KARPO FLY

Operating manual rescue systems

RS

100 • 130 • 160

R SYSTEMS RS

Opera ua
KARP sc s

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KARPOFLY

Introduction

Every pilot can get into a situation during flight where they can loose control over their paraglider. In these circumstances only a quick opening rescue parachute can help. Rescue System RS is designed to save the pilots life and preserve health.
This operation manual describes basic models of the Rescue System RS which
is available for pilots in various weight categories.

Attention:
Pictures in this operating manual are for illustration purposes only.

1. Rescue System RS

Rescue System RS is a hand thrown, center line rescue system, built to the highest safety standards.
The design, materials and technology used guarantees the highest quality and reliability.
The canopy is made from special purpose non-stick material from NCV Company known as PORCHER MARINE, which prevents adhesiveness of the canopy thus guaranteeing smooth and rapid deployment. Thanks to new materials and design the sink rate of the Rescue System is optimum.
Rescue System RS is designed with one or more centerlines (depending on the size) which shortens the deployment time and offers high stability.

The rescue container is divided into two separate compartments. The first compartment contains the canopy while the second compartment holds the line cords.
This design causes the canopy to deploy first, followed by the line cords, this way avoiding any tangles between the canopy and line cords, guaranteeing perfect and rapid deployment each time.

2. Storage

The Rescue System RS must be stored in a dark, clean and well ventilated area. It must be kept clear from moisture and damp areas. Avoid also prolonged exposure to direct sunlight.

WARNING
Keep always the Rescue System RS away from petrol, solvents and other chemicals as these severely harm the integrity of the Rescue System.

3. Ventilation and Drying

Avoid always exposing the Rescue System RS to moisture or damp areas. If the Rescue System RS gets wet or damp, it is necessary to dry the canopy and line cords immediately and thoroughly to prevent any damage caused by mould.
The Rescue System RS should be spread out and allowed to dry at room temperature. Any excess water should be removed using a soft clean cloth.

WARNING
Do not tumble dry or expose to heating equipment as this may damage the Rescue System RS.

4. Cleaning

Only clean cold water should be used to clean the Rescue System RS. After cleaning ensure that the Rescue System RS is completely dry before repacking.

WARNING
Do not use chemicals, soap, hot water or washing machine to clean the Rescue System RS. Any methods other than the one advised may weaken or damage the canopy and line cords.

5. Packing

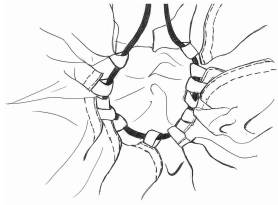
Before packing the rescue system, it is essential that a complete and thorough check of the rescue system is completed.

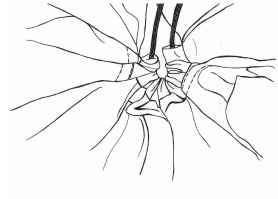
It is essential to check the following:

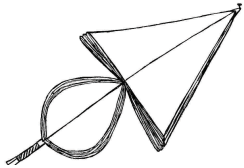
1. Check if the canopy material is not damaged or dirty.
2. Check if the line cords are intact and their connection to the canopy and the connecting strap.
3. Check the state of inner and outer container as well as the release and its connection to the harness.
4. In case any damage is found, it is necessary to send the Rescue System RS back to the manufacturer for repair.
5. The way the rescue system is packed considerably affects the reliability of the system. We recommend the Rescue System RS be packed by the manufacturer or by authorized person/company only

The Rescue System RS Packing:

1. Spread the Rescue System RS on a long, wide table. Prepare string about 30cm in length and thread it through the red apex fixing loops located at the top end of the Rescue System RS.

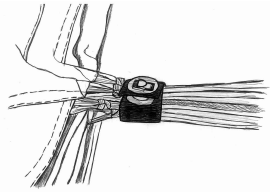




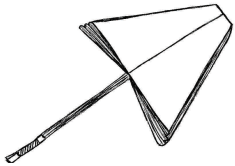


2. After threading the string through all the loops, make a knot on the string and secure it at the top of the table and stretch out the canopy and line cords.

3. After stretching the canopy and line cords, bind all the line cords together close to the canopy.

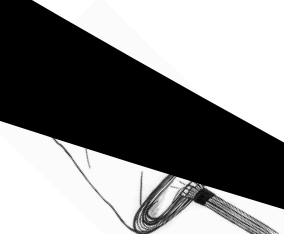


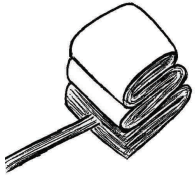
4. Pack the canopy into a trapezoidal shape and make sure that the quantity of the canopy folds is equal on each side (see pictures).



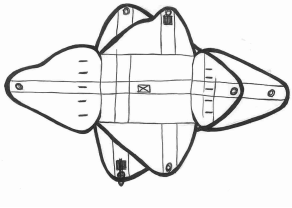
5. Check the cords to ensure they are not crossed or twisted. In case the cords are crossed or twisted it is necessary to put them right before proceeding to the next step. Push out any air from the canopy so that the canopy volume is kept to a minimum.

towards th[illegible]enter. This will determine the wid[illegible]e folded Rescue System RS. Wit[illegible]lp of another person, take both e[illegible] of the Rescue System RS, stretch the canopy and flip it over. At this point the canopy should be folded in the shape of a reverse “S”

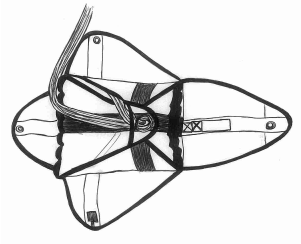




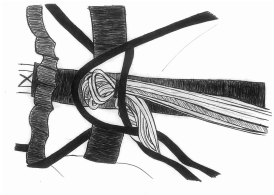
ATTENTION!!! VERY IMPORTANT!!!
After the canopy is packed into a harmonic shape, remove the string from the loops and untie the string from the cords. It is necessary to remove the string completely!!!! Failure to do so will cause rescue system failure!!!!



