



VIKING EVACUATION MINI CHUTE, VEMC 1.16

Technical Data, VEMC 1x150DKR system.

The VIKING Evacuation Mini Chute system, VEMC, consists of a frame, a chute-pack, a two liferaft in a container, and a bousing winch. The liferaft container is 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 liferaft is with HSC emergency pack.

STOWAGE HEIGHT Min. 6.1 - max. 14.5 m above waterline in lightest seagoing condition

EVACUATION CAPACITY 577 persons within 30 min. (SOLAS regulation) with 1 EscapeWay™ chute
320 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 emergency pack

LENGTH 2170 mm

DEPTH 1520 mm

HEIGHT 2250 mm

WEIGHT 1600 kg

APPROVALS – SYSTEM SOLAS 74, Reg. III/4 & III/34, as amended by IMO Res. MSC 48(66)
and IMO Res. MSC 81(70)

APPROVALS - LIFERAFTS EC type approval acc. to EC Directive 96/98/EC
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

BOWSING 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 Special strong GRP- type, made of Vinyl-ester

INTERFACE TO SHIP The system is bolted to the ships structure at four foundation points. At each foundation point a sea-water resistant shock/vibration wire damper is or can be mounted.

DESIGN CRITERIA The structure is designed with safety factor 4.5.

ACTIVATION The system is activated by pulling the slip-hook or alternative by the remote release system, type Hammar (optional). 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 the liferaft container will pull the chute out of the chute packing. The liferaft is inflated during the free fall by means of a "quick release" line connected to the system frame. The liferaft will automatically pull the chute into the liferaft when inflating.