



# VIKING Offshore

VIKING SES 2D Offshore Evacuation System

## Welcome to the VIKING advantage

### Comprehensive Offshore Solutions

VIKING is an innovator in life-saving equipment for a wide range of offshore installations. Our in depth knowledge of the offshore industry ensures optimal solutions – from putting together total packages for new buildings, producing custom designed evacuation systems, supplying the right combination of personal protective equipment, as well as professional and convenient servicing and replacement.

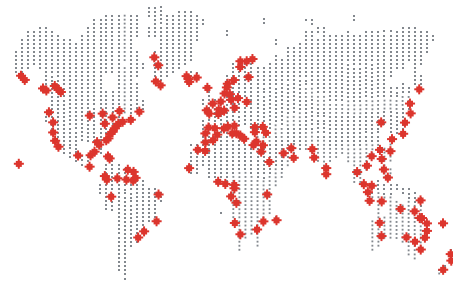
- Unique chute based evacuation systems
- First class liferafts in a wide range of sizes
- Extensive line of personal protective equipment
- State of the art stair based embarkation systems
- Total servicing packages

### SES - chute based evacuation systems

VIKING's advanced evacuation systems for offshore rescue are second to none. Designed specifically to increase personal safety, our chute-based evacuation systems ensure protection against exposure to the elements and a quick, easy, controlled and safe descent to sea level.

We have several compact chute based evacuation systems for all types of offshore installations whether fixed or floating. All systems offer exceptional stability and are trusted by people worldwide. Our quality management system is certified in accordance with ISO 9001.

When you choose VIKING life-saving equipment you choose a sound long term investment.



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# SES 2D

Container – outside



Container handle



Container – inside



## Special features:

SES 2D is the ultimate high transfer capacity evacuation system for fixed offshore platforms in harsh weather conditions. The system can be deployed to sea using a boarding platform and liferafts as means of evacuation. The system is designed for storage and deployment in the air temperature range from -46° to 65° C, except for the liferafts which are designed for an air temperature between -35° and 65° C according to the LSA Code. Evacuation capacity is 140 persons within 10 minutes from evacuation heights up to 40 metres. The SES 2D system complies with a subset of the IMO ISA MSC.48(66) in accordance with DNV.

Components	Material / Type	Dimensions (L x W x H)	Weight
Container	Carbon steel	4947 x 3930 x 3005 mm	
Evacuation Chute	Kevlar & stainless steel rings	1200 x 25 mm/cell (folded)	7 kg/meter
Release System	Controlled speed		
Boarding Platform	Natural rubber	25 pers.	85 kg.
Inflatable Liferafts B-pack (number and sizes vary according to total required capacity of system)	Natural rubber	12 pers. 16 pers. 20 pers. 25 pers. 35 pers.	100 kg each incl. container 124 kg each incl. container 140 kg each incl. container 165 kg each incl. container 264 kg each incl. container
Stabilising Weight (incl. raft racks)	Carbon steel	1880 x 3320 x 2040 mm	Approx. 1000 kg
Total system weight incl. 4 X 25 person liferafts			Approx. 9200 kg

### Blast proof container

The container is the structural interface to the platform deck. The SES 2D standard position on the deck is cantilevered from the deck edge. When the evacuation system is not in use, all components incl. liferafts are safely stored inside the blast proof container.

### Fire Retardant Evacuation Chute

The evacuation chute provides a simple, safe and reliable method of transferring evacuees from deck levels down to sea level. It is divided into cells with speed retarding slides running at opposing angles in zigzag effect. Openings in the chute located behind each retarding slide provide easy entry and exit at any level.

The speed retarding slides also permit evacuees wearing lifejackets, survival suits, breathing apparatus and even stretchers to pass safely through the chute. The length of the chute is calculated to allow for side motion and sea current.

### Release system

The system is deployed by gravity, controlled by a constant speed winch. An electric motor enables recovery of the system when dry.

### Boarding Platform

The boarding platform is situated at the base of the chute. It inflates automatically and acts as sea reference point where evacuees can await dry transfer to integrated liferafts or fast rescue crafts.

### Liferafts

Liferafts are available with either A- or B-pack. All liferafts have at least two individual compartments, each with sufficient buoyancy to keep the liferaft afloat with maximum load. During storage they are positioned inside the container on cradles mounted on the stabilizing weight. The integrated liferafts are inflated while fastened to the boarding platform and accessed via the boarding platform when in use.

### Stabilizing Weight

Is connected to the base of three winch-wires. It keeps the escape passage / chute taut and reduces side motion from wind and sea current.

All specifications are subject to alteration without notice

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