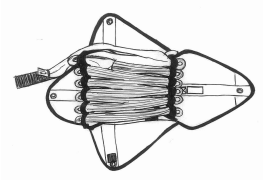
9. Prepare the container so that the smaller flap of the inner container is facing you. Put the canopy into the rescue container so that the line cords go towards the right.



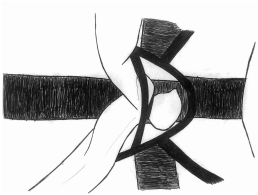
10. Fix string to the rubber closing loop and thread it through the eyelets on the inside container. Thread it through the side flaps followed by the shorter flap and finally through the longer flap. Pull the string so that the rubber loop comes through all eyelets.



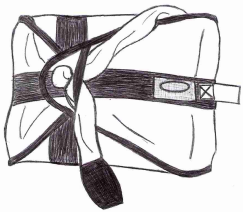
11. After the flaps are closed make a line loop and pull them through the rubber closing loop. Hide the line loop under the plastic cover on the inner rescue container.



12. Place a load of 3-4 kg at the end of the line cords and begin to loop the cords in a zigzag motion through the rubber loops that are mounted on both sides of the rescue container.



13. There is a cover at the end of the line cords that protects them from knotting. After pulling all the line cords through the rubber loops, close the container and cover the line cords. Pull the line loop through the rubber closing loop and hide the line loop under the plastic cover on the outer rescue container.



14. The Rescue System RS is packed inside the rescue container and is ready to be mounted into the harness.

ATTENTION

If you are mounting the rescue system into a harness with a rescue container under the seat, use the loop placed on side of the rescue system. If you are mounting the rescue system into a harness with a rescue container at the front or on the side, use the loop placed on the centre of the rescue system. This is necessary for the correct deployment of the rescue system.

6. Mounting rescue system into harness

In order to easy and safety connect harness with rescue system, rescue cords are finished with high quality stainless mailon carabiner. To connect the rescue system and the harness, please unscrew the mailon carabiner, put the harness rescue strap into the mailon carabiner and screw it up properly.

After you screw the mailon up, please put the neoprene cover over the mailon carabiner that will fix the rescue lines and the rescue strap.

step 1

step 2

step 3

step 4

ATTENTION

While mounting the rescue system into the harness, please follow the manual for your harness. In case you are not sure, please pass connecting the rescue system with your harness to the authorized graduated person.

7. Controls Recommended by the Manufacturer

The Rescue System RS requires constant and regular checks (controls) and regular re-packing. The manufacturer does not take any responsibility for damage or loss (material, financial, health and other) resulting from failure to perform regular controls and re-packing by unauthorized person/company. Repacking of the Rescue System RS should be done by the manufacturer or authorized person/company only. In case it is necessary to replace any parts on the Rescue System RS, these must be replaced by the original parts and installed by the manufacturer or authorized person/company only.

ATTENTION

The manufacturer states obligatory controls every year. Maximum life of the Rescue System RS is ten years. Any use of the Rescue System RS after this period must be consulted with and advised by the manufacturer!!!

Control after 1 year of date of purchase	*Stamp and signature of the manufacturer or authorized person/company*

Control after 2 year of date of purchase	*Stamp and signature of the manufacturer or authorized person/company*

Control after 3 year of date of purchase	*Stamp and signature of the manufacturer or authorized person/company*

Control after 4 year of date of purchase	*Stamp and signature of the manufacturer or authorized person/company*
Control after 5 year of date of purchase	*Stamp and signature of the manufacturer or authorized person/company*

8. Technical Information

Rescue Systems RS

Name	**RS 100**	**RS 130**	**RS 160**
Max. pilot weight	100 kg	130 kg	146 kg
Sink (m/s) at max pilot weight	5,5 m/s	5,5 m/s	5,5 m/s
Area flat (m^2)	25,5 m^2	33 m^2	38,7 m^2
Gores	14	16	18
Rescue weight	1,5 kg	1,8 kg	2,3 kg
Material canopy	Porcher marine 9081	Porcher marine 9081	Porcher marine 9081
Material lines	Edelried	Edelried	Edelried
Certification	EN12491	EN12491	EN12491

9. Repairs

ATTENTION
All repairs must be done by the manufacturer. Any unauthorized or self repair may lead to further damage or rescue system failure.

10. Warranty

The Rescue System RS comes with a 2 year warranty against any manufacturing faults.

The warranty does not cover the following:

- Colour fading
- Hidden faults in materials and fabrics
- Damage caused by chemicals, solvents, petrol, sand or sea water
- Damage before, during and after the flight caused by accidents or emergency situations
- Damage caused by negligence

Accidental damage and damage and fault caused by misuse, incorrect storage, incorrect transport, or modifications is not covered by this warranty and therefore a charge will be made for the repair and return of the item. We highly recommend reading instruction manuals before attempting to use the Rescue System RS

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