Welcome to the V

VIKING is the world-leader in marine evacuation systems with over 1,300 systems in operation on passenger vessels all over the globe. Only VIKING can offer chute and slide evacuation systems for all vessel types and sizes.
The flexibility and depth of our range gives us the expertise to be able to support an extensive network of locally-based servicing technicians for cost-effective and convenient service, where and when our customers need it.

VIKING’s advanced marine evacuation systems provide fast and easy evacuation, exceptional stability and are trusted by passengers and crew worldwide.
VIKING’s evacuation dual chute system is designed for the largest passenger carrying vessels.

The evacuation dual chute, VEDC, is VIKING’s highest capacity chute system to date and is combined with 153 person high capacity liferafts for safe, rapid evacuation from large passenger carrying vessels.

This unique design combines the highest evacuation capacity with discreet, compact and self-contained design for maximum safety and relatively little deck disruption.

Largest capacity chute system available
The unique dual system is constructed from two conjoined chutes. The fully enclosed chute lined with aramid protects evacuees from environmental hazards, such as severe weather conditions, during descent directly into high capacity liferafts.

The design is based on extensive experience in manufacturing the market’s leading evacuation chute systems. Exhaustive trials have proven that the new system provides the stability and passenger protection synonymous with VIKING products.

Adaptable capacity
Each VEDC system contains two 153 person liferafts. Capacity can be increased to suit the exact ship requirement with additional drop liferafts.

Flexible installation
The system is self-contained and compact, which means that it can be installed in a vessel convenient position on deck or built into a suitable open recess. Additional liferafts can be stowed apart from the system and released by remote release when required.
Simple to deploy

VIKING's VEDC is simple to operate and is released simply by pulling on the release handle. The descending sledge carrying the liferafts pulls the chute from the chute box. As the sledge descends into the water, the liferafts automatically inflate, pulling the chute into place inside the inner liferaft.

This rapid deployment function means that the system takes just minutes to fully deploy and requires few trained crew members.

SOLAS requirements are minimum standards for VIKING

VIKING systems are tried and tested for capacity and stability in conditions at least matching, but often well above, those required for certification.

System features:

- Evacuation capacity: 908 people in 30 minutes
- The chute is reinforced with aramid that protects against the elements
- Embarkation heights between 8.9 and 16.8 metres
- Easy to deploy
- Requires few crew to operate and little specialised training
- Contains 2 high capacity 153 person liferafts
- Supplied with either SOLAS emergency A or B pack
- Complies with all major international regulations
- Available with service system
Flexible installation

Bowsing line

Elastic part for bowsing line

Liferaft

Additional capacity

VEDC 1

VEDC 2

Liferaft
**VEDC System** Type 2.2 + 2.3

**Type 2.2:** 2 x 153 person liferafts with emergency B pack.
**Type 2.3:** 2 x 153 person liferafts with emergency reduced A pack.

The system is approved for a max capacity of 908 persons.

The system can either be built into an open recess on the ship or installed free on deck without any additional covering.

This system type includes two high capacity 153 person self-righting liferafts containing SOLAS emergency reduced A pack or B pack.

The system will be moved forward for evacuation.

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<td>Length:</td>
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<td>Height:</td>
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**Weight**
- Reduced A pack: 4350 kg
- B pack: 4000 kg
VEDC System Type 2.4

2 x 153 person liferafts with emergency A pack.

The system is approved for a max capacity of 908 persons. The system is stationary, and can be built into an open recess on the vessel's side or installed free on deck without any additional covering.

Each system is installed with 2 x 153 person liferafts with SOLAS emergency A.

Dimensions
Length: 3308 mm
Height: 2820 mm
Depth: 2950 mm
Weight: 4525 kg
Capacity: 908 pers
**VEDC System** Type 2.7

2 x 153 person liferafts with emergency reduced A pack.

The system is approved for a max capacity of 908 persons.

The system can either be built into an open recess on the ship or installed free on deck without any additional covering.

Each system includes two high capacity 153 person self-righting liferafts containing SOLAS emergency reduced A pack.

The system includes equipment for lifting and lowering VEDC parts to and from the ship for service.

