
Marine evacuation system – VIKING, VEMC 1.20 & 1.21, MiniChute

Item no.: VEMC

The VEMC system is certified by DNV in accordance with SOLAS/MED requirements and relevant flag state approvals. When the system is activated the liferaft will automatically pull the chute into the liferaft when inflating.

- Available with either reduced emergency pack, A or B SOLAS emergency pack
- Embarkation heights between 7 and 20.2 meters above waterline
- Can be combined with wide range of liferaft types
- Few crew required and minimal specialized training
- Quick and simple mounting and dismounting for service
- Model available for Navy and Polar conditions
- Ability to evacuate 582 persons in 30 minutes (SOLAS) and 326 person in 17 minutes (SOLAS-HSC)
- Flexible and stable, even in very rough seas





Passenger

Technical Data, VEMC 1x100 A/B-pack system

The VIKING Mini Chute system, VEMC, consists of a frame, a chute-pack, a liferaft in a container and a bowing winch. The liferaft containers are mounted on the frame by means of lashing straps. Additional liferafts can be positioned near to the VEMC system and released by means of a remote release system. The VEMC system itself can also be remote released if required. A connection line ensures connection between additional liferafts and the inflated VEMC system. The system is available for both long international voyage (A-pack) and short international voyage (B-pack)

STOWAGE HEIGHT	Max 7.0 – max 20.2 m above waterline in lightest seagoing condition	
EVACUATION CAPACITY	582 persons within 30 min (SOLAS regulation) with 1 EscapeWay™ chute 326 persons within 17 min. 40 sec. (SOLAS-HSC regulations) with 1 EscapeWay™ chute	
LIFERAFT	Approved with 101 persons self-righting liferaft with a SOLAS A- or B emergency pack	
	A-pack	B-pack
LENGTH	2170 mm	2170 mm
DEPTH	1520mm	1520 mm
HEIGHT	2250 mm	2200 mm
WEIGHT	1500 kg	1200 kg
APPROVALS – SYSTEM	SOLAS 74, Reg. III/4 & III/34, as amended by IMO res. MSC 48(66) and IMO res. 81(70) EC type approval acc. to EC Directive 96/98/EC	
APPROVALS - LIFERAFTS	SOLAS, IMO, USCG, MCA, EC and other national authorities	
MATERIALS		
SYSTEM FRAME	Steel, metallized and painted	
CHUTE SECTIONS	Outer and inner liner of synthetic fabric Each section mounted on stainless steel rings	
BOWING WINCH	Andersen 52 ST Stainless steel, AISI 329	
WIRES	Galvanized or stainless steel	
INSULATION PLATES	Nylon, PEDH	
LIFERAFTS	Nylon webbing covered with natural rubber	
LIFERAFT CONTAINER	GRP	
INTERFACE TO SHIP	The system is bolted to the ship's structure with 6 x M20 galvanized bolts	



Passenger

DESIGN CRITERIA

The structure is designed with safety factor 4.5.

ACTIVATION

The system is activated by pulling the slip-hook. By gravity acting on the liferaft container, the container will start moving down the frame and start tilting the chute package. By performing the free fall liferaft container will pull the chute out of the chute packing. When the liferaft container is water-born and bowsed into position. The liferaft is inflated by manually pulling the remote release line connected to the system frame. The liferaft will automatically pull the chute into the liferaft when inflating.