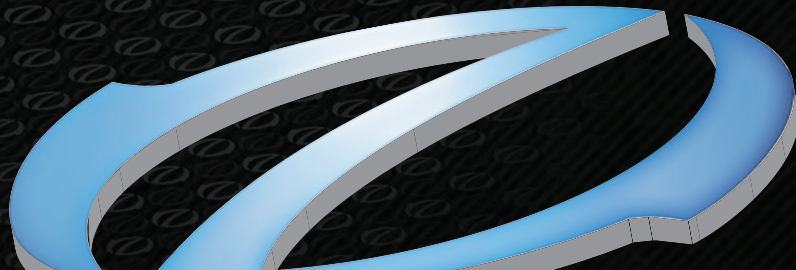




OZIUM 2

Pilots Manual



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THANK YOU

Thank you for choosing Ozone.

The Ozium 2 is an incredibly lightweight XC pod harness designed for adventure flying. The Ozium concept has been well proven during several years of intense vol-biv flying and two editions of the Red Bull X-Alps, the toughest and most brutal adventure race in the world. We took the X-Alps prototypes and added a bit more durability and user-friendliness, making it an excellent choice for pilots seeking a lightweight pod system that is comfortable and features a very low pack volume. The Ozium 2 builds on the success of its predecessor with added features, refined geometry, and improved adjustment systems. In addition, it is even lighter. Pilots can now choose from a range of pod options - the interchangeable pods allow a customised level of durability and warmth in the air, and easy replacement.

As a team of free flying enthusiasts, competitors and adventurers, Ozone's mission is to produce paragliding equipment of the highest quality using cutting edge designs and the best technical materials available. Our development team is based in the south of France. This area, which includes the sites of Gourdon, Monaco and Col de Bleyne, guarantees us more than 300 flyable days per year. This is a great asset in the development of the Ozone range. We know that quality and value for money are essential considerations when choosing equipment, so to keep costs low and quality high we build all our wings and harnesses in our own production facility. During production all Ozone products undergo numerous rigorous quality control checks. This way we can guarantee that our equipment meets the same high standards that we expect ourselves.

If you need any further information about Ozone, the Ozium 2, or any of our products please check www.flyozone.com. Or you can contact your local dealer, paragliding school or any of us here at Ozone.

It is essential that you read this manual before using your harness for the first time.

Safe Flying!

Team Ozone

WARNING

- Paragliding is a potentially dangerous sport that can cause serious injury including bodily harm, paralysis and death. Flying an Ozone harness is undertaken with the full knowledge that paragliding involves such risks.
- As the owner of an Ozone harness you take exclusive responsibility for all risks associated with its use. Inappropriate use and or abuse of your equipment will increase these risks.
- Any liability claims resulting from use of this product towards the manufacturer, distributor or dealers are excluded.
- Be prepared to practice as much as you can - especially ground handling, as this is a critical aspect of paragliding. Poor control while on the ground is one of the most common causes of accidents.
- Be ready to continue your learning by attending advanced courses to follow the evolution of our sport, as techniques and materials keep improving.
- Use only certified paragliders, harnesses with protector and reserve parachutes that are free from modification, and use them only within their certified weight ranges. Please remember that flying outside of certified configurations may jeopardise any insurance (e.g. liability, life etc) you have. It is your responsibility as the pilot to verify your insurance cover.
- Make sure you complete a thorough daily and pre-flight inspection of all of your equipment. Never attempt flying with unsuitable or damaged equipment.
- Always wear a helmet, gloves and boots.
- All pilots should have the appropriate level of license for their respective country and third party insurance.
- Make sure that you are physically and mentally healthy before flying.
- Choose the correct wing, harness and conditions for your level of experience.
- Pay special attention to the terrain you will be flying and the weather conditions before you launch. If you are unsure do not fly, and always add a large safety margin to all your decisions.
- NEVER fly your glider in rain, snow, strong wind, turbulent weather conditions or clouds.
- If you use good, safe judgment you will enjoy many years of paragliding.
- Respect the environment and look after your flying sites.
- If you need to dispose the wing, do so in an environmentally responsible manner.
- Do not dispose of it with the normal household waste.

