

# APCO AVIATION

## USER MANUAL

### *High-Rise Rescue Chute*

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#### Introduction

The High-Rise Rescue Chute was developed after the tragic events of September 11 2001 in New York, in an attempt to provide a last chance of possible escape and rescue from skyscrapers and tall buildings.

In case of emergency, it offers an ultimate alternative to rescue people from buildings in case of fire, terrorist attack etc. when no other way of exiting the building is possible, and people are under clear and present danger. The chute presents a last chance resort of life saving in an extremely dangerous emergency situation.

The High-Rise Rescue Chute series are of a flat circular pull-down apex design. This means that in addition to the conventional lines around the perimeter (skirt), there is a single line in the center pulling the apex down to the level of the skirt running from the apex to the bridle. The main line attachments to the skirt are reinforced with V-Tabs, and the skirt and apex skirt are reinforced with 1" tape, and sewn with a four needle machine for an exact finish. This proven design offers the best combination of sink-rate, deployment speed, packing size and weight.

The rescue system consists of a harness with an High-Rise Rescue Chute container intergrated. The use of the system does not require training. All that is required is a simple demonstration of the use of harness and chute. The rescue system will deploy automatically after 25m of free fall. The chute will provide a descent of approx. 5.5m/s with a person weighing 100kg.

Additional possible applications include personal back-up and rescue of maintenance and construction workers on high-rise structures, towers, chimneys, cranes and for window cleaners.

#### Disclaimer of Liability and Warranty

This product is designed solely and specifically as a personal parachute safety system, to be used exclusively by a single individual weighing maximum 120kg, only in case of a real and imminent life threatening emergency, to escape from a high rise building from no less than 30 meters above ground level.

Apco Aviation makes no warranty that the use of this products guarantees personal safety or freedom from physical injury or operates as a life saving mechanism, only that the use of this product has the potential to reduce the risk of death or grave bodily injury when used within the scope of its' specifications and in strict accordance with it's directions.

Apco Aviation disclaims any liability or responsibility for injuries or damages resulting from the use of the equipment.

Apco Aviation has no control over the use of this equipment and the person using this equipment assumes all risk of damage or injury.

It is expressly understood and agreed that by the use hereof by the buyer or by any

subsequent user that Apco Aviation Ltd. and/or the seller shall in no way be deemed or held liable or accountable and makes no warranty, either expressed or implied, statutory, by operation of law or otherwise, beyond that expressed herein.

Apco Aviation Ltd. disclaims any liability in tort for damages, direct or consequential personal injuries, resulting from a malfunction or from a defect in design, manufacturing, materials or workmanship, whether caused by negligence on the part of Apco Aviation or Otherwise. By using any emergency personal parachute rescue system manufactured or sold by Apco Aviation Ltd. or allowing it to be used by others, the buyer and/or user waives any liability on the part of Apco Aviation Ltd. for personal injuries or any other damages arising from such use. The liability of Apco Aviation Ltd. is limited to the replacement of defective parts found under examination by manufacturer to be defective in material or workmanship within 90 days after purchase, and which has not been caused by an accident, striking, improper use, alteration, tampering, excessive use, misuse and abuse. The damage of the buyer and/or user shall be deemed liquidated in the costs of replacement as above.

However, both paragliding and hang gliding are high risk activities, which may cause or result in serious injury or death. When you take it upon yourself to participate in one or both of these sports, you accept the risk inherent therein. You may reduce the risk by receiving proper instruction and by following the basic safety requirements. The Mayday Reserve Parachute System is a sensitive device, which may easily be damaged. Before each flight, the container should carefully be inspected for evidence of damage or wear and proper closure. Any deviation from the manufacturers specifications concerning maintenance, repair, alterations and modifications constitutes willful negligence. It is expressly understood and agreed that by the use hereof by the buyer or any subsequent user that Apco Aviation Ltd. And/or the seller shall in no way be deemed or held liable or accountable and makes no warranty, either expressed or implied, statutory, by operation of law or otherwise, beyond that expressed herein. Paragliding and Hang gliding equipment is sold with all faults and without any warranty of merchantability or fitness for any purpose, expressed or implied. Apco Aviation Ltd. Disclaims any liability in tort for damages, direct or consequential, including personal injuries, resulting from a malfunction or from a defect in design, manufacturing, materials or workmanship, whether caused by negligence on the part of Apco Aviation Ltd. or otherwise. By using any Paragliding or Hang gliding equipment manufactured or sold by Apco Aviation Ltd., or allowing it to be used by others, the buyer and/or user waives any liability on the part of Apco Aviation Ltd., for personal injuries or any other damages arising from such use.

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Lay the High-Rise Rescue Chute out on the ground with the parachute container facing down and the harness straps opened as shown.



Step into the loops marked "LEGS" while facing away from the harness.



Take the two straps marked "SHOULDER" on either side by reaching behind with both hands.



Lift the straps marked "SHOULDER" onto your shoulders, passing your arms through the straps.



Find the Two parts of the interlocking chest buckle.



Close the chest buckle by passing the one metal part through the other.



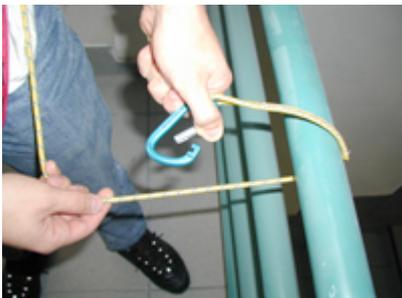
Adjust the chest strap to a snug fit by pulling the free end of the strap.



Locate the shoulder straps adjustment loops on the shoulder adjusters.



Adjust the shoulder straps to a snug fit by pulling down on the adjustment loops.



Locate the static deployment line carabiner on top of the chute container. Attach the carabiner to a solid, immovable point located as close as possible to the escape window.



The line can be attached to large objects such as building pillars/columns by passing the line around the pillar and clipping it back onto itself.



Make sure that the line is fixed properly by pulling hard on the line.



Open a window and jump from the building with maximum force, so as to clear the building as far as possible.

The parachute will open automatically once the static line pulls tight.