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**Dimensions**

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The system is activated by pulling the handle. The descending sledge pulls the chute box into the correct position for the following deployment steps.

The sledge continues to pull the chute out of the chute box and into position. It sinks in the water, automatically inflating the liferafts. During the final stage, the inflation pulls the chutes into the inflating liferaft. After bowsing the liferafts securely against the ship side, the system is ready for evacuation to begin. The entire process takes just two minutes.
two minutes

1. Deploy the VEDC system by simply pulling the handle.

2. The liferaft sledge is activated by Nitrogen (N₂).

3. The liferaft sledge is automatically launched in a controlled manner.

4. The pull of the sledge tilts the chute box.

5. The descending sledge pulls the chute out of the box.

6. The sledge and the liferafts reach the water.

7. The sledge sinks away, automatically releasing the liferafts by pulling the painter lines.

8. The chute ends inside the inflated liferaft.
VIKING Evacuation
Dual Chute System in action

The VEDC system provides safe and rapid evacuation directly into liferafts, and protects evacuees from environmental hazards, such as severe weather conditions.
Controlled descent

Access through the chute stowage box.

Controlled and protected descent to the liferafts. The passive descent technique does not require special training of crew or passengers.
Remote liferaft release

Remote release systems allow liferaft containers to be stored far away from the MES system.

The containers can be stored on racks anywhere on deck, even in inaccessible areas. The liferafts can be remotely released when required and are immediately ready to operate.


MRRS: Pumping on the release system pump creates a vacuum which in turn activates the hydrostatic release unit. A sharp stainless steel knife within the unit cuts through the rope that holds the liferaft in place.

Both the MRRS and the ERRS systems are effective and reliable methods of releasing liferafts from their storage rack.

Bowsing winches

Bowsing winches are used to bowse the liferafts into position in relation to the ship side.

The winch and bowsing line ensure that the liferaft remains stable alongside the ship and is not moved out of position by the movement of the waves.

VIKING systems include Andersen Winches. In situations where every second counts, these lightweight stainless steel winches allow for a rapid pull in of the line. Vertical ribs on the drum provide extra grip on the bowsing line, meaning that the winch needs to be turned fewer times.

The highly polished surface minimises the risk of jamming. The bowsing line slides easily up the self tailing drum, constantly pushed up by the following rope wind.

The spring loaded locking system in the handle means that the winch can easily be operated with one hand.
Certificates

EC Type examination certificate MES Chute (VEDC)
VIKING marine evacuation systems (MES) are designed to evacuate passengers and crew as quickly and safely as possible.

VIKING provides tailor made or standard marine evacuation systems to suit the individual customer's requirements.

The wide range of evacuation chutes, minichutes and slides means that VIKING is unique in providing evacuation systems to suit every type of vessel.

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**VIKING Evacuation MiniChute (VEMC)**

This system can be used by vessels with embarkation heights from 5-20 metres.

Although it was originally designed for small and medium sized vessels, its flexible design means that it can also be used for larger vessels.

The MiniChute has a pre- incorporated 101 or 153 person liferaft and can evacuate 582 people in 30 minutes.

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**VIKING Evacuation Slide (VES)**

The slide is a stable, efficient dry-shod evacuation system that can evacuate over 657 people in 30 minutes. It can be tailor-made to suit all types of vessels and is available with self-righting 25, 51 or 101 person liferaft combinations.

The 30° angle between slide and ship absorbs the movement of the sea and means that the system can be installed at extreme forward and aft positions. The slide is fitted with lines that allow for access up the slide, making it also a means of rescue.

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**VIKING Evacuation Dual Chute (VEDC)**

The evacuation dual chute, VEDC, is VIKING's highest capacity chute system with an evacuation capacity of 908 people in 30 minutes. It is combined with 153 person liferafts for safe, rapid evacuation from large passenger carrying vessels.

This unique design combines the highest evacuation capacity with discreet, compact and self-contained design for maximum safety and relatively little deck disruption.

Each VEDC system contains two 153 person liferafts. Capacity can be increased to suit the exact ship requirements with additional drop liferafts.