Remember, PLEASURE is the reason for our sport!

YOUR OZIUM 2



SIZING

The harnesses structure is available in three different sizes; S, M, and L which can be combined with three different pod sizes; S, M, and L suitable for a wide range of pilot heights and body configurations. We recommend the following harness and pod combinations:

Pilot height (cm)	Harness size	Pod size	Weight with Lycra pod (kg)	Weight with 570 pod (kg)	Weight with 720 pod (kg)
155-165	S	S	2.36	2.39	2.65
160-175	M	S	2.40	2.43	2.69
170-185	M	M	2.46	2.49	2.74
180-195	L	M	2.50	2.53	2.78
190-205	L	L	2.53	2.56	2.82

* Weight includes all standard options: Lightweight Foam, Alu Carabiners, Pod incl. Cockpit, Cockpit-Foam, Speedline incl. 2 Brummel Hooks, Polycarbonate Footplate, Bridle-Line, Rescue Handle & Inner Container

POD OPTIONS

The Ozium 2 offers an interchangeable and customisable pod system. You can choose between three different pods at the time of order:

- 1.Lycra Pod:** The Lycra pod is the lightest version ideal for vol-biv and lightweight enthusiasts offering the lowest pack volume and weight.
- 2.570 Pod:** The 570 is a mid-weight option that offers more warmth and durability than the Lycra.
- 3.720 Pod:** The 720 is the thickest and warmest pod available for the Ozium 2. Designed for pilots who prioritise durability and warmth.

STANDARD OPTIONS

As standard the Ozium 2 is supplied with the following:

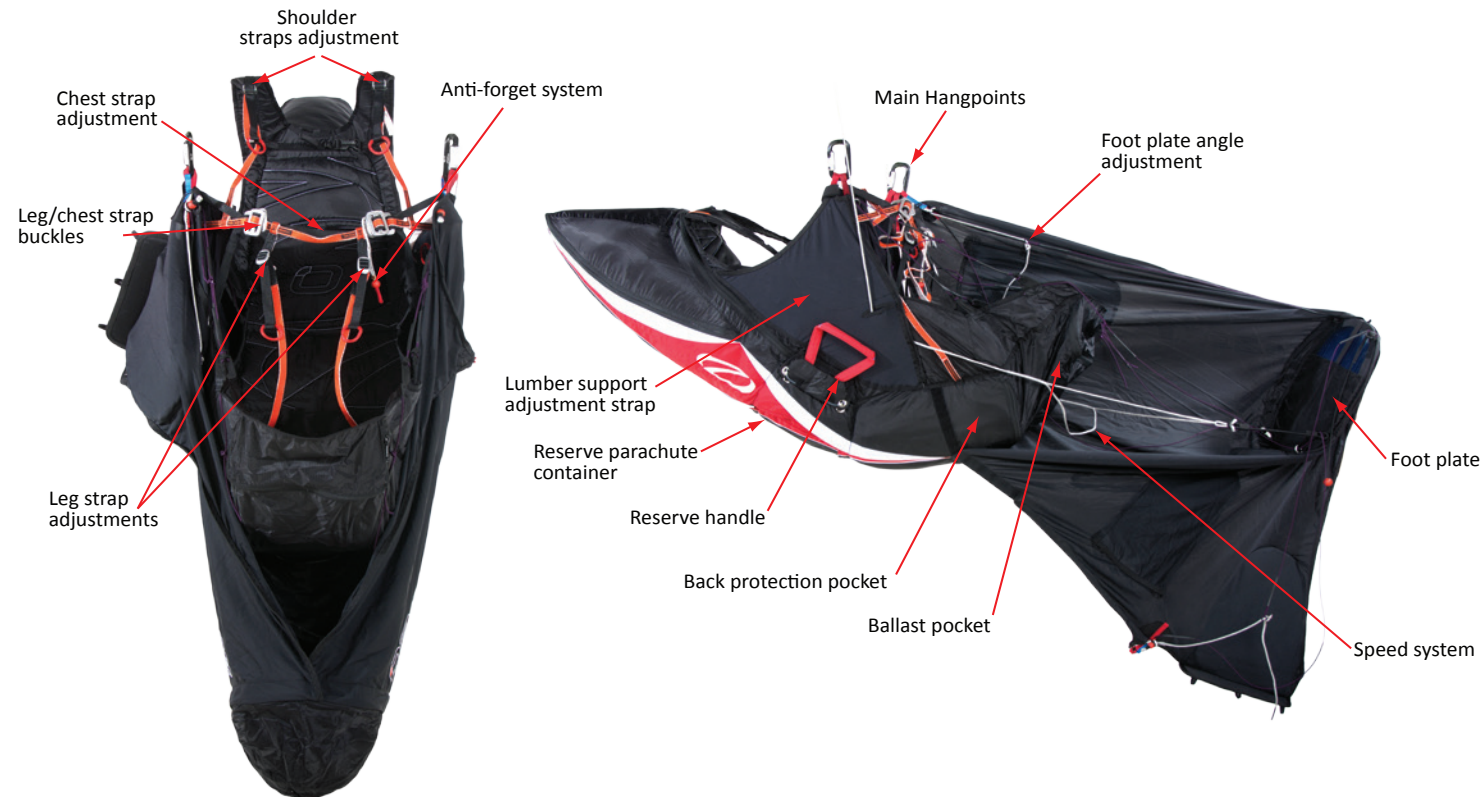
- Lightweight back protector
- Polycarbonate foot plate
- Lightweight integrated cockpit for instruments (Lycra and 570 pods)
- Forza flight deck (720 pod only)
- Integrated speed-system line
- Lightweight aluminium carabiners

