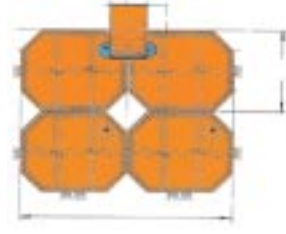
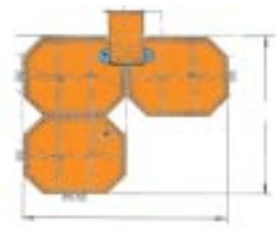
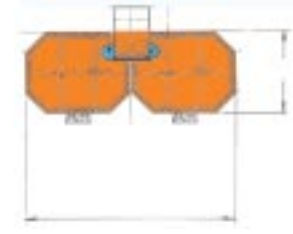
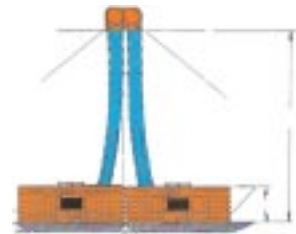


System Configurations

- RFD provide a range of system configurations to suit all types and sizes of passenger vessels from conventional Ro-Ro ferries, cruise ships and high speed ferries.



Installed Heights

- A pack 8 - 17m
- B pack 8 - 23.5m

Model 212

- 2 chutes and 2 liferafts
- Weight - A pack 3860kg B pack 3620kg
- Capacity - 212 persons

Model 321

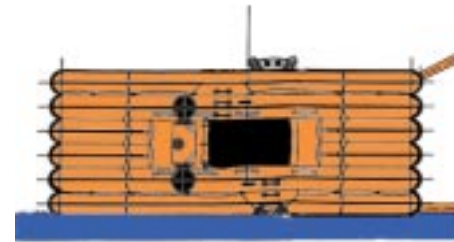
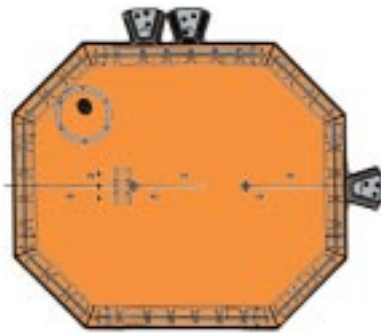
- 2 chutes and 3 liferafts
- Weight - A pack 4860kg B pack 4500kg
- Capacity - 321 persons

Model 430

- 2 chutes and 4 liferafts
- Weight - A pack 5860kg B pack 5380kg
- Capacity - 430 persons

Stand Alone Liferaft

- Weight - A pack 1000kg. B pack 880kg
- Capacity - 106/109 persons
- Container dimensions: A pack 2.6m length x 1m diameter B pack 2.3m length x 1m diameter

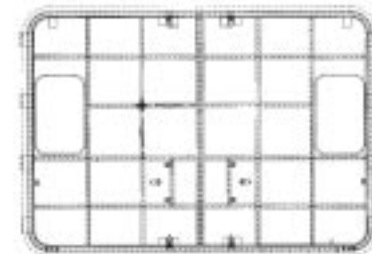
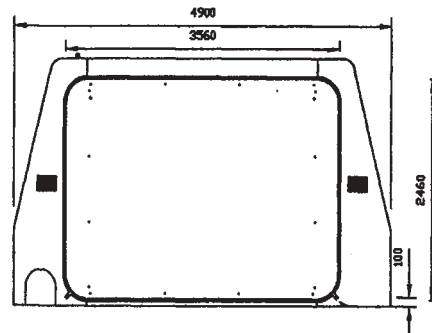


- Single and double launching racks available
- Single point bowing option - to bowse liferaft flush to the ship's side following deployment
- Required towing force at 2 knots is 214 kN

Installation Options

Open Deck Installation

- Comes with GRP weather proof deck housing
- Weight - 840kg
- Dimensions - 4900mm length x 2500mm depth x 2750mm height



Between Deck Installation

- Comes with option of ship's door and door frame
- Weight - 300kg
- Dimensions - Aperture 3650mm length x 2550mm height c/w corner radii

...the **ultimate** evacuation system

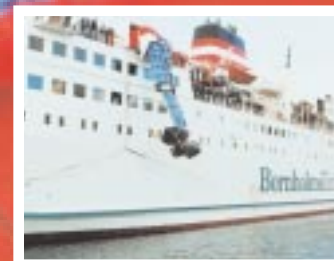


RFD Marin-Ark is the first evacuation system in the world to comply with the latest International Maritime Organisation (IMO)/SOLAS Chapter III regulations:

- | | |
|-------------------------------|-----------------|
| National Approval Authorities | |
| ■ MCA UK | ■ GMSI - Greece |
| ■ RINA - Italy | ■ FMA - Finland |
| ■ NMD - Norway | ■ USCG - USA |
| ■ NSI - Netherlands | ■ SNMA Swedish |
| ■ TCMS - Canada | |