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**SOLAS liferaft system with slide (VELS, SMS)**

This MiniSlide system is designed for low embarkation vessels with independent slide and liferaft. The system requires only one crew member to operate and oversee evacuation. The new brake cushion system gives evacuees a clear stopping point at the bottom of the slide and a soft stop. The MiniSlide system has a 153 person liferaft, available with or without canopy to suit both open sea and protected waters. The systems can evacuate 501 people in 30 minutes and 303 people in 17 minutes and 40 seconds.

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EP Patent No. 2029239B1 - Patent Pending, NO
US Patent No. 8312967B2
EP Patent No. 2076316B1

US Patent No. 7159527B2
Davit launched liferafts (DKF, DKFS)

Davit launched liferafts are designed to be inflated and boarded at deck level, and then lowered into the water. They are available as self-righting canopied liferafts or standard canopied liferafts.

They are designed to carry 12, 25, 35 or 39 persons and are an effective means of dry-shod evacuation and can either be an alternative to chute or slide systems or a supplement.

VIKING Automatic Slide (VAS)

VIKING has developed a 153 person open reversible liferaft and minislide system packed into a single aluminum stowage box. The real magic of this system lies in its one-button, one-person release and operation.

The VAS system is designed and certified for vessels on domestic voyages such as ferries sailing in protected waters. It enables crew to evacuate up to 153 people in one go and is designed for evacuation heights between 1.5 - 3.65 metres.

The VAS system is very easy to install. It comes in a box that is placed flush with the ship side, bolted to the deck and ready to go. No bowsing lines or welded connection points on the ship side are necessary.

VIKING Evacuation Mini Slide (VEMS)

This system is designed for small vessels operating in any sea condition. It is available with either a 101 person open reversible liferaft for vessels operating in sheltered waters or a SOLAS compliant 101 person self-righting canopied liferaft for vessels operating at sea.

It is packed in a container the size of a standard liferaft container, simple to operate and fully operational within 2 minutes. The VEMS can evacuate 303 people in 17 minutes and 40 seconds and 501 people in 30 minutes.

VIKING Evacuation Chute (VEC)

The telescopic nature of the evacuation chute reinforced with aramid ensures a safe descent path and compensates for ship and sea movements so that evacuation is not obstructed. This system has the additional advantage of protecting evacuees from environmental hazards such as severe weather conditions during evacuation and is fitted with a protective cover.

The system has two or three pre-incorporated 101 person liferafts for ease of operation.

It is designed for installation heights of 5-20 m and has an evacuation capacity of 565 people in 30 minutes.

Direct boarding liferafts (DKS, DKR)

Direct boarding liferafts are typically used on-board small passenger ferries. They are available either as open reversible large capacity liferafts or as self-righting canopied liferafts.

Both types are available in 25, 51, 101, and 153 person sizes.

They are mounted on racks on-board the ship and normally released from their cradles with a remote release system. They are then bowsed to the ship for direct evacuation from the deck to the liferaft.

Throw overboard liferafts

Throw overboard liferafts are designed to be dropped overboard in their container and inflated in the water.

Self-righting canopied rafts are available in four sizes; 25, 51, 101 and 153 persons. Standard canopied rafts are available in eight sizes; 6, 8, 10, 12, 16, 20, 25 and 35 persons. Open reversible liferafts, for use in sheltered waters are available for: 6, 12, 20, 25, 51, 101 and 153 persons.

Liferafts with capacities of 25 and above can be used as supplementary liferafts to all VIKING marine evacuation systems.

Patent Pending, CN
EP Patent No. 2714502B1
US Patent No. 9067656B2
Liferafts by VIKING

Over 50 years of experience in designing and producing liferafts - and feedback from the industry - ensures that our liferafts are the best choice for maritime evacuation in an emergency.

VIKING liferafts are durable and can withstand the extreme conditions sometimes faced offshore. They can be used for evacuation in their own right, or together with offshore evacuation systems.
VIKING’s liferafts are found all over the globe - from the arctic to the tropics.

VIKING’s throw overboard and davit launchable liferafts are available in a standard version and a top of the line automatically self-righting version.

The proven self-righting liferafts ensure that no matter how the liferaft lands in the water it will always right itself ready for boarding.