ADDITIONAL OPTIONS

At the time of order the following options can be specified:

- Rigid back plate (for the standard lightweight Mousse only)
- Full Mousse protector
- Ultra-light carbon footplate
- Forza flight deck with a larger surface area (for Lycra and 570 pods)
- Forza speed bar (with webbing)
- Radio pocket

PREPARATION



UNDER-SEAT MOUSSE

The Ozium 2 comes as standard with an LTF/CE certified foam back protector. Cleverly designed, it offers excellent impact absorption properties despite its low weight and volume. Available as an option is the 'Full Mousse' protection, also certified to the LTF/CE standards, it offers higher levels of comfort and protection but with a higher weight and volume.

An optional rigid plate is available for the standard back protector, however it is not compatible with the Full Mousse version. The plate improves the overall comfort and protection levels of the harness whilst the added rigidity gives a more direct, responsive feel to weightshift and to the air.

Upon delivery the under seat mousse must be placed into the structure of the harness.

Insert the mousse into the second, rear-most zipped pocket located under the seat. Do not try to force it into the smaller front ballast pocket. The mousse should be inserted lengthways, with the narrow ends being the front or back, do not attempt to insert it into the pocket sideways.



It should be a snug fit but you should be able to close the pocket without forcing the zip.



The optional rigid plate is located in the back protector pocket and sits between the seat and the protector. Slide the plate above the protector with the rounded ends facing forwards. Make sure you close the pocket without forcing the zip.

SPEED SYSTEM

A lightweight integrated speed-line is included as standard. A webbing Forza accelerator speed bar is available as an option. The speed system is already installed by the factory but if you ever need to change it, for example when upgrading to the Forza speed bar follow these steps.

First untie the bar from the lines. Route the free end of one of the lines down through the small reinforced slit found on the side panel of the harness.



Then pass the line through the Ronstan pulley, ensuring that the pulley is not twisted before routing the line through the small gap into the pod compartment.



