OPERATING INSTRUCTIONS

Euro Test® Certificate issued by Fachbereich Persönliche Schutzausrüstungen PS 12130092

Water Rescue Lift
MOJE - M1

Rettungssysteme e.K.

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Important information

1. These operating instructions form an integral part of the Water Rescue Lift and must be kept in an accessible place during the service life of the Water Rescue Lift. Brief instructions are printed on the outside of the carrying case. Please read these operating instructions and the product information attentively and completely before use. Please also note the information printed on the carrying case. Include other persons on board when you are acquainting yourself with the use of the Water Rescue Lift.

2. The Water Rescue Lift must be stored on board in a place where it is not subject to a fire hazard, away from sources of heat and ignition. It must be protected from direct sun light and direct **splash water**. A storage temperature **in excess of +50°C** must be avoided.
   Inspect the carrying case's lead-sealing at regular intervals. The carrying case is only correctly closed and the Water Rescue Lift fully operational if the lead seal is unbroken.

3. The Water Rescue Lift is intended to be used as a means of protection against drowning and hypothermia and as means of rescuing a person. In an emergency or in case of unconscious casualties, a rescue together with the rescuer is possible. The maximum load of **240 kg** should not be exceeded.
   The Water Rescue Lift reduces the risk of drowning, but does not provide a guarantee of rescue or survival. We would expressly like to point out in this connection that we do not assume any liability for personal injuries and damage to property arising from inappropriate use of the Water Rescue Lift or failure to comply with this manual.

4. The automatic function of the Water Rescue Lift is only guaranteed down to an outdoor temperature of -10° C. At temperatures around 0° C a certain delay of automatic activation is possible. At temperatures down to -10° C the response time can more than double! At temperatures below -10°C, the Water Rescue Lift must be manually activated in the water.

5. When dropping the Water Rescue Lift, attention must be paid that swimming persons are not hit by it.

6. The Water Rescue Lift is re-usable, but must be reconditioned and serviced after every use.

7. The service life of the Water Rescue Lift is 10 years from date of production. It must be inspected and serviced every 3 years by the manufacturer or an organisation authorised by him. If the Water Rescue lift is certified to be in perfect condition at the third inspection/service (after 9 years), the service life may be extended by an additional year to a total of 11 years.

8. Inspection cycles must be observed. If the periods specified are exceeded, a faultless functioning can **NO LONGER** be guaranteed. The same applies if the service life is exceeded (refer to point 7).

Product description

Picture 1

The Water Rescue Lift is a novel marine life-saving device by means of which it is possible to provide help to rescue people from drowning in the quickest possible manner. It however provides no rescue and survival guarantee. ***(Picture 1)***

With the Water Rescue Lift and an additional rescue device, even a single person is able to rescue a casualty from the water.

Picture 2

The Water Rescue Lift is contained in a water-permeable bag, which in turn is packed in a water-proof and impact-proof plastic carrying case. ***(Picture 2)***

It is equipped with 3 inflatable chambers. For each chamber, an appropriately dimensioned CO_2 bottle is integrated in the construction. The two outer chambers are inflated automatically as soon as the Water Rescue lift comes into contact with water. For restrictions of the automatic function refer to
page 3 "Important information", point 4.

Picture 3

The CO_2 bottle for the middle chamber can only be actuated manually by means of a ripcord, one of which is located on each side of the Water Rescue Lift. It is equipped with a flashing light that is activated automatically on water contact. The middle chamber may only be activated once the casualty has swum between the two outer chambers. ***(Picture 3 + 4)***

Picture 4

Storm and heavy seas only marginally restrict the use of the Water Rescue Lift. Due to its low dead weight and on account of its design it rests calmly in the water and virtually does not drift off.

Picture 5

The Water Rescue Lift is equipped with an integrated belt system with eyelets. This guarantees a horizontal rescue of the casualty by means of lifting gear.
(Picture 5)

Picture 6

When rescuing with lifting gear, attention must be paid that **BOTH** rings of the belt system are hooked in.
(Picture 6)

Picture 7

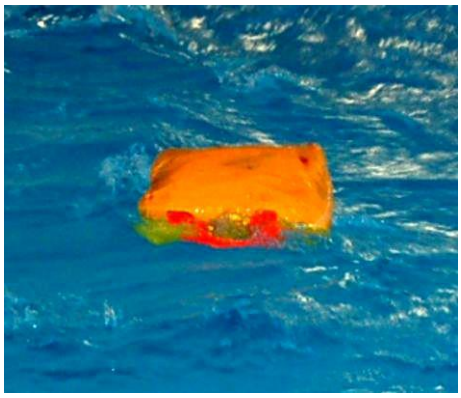
The use of the MOJE M1 together with a lifeline available on board is made possible by the webbing loop that is routed out of the bag. ***(Picture 7)***

This webbing loop is one of two loops that also enable the MOJE M1 to be towed. ***(Refer also to page 8, picture 19)***
A secure connection to the ship is established by firmly knotting it with the lifeline.

