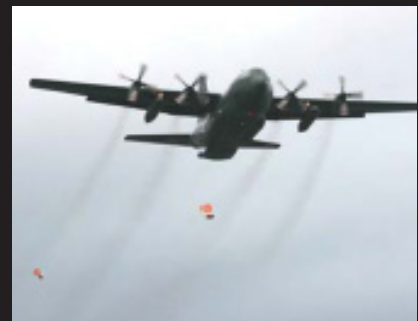
- Pilot and Dispatch Crew Training Systems
- Arctic/Land Aerial Rescue Kits

TECHNICAL SPECIFICATION

Life Raft Separation	Up to 560 ft (2 kits) (1100 ft, 4 kits)
Rate of Descent	70 ft/sec
Typical Single Kit Weight	70 – 80 lb (subject to life raft/kit)
Deployment Speed/Altitude	130 – 150 kts / 300 – 500 ft MSL



ARK Side Door Despatch



C130 Deployment



CF-115 Deployment



Inflated Life Raft on Water

Advantages of the ARK (Marine Version)

- **The Four Kit Drop**

ARK can place up to a maximum of four kits into the water. Each kit contains a life raft complete with survival equipment. A variety of life rafts and survival equipment can be adapted for this system allowing use of current, in-service equipment.

- **Survival Equipment Packed Inside of Life Raft**

This ensures quick and easy access to life saving equipment such as blankets, water, first aid kit, flares, etc. (as specified by the customer). The easy access means that exhausted and possibly injured survivors do not have to spend additional energy pulling and then lifting the equipment into the raft.

- **Inflation at Sea Level**

After water immersion, inflation of the life raft and deployment of a fast acting sea anchor is automatic. This is a major improvement over systems that inflate life rafts in the air, and are prone to being blown out of position. The ARK descends to the water quickly and by the time the rafts inflate, the sea anchor is already deployed. Typically systems are deployed within 50 ft of target.

- **Easy Access**

The buoyant, connecting rope guides survivors to the nearest life raft, creating an important lifeline to safety especially in stormy conditions.

- **On Scene Configuration**

The kits are identical, allowing them to be configured on scene to allow for a variety of raft separation patterns (e.g. 280 ft, 560 ft, a maximum spread of 1,100 ft can be obtained).

- **Training Available**

A training system is available which replicates the operational system in size, weight, and form. The training systems allow for practice drops to train new personnel and improve accuracy without actually using the life rafts, which require higher maintenance costs. Training systems are of a different colour to eliminate chance of misuse.



Fully inflated raft at water level



Parachute delivery of ARK