Ensure that the lines run cleanly between the pulleys and pass on the outside of all structural webbing straps. Double-check the lines have not inadvertently wrapped around any of the structural webbing straps. Attach the speed bar to the foot plate with the bungee and then to the speed bar lines using a bowline knot. Repeat the procedure on the other side. Once in the air, and when it is safe to do so, check that you can place your foot on the bar easily and that the system operates smoothly all the way to full speed.

IMPORTANT: The speed bar lines must be of equal length, ensure they are not too short as this will inadvertently activate the speed system when under tension in the air. Always double-check lengths and symmetry whilst on the ground before flying.

RESERVE PARACHUTE INSTALLATION

The Ozium 2 has an integral reserve parachute container with its own specific parachute deployment bag. The reserve pocket is certified for parachutes with a volume of between 3 and 6ltr, it will accept most modern rescue parachutes including the Angel 140 and steerable Rogallo types.

IMPORTANT: It is strongly recommended to use the deployment bag supplied with the harness.

WARNING: Ozone strongly recommends that the reserve parachute system is installed by a qualified professional. Always seek experienced advice if you have any doubts.

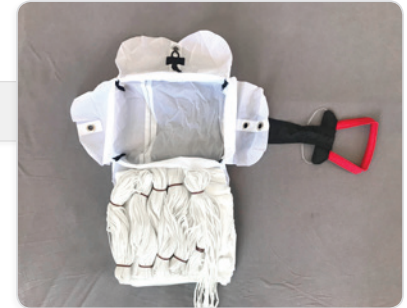
Make sure you perform a practice throw from a static hang point. Not only does this ensure the correct functioning of your deployment system it also allows you to become more familiar with the installation process.

Please note, the parachute can only be deployed with the right hand.

To install a reserve parachute you should first pack the parachute so that it matches the shape and dimension of the supplied deployment bag.



Insert the parachute into the deployment bag and secure the deployment bag with the lines in the normal way. Depending on the size of your parachute you can use either eyelet for the best fit.



Attach the harness bridles to the parachute's bridle using a suitable connector (not supplied).



Please note, the Ozium 2 is only suitable for reserve parachutes with a short bridle.



Open the reserve parachute container on the rear of the harness by opening the zips. Place the deployment bag in the space provided with white arrow on the deployment handle facing uppermost so that it matches the white arrow on the harness, the parachute lines should be underneath and the handle positioned correctly as shown.



Pay attention to the bridles. Do not allow them to become entangled, they should remain neatly in place to the left hand side of the parachute when inserting.



The container can be closed by running both zips forward towards the reserve parachute opening, all the way to the eyelets, and then back again underneath the harness to secure the zips.



Gently pull the parachute handle and top flap out of the way so they are clear of the bottom flaps.



Using suitable pieces of magic string or plastic, pull the white loops through the parachute container eyelets.



FITTING

Close the left hand flap, white loop 1 should be pulled through eyelet 2, and white loop A through eyelet B.



The right hand flap can now be closed. White loop 1 should be pulled through eyelet 3 and white loop A through eyelet C.



Now the top flap can be pulled into position. The handle sits behind the exterior material of the top flap. Pass the nylon pins of the reserve handle through the gaps in the material just above the top flap eyelets.



Pull the white loops through both top flap eyelets and push the pins through the white loops. The magnetic section can be wrapped around the handle and secured behind it to keep it neatly in place.



Finally the ends of the nylon pins can be neatened into the available tunnel as shown.



Before your first flight, we recommend to suspend the harness from a suitably strong point to check that it fits you correctly and to become familiar with the features and adjustments. You can set the shoulder adjustment-straps to find the best fit, and adjust the lumbar support so that they leave you in a comfortably reclined position.

To put the harness on first place the shoulder straps over your shoulders and bring the leg/chest strap through your legs.



Fasten the leg/chest strap by placing the male buckles through the female buckles on each side.



The automatic pod closing system should now be connected. First attach the red loop of the left hand pod flap to the red ball situated under the maillon on the right hand side of the harness. The red ball goes through the red loop.



