

USER MANUAL

RESCUE CUSHION MRC



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1. SAFETY INSTRUCTIONS AND WARNINGS

Safety symbols used in this manual



WARNING ! Is a warning sign indicating that physical or material damage may occur if the instructions are not followed.

Read the instructions carefully before using the rescue Cushion

- It is only allowed to use the rescue Cushion for emergency purposes. It is strictly forbidden to use the rescue Cushion for practice or entertainment.
- Only use the rescue Cushion when other means of rescue are not possible.
- Never throw or drag the rescue Cushion or the bag.
- Always lift the rescue Cushion when moving it in place.
- Do not put the rescue Cushion on sharp or burning objects.

Scorpe is not responsible for the consequences if instructions with regard to the use of the product are not followed. Accessories may only be fitted on or in the shelter if explicitly authorized by Scorpe.



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2. DESCRIPTION OF RESCUE CUSHION MRC

2.1. General remarks

This rescue Cushion can save life's but when instructions are not followed up accordingly severe injuries will occur.

The Jumping Rescue Cushion is an inflatable jumping device for rescuing falling/jumping people from buildings up to 16 meters of height.

It consists of an inflatable cubic frame. The frame is covered with a high tensile fabric. Attached to the cubic is a BA cylinder for inflation.

When opening the Air cylinder the beams of the frame will be filled with air and the Cubic will automatically unroll and set up. The top is mainly white colored. The sides and bottom are orange/red. On every corner a lash is attached for lifting the Cushion.

When a falling object is hitting the middle of the Cushion, the construction will deform and the pressed air in the cubic is escaping through the holes at the sides. This way the velocity of the object will be absorbed.

It is very important the object is hitting the center of the Cushion. The absorbing function of the Cushion is not working properly when the object is not hitting the middle of the Cushion and the falling person will possibly be injured.

After the object has been taken from the Cushion, Cushion will automatically erect itself and can be used again for rescuing persons.

At least two persons are needed for handling the Cushion

The outer fabric is fire retardant and will not inflame by fire sparks. The operating temperature is between -15 and +55 C

2.2. Technical specifications

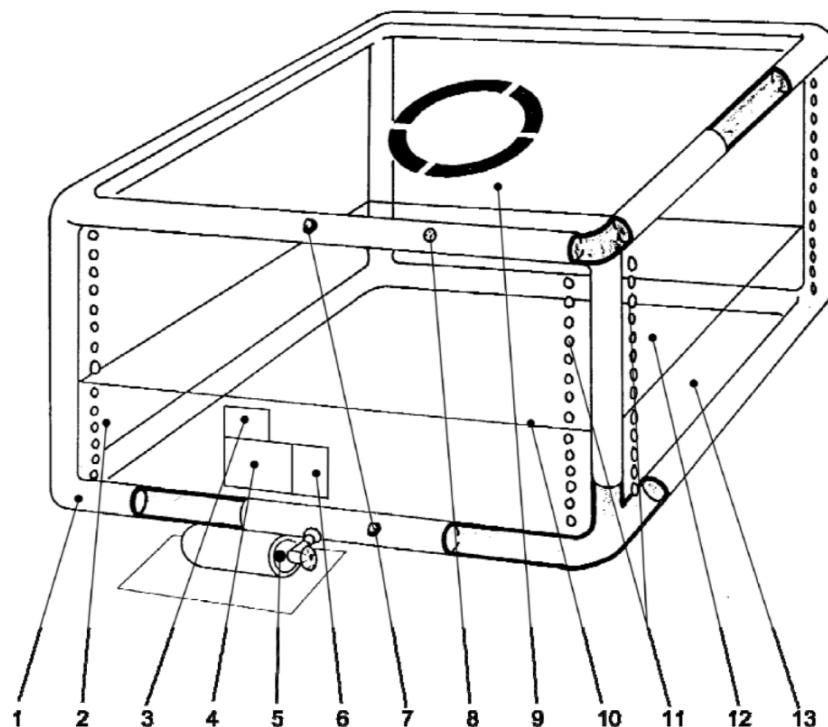
- Minimum personnel needed : 2 people
- Dimensions : 3,50 x 3,50 x 1,65 m
- Size packed : 0,85 x 0,60 x 0,35 cm.
- Weight including BA cylinder : 55 kg
- Operating pressure : 0,5 bar