Picture 8

As a protection against waves and spume, the Water Rescue Lift can be closed like a cocoon. ***(Picture 8)***
Rolling need not be feared as the centre of gravity is always located in the area of the buttocks and the buoyant force of the side chambers additionally stabilises the position.

Possible use water rescue



Picture 9

Remove the Water Rescue Lift from the carrying case and throw it with the bag into the water close to the casualty.
(Picture 9)
Avoid hitting anybody swimming in the water.

The Water Rescue Lift works from both sides. It is also irrelevant how the bag with the Water Rescue Lift drops into the water.

Picture 10

The two lateral chambers are automatically inflated by two CO_2 bottles on immersion in water. ***(Picture 10)***

Picture 11

When temperatures as described on **page 3 "Important information", point 4** are prevailing, the **outer chambers** must be manually activated **in the water** by means of a ripcord. For this, the bag must be opened to make the outer chambers' ripcords ***(picture 11)*** accessible.

CAUTION: Only activate the **middle chamber** with the flashing light once the person has swum into the Water Rescue Lift.

Picture 12

At low temperatures it is possible that the chambers are not filled to maximum by the gas charges. In such cases, the chambers can be replenished with the mouth valves **(*Picture 12*)**.

Picture 13

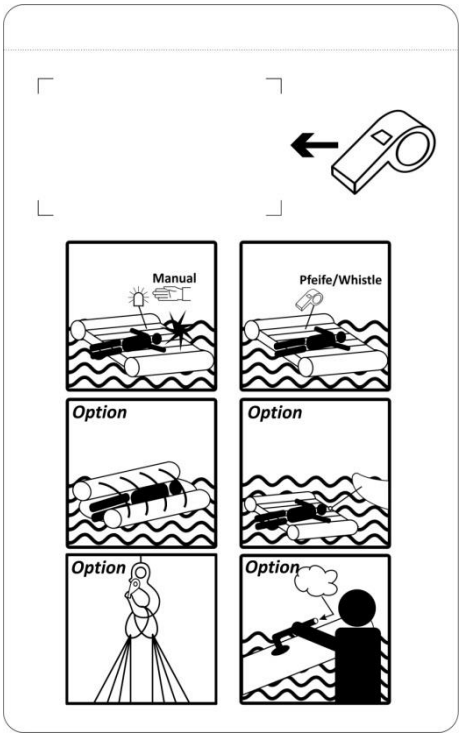
For this, the protective caps must be pulled off beforehand. **(*Picture 13*)**
When replenishing with respiratory air, it should be avoided to inhale the CO_2 gas. Although it is not poisonous, it may cause irritation of the throat and drowsiness.

Picture 14

The middle chamber is generally not automatically inflated. It initially forms a rescue sheet of sorts between the inflated outer chambers. It is easily pulled below water by the weight of its CO_2 bottle, so that the casualty can swim between the outer chambers virtually barrier-free.
As soon as he has swum in, the gas charge must be actuated manually by means of the buoyant illuminant. ***(Picture 14)***
The buoyant illuminant is automatically activated on water contact so that it is easy to locate.

Picture 15

The Water Rescue Lift is equipped with 2 signalling whistles to emit acoustic signals. ***(Picture 15)***



Picture 16

The signalling whistles as well as pictograms containing information regarding their use in water are attached in a clearly visible manner on a signal-coloured film flag on both sides of the Water Rescue Lift. ***(Picture 16)***

Picture 17

Because of the middle chamber's additional buoyant force, the casualty is lifted out of the water. Quick-release buckles that serve to close the Water Rescue Lift around the casualty are located on the side of the outer chambers. In addition, splash sheets that can be closed with rope and rope stopper are additionally available at the front and bottom end.
(page 5 - picture 8)
This protects the casualty to the greatest possible extent from wind and spume.

The hook of a lifting device (not included in the scope of supply) can be hooked into the eyelets of the integrated belt system ***(page 5 - picture 7).*** This in principle makes it possible to perform a horizontal rescue. ***(Picture 17)***.

Picture 18

If the casualty is conscious, he can carry out the required steps himself and swim into the Water Rescue Lift. If the casualty is not able to do so (e.g. because he is unconscious), an adequately secured rescuer must enter the water together with the Water Rescue Lift and pull the casualty into the Water Rescue Lift. After that, he can also swim into the rescue lift and perform all further steps.

The Water Rescue Lift is intended for the rescue / recovery of one person. In an emergency, it is also possible to rescue two persons, if the rescuer for instance has to accompany the unconscious casualty. The maximum load should not exceed **240 kg**. ***(Picture 18)***

Picture 19

If it is not necessary or possible to recover the rescue lift with a lifting device, the Water Rescue Lift can also be towed with a boat or towed ashore on one of the towing belts. ***(Picture 19)***

When all three chambers are completely inflated, the Water Rescue Lift is able to keep up to 10 **swimming persons who hold onto it** above water. The buoyant force will reduce all the more the more persons are holding onto it.