ADJUSTMENTS



Next pass the red loop of the anti-forget system through the eyelet on the right hand pod next to the instrument panel.



The red ball found under the left hand maillon should now be passed through the loop of the anti-forget system.



The shoulder strap retainer clip should now be fastened.



SHOULDER STRAPS

The length of the Shoulder straps can be modified using the adjustment straps. Adjust the shoulders whilst standing up with the harness on so that they are comfortably snug. Whilst suspended in the seated position ensure the straps are comfortable and supportive, they should not be too tight nor too loose.



LUMBER SUPPORT

The Lumber support should be adjusted for a comfortable flying position. Precise adjustments can be made in the air so that your lower back is completely supported and there is no tension in your stomach muscles. Be sure to adjust the lumber supports carefully, setting them too loose will result in a very reclined position in the air.

LEG STRAPS/CHEST STRAP

The length of the leg straps and chest strap affects the overall stability of the harness. For maximum weightshift the chest strap and leg straps should be left in their longest position. For greater roll stability the straps can be tightened. It is important to test fly and adjust to find the position that is best for your style of flying and overall comfort.



FEATURES

LEG SUPPORT ANGLE

The angle of the leg support can be adjusted using with the knots on the short purple line. Using the higher knot increases the support under your thighs.



FINE TUNING OF THE POD

The harness has been set up so that it will suite the majority of pilots and further adjustments should not be necessary, however if you wish to make changes it is possible to do so. This must be done on the ground and is not possible in the air. The foot plate at the end of the pod is supported by 4 lines (purple), these control the overall length of the pod and the angle of the foot plate.

Minor adjustments to the overall length of the pod can be made by moving the position of the knots on the upper anti-forget lines (grey) and the lower (purple) knots.



The angle of the foot plate can also be changed by moving the position of the knots on the bottom (purple) lines.



IMPORTANT: If any adjustments are made, make sure that the lines are symmetrical. If you do choose to make a change, take your time to find the position that suites you best, only make small adjustments each time.



INTEGRATED COCKPIT

As standard, the Lycra and 570 pods are supplied with a lightweight flight deck. The larger Forza deck is available as an option for the Lycra and 570 pods but comes as standard with the 720 pod. Instruments can be attached either directly to the deck or alternatively to the optional angled Velcro plate. In the air it rests over the top of the chest strap to make it easy to view the instruments.

HYDRATION ACCESS SYSTEM

The Ozium 2 includes a hydration access system with an opening on the left hand shoulder and anchor points for your hydration tube.



VELCRO SHOULDER MOUNTING

The opposite shoulder strap has a lightweight Velcro mounting point for a small vario, radio or GPS tracking device.

RADIO POCKET

An optional radio pocket can be attached to a suitable position on the harness structure.



CARE AND MAINTENANCE

The Ozium 2 will last you many flights and many years if looked after correctly. To keep your harness clean and airworthy, please note the following:

- Avoid excessive exposure to UV, heat and humidity.
- Pack the harness dry and store in a cool dry place.
- Never drag your harness.
- Keep you harness clean of dirt, oils and any corrosive substance.
- Use water and a cloth to clean.

INSPECTION

For safety, routine inspection of all of your equipment is vitally important. Ozone recommends a service interval of 12 months in addition to the usual pre flight checks.

For inspection, visually check the stitching, webbing and all structurally important areas. Pay particular attention to the webbing around the hang point area under the carabiner, as this is where abrasion is most likely.

If you find any damage or if you are in any doubt make sure the harness checked by a professional.

