
Marine evacuation system – VIKING, VELS-SMS, MiniSlide

Item no.: VELS-SMS

The VELS+SMS MiniSlide system is certified by DNV in accordance with SOLAS/MED requirements and relevant flag state approvals. During inflation, the bowing system starts and the bowing proceeds until the bowing lines are pulled out of the splittubes.

- Ability to evacuate 501 persons in 30 minutes and 303 persons in 17 minutes
- Brake cushion at the bottom of the slide provides a soft spot
- Easy, reliable deployment - only requires one crew member
- Liferafts are available with or without a canopy to suit operation in open sea or protected waters
- Embarkation heights between 1.5 and 4.2 meters





Passenger

Technical Data, VELLS 1x150 B-pack system with SMS slide.

The VIKING Evacuation Liferaft System, VELLS+SMS, consists of a 150 persons self-righting liferaft or open reversible liferaft used in combination with an SOLAS slide with a length from 3.3 meter to 6.5 meter and a bowsing winch. The liferaft is packed into a container and stowed on a rack by means of lashing strap. The slide is packed in a valise and stowed near the embarkation door. Additional liferafts can be positioned near to the VELLS system and released by means of a remote release system. A connection line ensures connection between additional liferafts and the inflated VELLS system. The system is available for short international voyage (B-pack) and voyage within protected waters.

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| STOWAGE HEIGHT | Max 18 m above waterline in lightest seagoing condition | |
| EVACUATION CAPACITY | 501 persons within 30 min. (SOLAS regulation) 303 persons within 17 min. 40 sec. (SOLAS-HSC regulations) | |
| LIFERAFT | Approved with 153 persons self-righting liferaft with a SOLAS B emergency pack Approved with 153 persons open reversible liferaft with a reduced emergency pack | |
| | 150DKS B-pack | 150DKR HSC |
| LENGTH | 1980 mm | 2005 mm |
| DIAMETER | 1210 mm | 1055 mm |
| WEIGHT | 820 kg | 610 kg |
| APPROVALS - SYSTEM | SOLAS 74, Reg. III/4 & III/34, as amended by IMO Res. MSC 48(66) and IMO Res. MSC 81(70) EC type approval acc. To EC Directive 96/98/EC | |
| APPROVALS - LIFERAFTS | SOLAS, IMO, USCG, MCA, EC and other national authorities | |
| MATERIALS | | |
| BOWSING WINCH | Andersen 52 ST Stainless steel, AISI 329 | |
| SLIDE | Nylon webbing covered with natural rubber | |
| LIFERAFTS | Nylon webbing covered with natural rubber | |
| LIFERAFT CONTAINER | GRP | |
| INTERFACE TO SHIP | The system/rack is welded on to the ships structure | |
| DESIGN CRITERIA | The structure is designed with safety factor 4.5 | |
| ACTIVATION | The system is activated by pulling the slip-hook or by means of the remote release system. The liferaft container falls into the water and the inflation starts immediately. During inflation the bowsing of the system starts and the bowsing of the system proceeds until the bowsing lines are pulled out of the splittubes. Prepare the slide at the embarkation door and inflate the slide into the liferaft. | |