

General information



SAFETY SOLUTIONS

BRUDE MES[®] SRL

Marine Evacuation System
with liferafts from



Description of BRUDE MES[®] SRL

BRUDE MES SRL is developed to enable an efficient and safe evacuation of passengers on vessels in international searade area.

The MES-system is using 150 man selfrightning liferafts (SRL) with A or B-pack.

Evacuation heights from 3 -15 meters.

All operations of the system is manual.

Components typical system :

One complete deployment arrangement with evacuation chute, mooring system and 1 to 3 liferafts of type DSB SLR 97 150 for evacuation from 150 to 450 passengers.

Description of Components:

Deployment arrangements consist of following components:

- Chute container, container door and launching ramp.
- All components are built in marine aluminium securing the strength and non corrosive design.
- The chute container is bolted to the vessel's deck and dimensioned to hold the launching ramp and chute in deployed position.
- The container door is released and opened by means of two gas cylinders. The launching ramp and chute are then pushed out and the chute are lowered down to the liferafts by gravity. All functions are manual.

Evacuation Chute:

The chute consists of cells in tilted position (zigzag) which enables a secure descent of personnel from the vessel to the life rafts. It is possible to climb out of the chute from each cell. There is also room in the chute for the crew to descend next to the evacuated passengers. Total capacity of the chute is 450 persons in 30 minutes

DSB liferaft:

The DSB 150 selfrightning liferafts (SLR) is dropped one by one. The liferaft container is released from its rack, dropped to the sea and inflates by pulling the release line. Total capacity per unit is 150 persons.

The liferafts are equipped with mooring lines which enables a safe and effective mooring of the rafts in position for the chute. The mooring lines are handled by a winch.

Additional liferafts can be manouvered to the first liferaft for an extensive evacuation capacity up to 450 persons pr. system.

Releasing of liferaft.

The container is released from the evacuation station where the chute container is located or locally from the container rack.

Releasing system consists of vacuum pump, vacuum pipe and vacuum trigger.

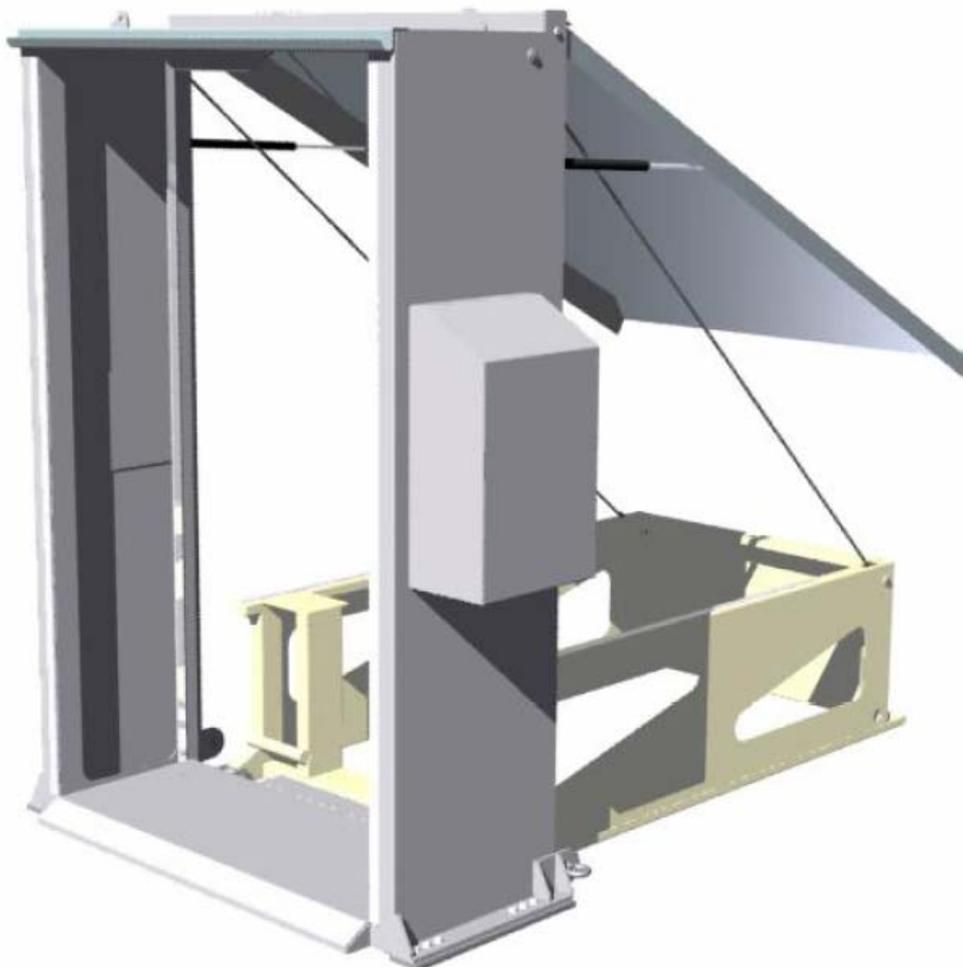
By operating the vacuum pump the vacuum trigger releases the container to drop into the sea. A hydrostatic release unit is also fitted to accommodate the free float requirement if the vessel sinks.

Advantages Brude MES 300

- Reduced area on deck. Footprint of chute container:
L=1,67m B=0,68m H=2,37
- Reduced number of functions might reduce number of crewmembers needed in handling evacuation equipment.
- Service costs are minimized due to onsite inspection of the chute. An exchange system for rafts allows the shipowner continuous operation.
- Refits on vessels are easily made due to a minimum of work by contractor; Only mounting of foundation on deck for chute container, liferaft rack and fixing details on shipside for mooring lines.
- Room in the chute for a crewmember to descend next to evacuating passengers.

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Overview Brude MES

Description	Liferaftype	Evac. height
BRUDE MES KOPAS V	 50-150 ORL	1,5 - 4 m
BRUDE MES KOPAS V-AL	 50-150 ORL	1,5 - 4 m
BRUDE MES CHUTE	 100-300 ORL  150-450 SRL	3 - 15 m 3 - 15 m
BRUDE MES SLIDE	 50-300 ORL  100-450 SRL	1,5 - 3 m 1,5 - 3 m

BRUDE MES



- DSB ORL = Open Reversible Liferaft
- DSB SRL = Selfrightning Liferaft with canopy