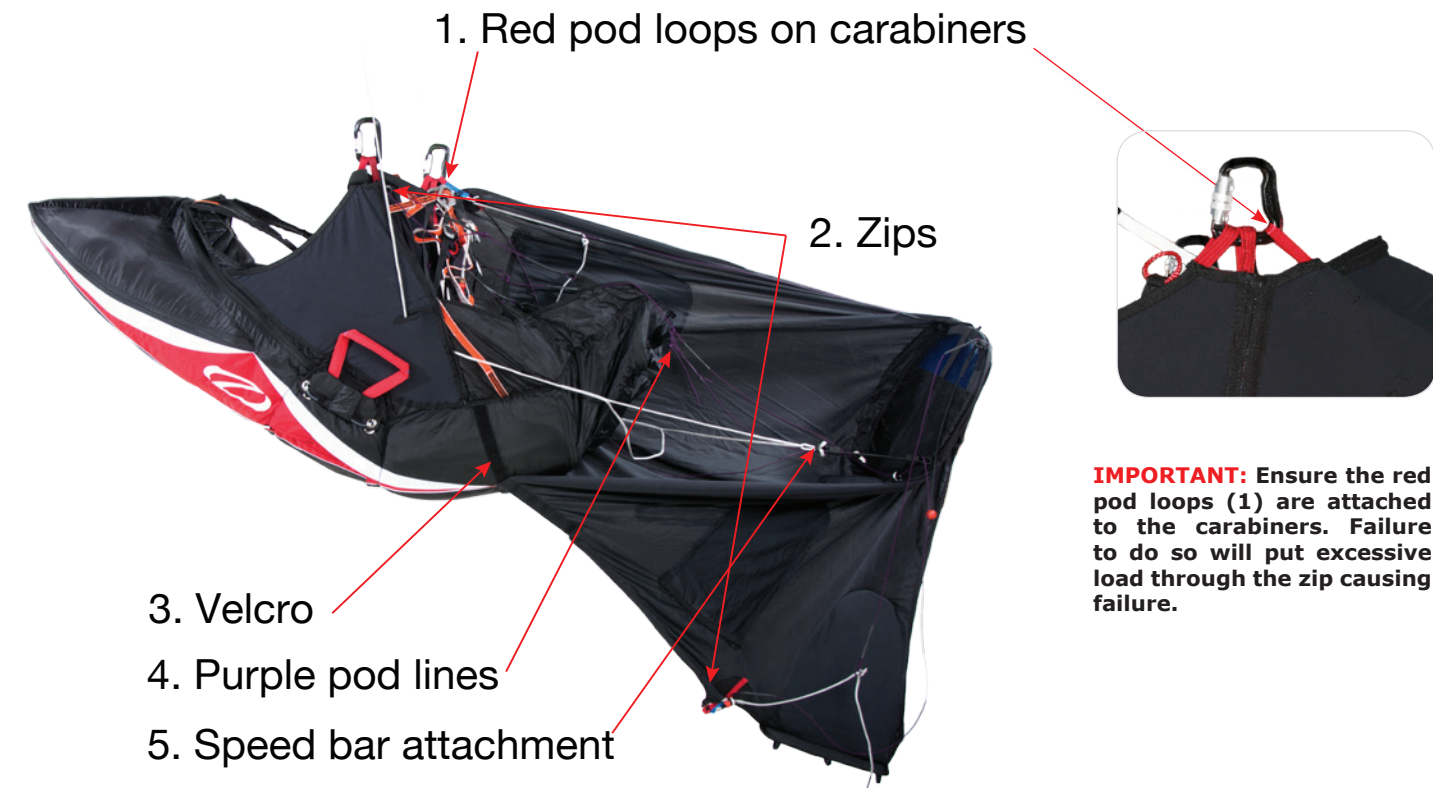
REPLACING THE POD

Replacement pods are available from your Ozone dealer. It is possible after many hours of use, or after an incident resulting in damage that the pod requires changing. To remove the old pod:

1. Disconnect the thin red pod loops from the carabiners (do not confuse these with the main hang point loops).
2. Undo both zips (one each side).
3. Tear the pod off the Velcro.
4. Remove the long lines that run through the pulleys on both sides of the pod.
5. Disconnect the speed bar from the foot plate elastic.

Replacing the pod is the reversal of the above procedure. Use a larks foot to connect the pod lines and make sure the thin red pod loops are connected to the carabiner (step 1). Ensure to use the red loops, the shorter blue loops are for attaching the pod to an Ozium (1) structure.