All liferafts are equipped with a hydrostatic release unit to ensure that it inflates automatically under water if it has not been released manually.

Liferafts are subjected to rough sea trials and deployed at extremely low temperatures. Self-righting liferafts are also tested for automatic self-righting.

Standard features
- Equipped with emergency packs and additional liferaft equipment according to SOLAS requirements
- Provided with at least two individual buoyancy compartments. If one of the compartments is damaged, there will still be sufficient buoyancy to carry the specified number of passengers
- Stored in a rigid fibreglass container for durability
- Installed onboard either on cradles or racks

Liferaft types include:
- 25 person canopied liferafts
- 25, 51, 101 and 153 person self-righting liferafts
- 25, 51, 101 and 153 person open reversible liferafts

Patent Pending, CN
EP Patent No. 2714502B1
US Patent No. 9067656B2
VIKING is a global leader in maritime safety, providing and servicing essential safety equipment for passenger and cargo vessels, offshore installations, defence and fire fighting, fishing and yachting vessels.

VIKING offers a choice of product packages and systems that are standard or tailor made, and certified for the latest requirements.

The headquarters is located in Denmark. Our liferafts, marine evacuation systems and protective clothing are manufactured at production facilities in Denmark, Norway, Thailand and Bulgaria.

The unique VIKING network of global locations, agents and 270 certified servicing stations makes us a truly global provider offering cost-effective and convenient service when and where you need it.
Global service network

An important consideration when investing in safety equipment is servicing in the long term.

VIKING is a global all-in-one service provider offering consolidated servicing of safety equipment on-board. We offer total concept service packages including global competitive pricing, handling specifications and service certificates.

Our unique network of 270 certified servicing stations follows strict guidelines for servicing VIKING’s products.

The network is supported by certified educational programmes, spare parts supply and continually updated online information and manuals.

All products delivered for servicing are subjected to thorough and comprehensive tests for total quality assurance.

Our authorised servicing stations have the appropriate tools and spare parts available as turnaround time is important to our customers.

Service can be booked by contacting any of our branch offices in our global network.

Contact your local office for the nearest VIKING approved servicing station or see our website at www.viking-life.com.
**Dedicated global production**

Life-saving equipment is manufactured using a combination of modern technology and skilled manual labour.

Our commitment to quality and safety as well as our loyal and experienced employees mean that our working atmosphere is quite exceptional.

VIKING practices integrated production with joint global planning. Particular speciality competences or special know-how are concentrated at individual production units.

All our production facilities follow uniform guidelines and have identical systems and procedures.

The ISO 9001:2000 standard assures a consistent and standardised quality in accordance with specifications.

All our production facilities follow uniform guidelines and have identical systems and procedures.

**Global logistics**

Our logistics network acts as one global unit with specialised systems for handling and tracking stock and delivery.

VIKING’s logistics specialists have the necessary certifications for optimising handling of products covered by the Dangerous Goods Act such as lifejackets and liferafts.

VIKING’s worldwide stock points are geared to carry the appropriate stock for each market to ensure that our customers benefit from optimal delivery and pricing at appropriate locations.

We are experienced in customising logistics for customers with centralised stock or several delivery points.
While it may not feel quite right to call passenger evacuation a “numbers game”, we’ve got a few figures that really make a difference when it comes to passenger safety. Like the number 1984, for example. That’s when we were first to introduce a marine evacuation system to the market. Thirty years later, we have over 1,000 systems in operation. That’s more than anyone else - and it represents a wealth of experience.

Then there’s the fact that we’ve got the market’s widest range of choices. From the VAS mini-slide for evacuating up to 153 passengers in 30 minutes right up to our largest MES systems with the highest capacity in the market - 1008 passengers in the same amount of time. That makes us the clear leader in evacuation capacity.

Actually, some of our best numbers are very small. Like the fact that it takes just one crew member and a single button to release our evacuation systems. Or that many of our systems feature zero power supplies, zero bousing lines and just as few welding connections.

We’re always ready to help you to navigate through our range of 14 different models with countless possible configurations. So why not ask us for the numbers best suited to your needs today?

Find out more or contact your local VIKING representative at www.VIKING-life.com