- | | |
|--|--|
| Classification Societies | |
| ■ Lloyds Register | |
| ■ Germanischer Lloyd | |
| ■ Bureau Veritas | |
| ■ Det Norske Veritas | |
| ■ Class NK (stand alone liferaft only) | |

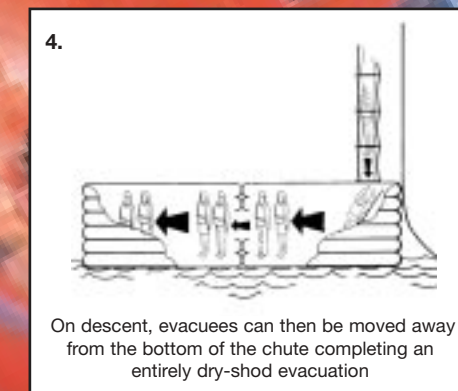
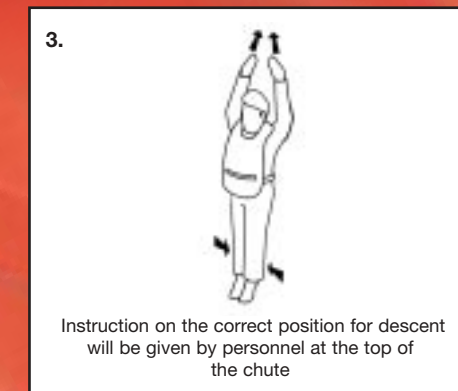
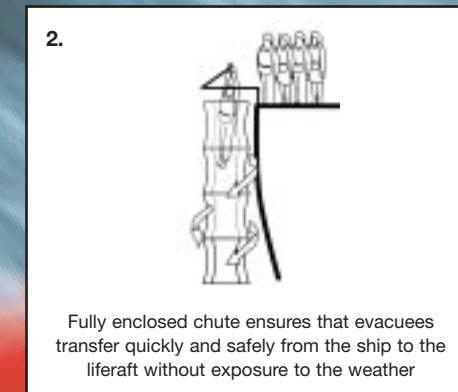
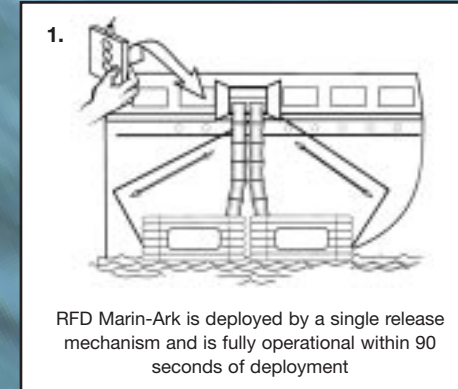
- | | |
|-----------------------------------|--|
| Marin-Ark Approvals | |
| ■ EC Type Examination Certificate | |
| ■ Cert. No. - MED 9950611 | |
| ■ Cert. No. - MED 9950519 | |



The RFD Marin-Ark marine evacuation system provides the most advanced way of evacuating passengers and crew from all types of passenger vessels in an emergency.

Evacuees transfer quickly and safely from the ship directly into the liferaft without exposure to the weather. The innovative RFD Marin-Ark was the first evacuation system in the world to fully comply with the latest International Maritime Organisation (IMO)/SOLAS Chapter III regulations governing safety on board passenger vessels.

RFD has over four decades of industry-leading experience dealing with marine evacuation systems and our ultimate survival system, the RFD Marin-Ark, has been installed on a substantial number of vessels including cruise ships, conventional passenger ferries and high-speed craft.



Impressive Marin-Ark Features

- Up to four totally reversible 100+ person capacity liferafts and two fully enclosed telescopic descent chutes, all housed within one complete stowage unit

Liferafts

- Fully reversible liferafts which always deploy the right way up
- Unique design ensures high stability in heavy weather
- Six separate buoyancies provide additional survivability in the event of damage

Chutes

- Enclosed chute protects evacuees from the environment, providing a completely dry-shod evacuation
- Unique telescopic design compensates for ship and sea motion and ensures the chute is continuously useable in all weather conditions
- Internal slide path design ensures a rapid and very safe descent for evacuees

Stowage

- The self-contained stowage unit enables the system to be installed on an open deck or between decks
- Stowage design ensures that chutes never come into contact with ship's side, even in the most severe conditions
- Automatically ejects and releases the liferafts to float free in the event of the sudden and catastrophic sinking of the ship

Key Benefits

- Ease of operation as the RFD Marin-Ark is deployed by a single release mechanism
- Speed of operation as the evacuation system is fully operational within 90 seconds of deployment
- Totally enclosed evacuation as evacuees transfer directly from the ship into the liferaft without exposure to the harsh marine environment
- Many installations successfully completed on new and existing vessels of all types and sizes, throughout the world
- Cost effective and efficient servicing, conducted by experienced and approved service engineers