Possible use ice rescue

Picture 20

Picture 21

Picture 22

The MOJE Water Rescue Lift can also be used for ice rescue. Contrary to water rescue, the outer chambers also have to be activated manually after removing the rescue lift from the carrying case.

Secure the Water Rescue Lift at the eyelets or at the towing belt with tethers of adequate length (snap hooks) and place it onto the ice surface. An adequately secured rescuer now lies down on the Water Rescue Lift and manoeuvres it to the site of the accident. **(*Picture 20*)**

The casualty can now grab hold of the rope/belt system and be pulled onto the Water Rescue Lift by the rescuer. ***(Picture 21*)** As soon as the casualty has been recovered, the rescuer activates the middle chamber's CO_2 bottle.

Persons standing on the shore must keep the tethers tensioned during the recovery such that the Water Rescue Lift is not pulled into the opening where the casualty has fallen through the ice.

As soon as the casualty has been rescued and the middle chamber inflated, the helpers pull the Water Rescue Lift ashore. **(*Picture 22*)**
While doing so, the enlarged contact surface reduces the risk of caving in again.

Readiness for use

Picture 23

The carrying case with the Water Rescue Lift must be stored on board in a place where it is not subject to a fire hazard, away from sources of heat and ignition. A storage temperature in excess of 50°C must be avoided. The carrying case must be protected from direct sun light and **splash water**.
Inspect the intactness of the carrying case's lead-sealing at the locks and the carrying case's condition at regular intervals. It can only be guaranteed that the Water Rescue Lift is fully operational if the lead seal is unbroken and the carrying case is in a sound condition. ***(Picture 23)***.

Picture 24

The Water Rescue Lift has a total service life of 10 years from date of production. The expiry date (MM-YYYY) can be found on the rating plate on the Water Rescue Lift. ***(Picture 24)***

After expiry of the service life, the faultless operation of the Water Rescue Lift is no longer guaranteed. It may then not be used any further.

Picture 25

The Water Rescue Lift must be inspected or serviced every 3 years by the manufacturer or an organisation authorised by him. If the Water Rescue lift is certified to be in perfect condition at the third inspection/service (after 9 years), the service life may be extended by an additional year to a total of 11 years.

If the inspection cycle has been exceeded, the Water Rescue Lift must be put out of operation and immediately sent to the manufacturer for maintenance or repair.
No more maintenance will be carried out once the service life has expired.

The due date of the next inspections can be gathered from the label on the outside of the carrying case. ***(Picture 25)***

After use

Picture 26

Picture 27

Although the Water Rescue Lift has been designed for single use, it is **NO** disposable product. After every use, it must be reconditioned or repaired for a renewed use. Reconditioning may only be carried out by the manufacturer or an organisation authorised by him.

Before returning it for reconditioning, the Water Rescue Lift should be cleaned of salt water and rinsed with clear water. Remove soiling by oil and grease with a commercially available detergent or mild soapsuds and also rinse with clear water. Do **NOT** use any alcohol- or solvent-based substances for cleaning.

After that, allow the Water Rescue Lift to completely dry in the air, but avoid exposing it to direct sunlight. Do not place it on or against a heater and do not use other appliances (e.g. fan heaters) to dry the Water Rescue Lift. After drying, vent the three chambers as far as possible through the mouth valves so as to reduce the volume as much as possible.

For this, the protective dust caps of the valves must be removed. Use the reversed cap to push down the valve inside the valve tube. ***(Picture 26)***

No other objects may be used to do this, as this may damage the valves, which will then have to be replaced subject to a charge ***(Picture 27)***.
Then put the protective caps back on the valves.

Carefully fold the emptied rescue lift (do not scrunch up) and pack it securely to avoid any damage. Return to the manufacturer together with the bag and the carrying bag for reconditioning/repair.

Scope of supply

1 Directions for use
1 Waterproof plastic carrying case, with brief instructions and complete Water Rescue Lift as described

CAUTION! The carrying case may only be opened in an emergency!

Technical data

CO_2 bottle outer chambers:	2 x 86 g / 120 ml
CO_2 bottle middle chamber:	1 x 295 g / 400 ml
Maximum load:	240 kg
Dimensions of the ready for use carrying case:	465 x 350 x 175 mm
Weight of the ready for use carrying case:	approx. 9.5 kg
Dimensions of the inflated Water Rescue Lift:	approx. 160 x 200 cm
Information on transport:	Hazardous materials class 2

Disposal

At the end of its service life, simply return the Water Rescue Lift to us free of charge and we will dispose of it together with all its components in an environmentally compatible manner.