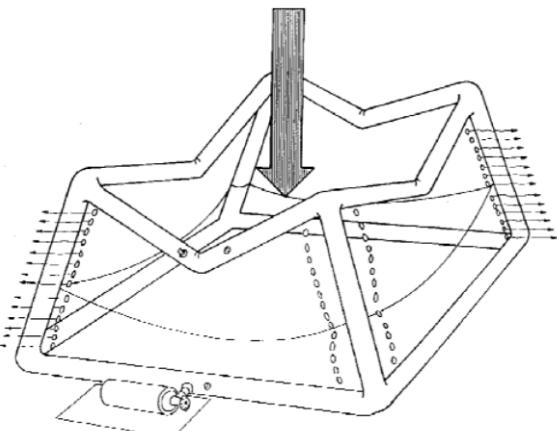
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- Set up time : ca 30 seconds
- Max rescue height ca 16 m
- System LORSBACH



1. Inflatable frame
2. Side
3. Documentation pocket
4. Serial number with safety instructions
5. BA cylinder pocket
6. Inspection report
7. Relief valve
8. Pressure release valve
9. Rescue surface
10. Inner middle surface
11. Jumping relief valves
12. top air chamber
13. bottom air chamber



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3. HANDLING

3.1. Set up

Check if the PVC cap on the opening valve is attached with a breaking cord to the BA cylinder. This to be sure that the BA cylinder is fully filled with 300 bar.

Carry the bag to the area where you want to inflate the rescue Cushion. You need at least 4 m . x 4 m. The BA cylinder should be at the edge of the area. Make sure this is not the place where people are to be rescued; this to avoid people jumping before the Cushion is fully inflated.

Open the fasteners of the packing bag, take off the PVC cap of the BA cylinder and open the valve on the BA cylinder by turning it.

The rescue Cushion will unroll itself and fully erect.

After air is escaping from the overpressure relief valve the inflation valve on the BA cylinder can be closed.

The rescue Cushion is now ready for use and can be carried (min. 2 persons) to the area under the people to be rescued

3.2. Instructions

Then rescue Cushion is to be placed straight under the people to be rescued. It is not necessary that the surface a totally flat as the rescue Cushion can be placed over small obstacles.

It is important to know that the people to be rescued should fall in the centre of the rescue Cushion. Only then their jump will be absorbed properly.

Jump one by one!

Once the beams are inflated it is not necessary to reinflate the frame as long as the rescue Cushion is standing straight up. Also after a rescue jump it is not necessary to reinflate as long as the rescue Cushion fully erects itself.

After each jump it should be checked that the rescue Cushion is still place straight under the people to be rescued.



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3.3. Packing

Carry the rescue Cushion away from the rescuing area to a clean area. It might be necessary to use a tarpaulin on the ground.

Has the rescue Cushion not been used, check if it is clean and dry wipe away dust sand from the bottom then it can be packed again,)

Open the relief valves and push the air out of the beams. Follow the packing instructions carefully. During packing the relief valves should stay open.

Lay the top beams on to the bottom beams and the side covers in between the top and bottom cover straight as possible to the middle. (pic. 1.)

Fold the two sides to the middle where the BA cylinder is attached. (pic. 2.)

Fold the right side again over the other side. The width should be approx. 80 cm. (pic. 3.) Tightly roll the rescue Cushion to the BA cylinder side. (pic. 4.)

Close the relief valves, place the two caps on the relief valves.

Put the packing bag on the ground and carry the rescue Cushion on to middle of the packing bag. Make sure the BA cylinder symbol is at the BA cylinder side. (pic. 5.)

Close the packing bag. Make sure the PVC cap is on top of the bag. (to sign the BA cylinder is not inflated and therefore the rescue Cushion is not operational)

At the station immediately fill the BA cylinder.

Reinstall the cylinder in the pocket and put the PVC cap over the opening valve. Attach the cord from the PVC cap to the cylinder. It should be impossible to open the cylinder without breaking this cord.



Picture 1



Picture 2



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Picture 3



Picture 4



Picture 5



Picture 6



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4. MAINTENANCE AND STORAGE

4.1. After use but without a rescue jump or after training.

Check the rescue Cushion on holes then wipe dust sand away and be sure the rescue Cushion is dry before packing.

4.2. After use with a rescue jump.

The rescue Cushion should be checked by an authorized institute and this is to be noted in the inspection report

4.3. Annual check

The rescue Cushion should be checked annually by an authorized institute and this should be noted in the inspection report

4.4. Cleaning

To clean the rescue Cushion only warm (max 40 C) water can be used with a regular detergent. Before packing the Cushion should be fully dried.

4.5. Storage

Always keep the rescue Cushion in a dry area. The BA cylinder should be on top



Warning! Repairs should be carried out by an authorized institute.

4.6. Documentation

Every training, check, repair and every use should be documented in the documentation report. Annual inspections, repairs and inspection after a rescue jump should be separately documented in the inspection report.