IMPORTANT: Ensure that the red pod loops (1) are attached to the carabiners. Failure to do so will put excessive load through the zip causing failure.



TECHNICAL SPECIFICATIONS

	S	M	L
Harness, Carabiners, Reserve Bag & Handle (g)	1300	1340	1380
Pod Lycra [light] (g)	540	570	600
Pod 570 [midweight] (g)	570	600	630
Pod 720 [warmest] (g)	690	730	770
Lightweight Foam [standard] (g)	320	320	320
High Density Foam [option] (g)	580	580	580
Polycarbonate Backplate [for Lightweight Foam, option] (g)	195	195	195
Polycarbonate Footplate for Lycra & 570 [standard] (g)	110	135	135
Polycarbonate Footplate for 720 [standard] (g)	185	200	200
Carbon Footplate for Lycra and 570 [option] (g)	90	100	100
Speed System for Lycra & 570 Pod (g)	30	30	30
Forza Speed System for 720 Pod (g)	70	70	70
Cockpit Foam for Lycra & 570 Pod (g)	60	60	60
Cockpit Foam for 720 Pod (g)	80	80	80

Weight includes all standard options: Lightweight Foam, Alu Carabiners, Pod incl. Cockpit, Cockpit-Foam, Speedline incl. 2 Brummel Hooks, Polycarbonate Footplate, Bridle-Line, Rescue Handle & Inner Container.

POD OPTIONS

Pod Lycra All Up Weight (g)	1060	1115	1145
Pod 570 All Up Weight (g)	1090	1145	1175
Pod 720 All Up Weight (g)	1345	1400	1440

Weight includes all standard options: Cockpit, Cockpit-Foam, Speedline incl. 2 Brummel Hooks, Polycarbonate Footplate.

MATERIALS

Outer fabric (Cover)

Nylon Oxford 210D PU2

Structure fabric

Nylon Oxford 210D PU2

Main webbing

Polyster 15 / 25 mm

Chest strap closure system

Lightweight aluminium buckles

Bridle connection

Dyneema rope 5 mm, 2400 kg

CERTIFICATION

The Ozium 2 is certified EN and LTF with a maximum load of 120kgs. In addition the protection (both standard and full mousse) are certified to the CE standard by CRITT (France).

TOWING

The Ozium 2 is suitable for towing. The tow bridles should be attached to the main carabiners, If you have any doubts ask a qualified towing instructor or see the operating instructions supplied with your tow release system.

OZONE QUALITY GUARANTEE

At Ozone we take the quality of our products very seriously. Our harnesses are made to the highest standards in our own manufacturing facility. Every harness manufactured goes through a stringent series of quality control procedures and all the components used are traceable. We always welcome customer feedback and are committed to customer service. Ozone guarantees all of its products against manufacturer's defects or faults. Ozone will repair or replace any defective product free of charge. Ozone and its distributors provide the highest quality service and repair, any damage to products due to wear and tear will be repaired at a reasonable charge.

If you are unable to contact your dealer then you can contact us directly at info@flyozone.com.

Summary

Safety is paramount in our sport. To be safe, we must be trained, practised and alert to the dangers around us. To achieve this we must fly as regularly as we can, ground handle as much as possible and take a continuous interest in the weather. If you are lacking in any of these areas you will be exposing yourself to more danger than is necessary.

Every year many pilots get hurt launching; don't be one of them. Launching is the time that you are most exposed to danger so practice it lots. Some launch sites are small and difficult and conditions aren't always perfect. If you're good at ground handling you'll be able to confidently and safely launch whilst others struggle...practice as much as you can. You'll be less likely to get hurt and more likely to have a great day's flying.

Respect the environment and look after your flying sites. When the harness comes to the end of its useful life, remove all the metal parts and dispose the rest in an environmentally friendly manner.

Finally, RESPECT the weather, it has more power than you can ever imagine. Understand what conditions are right for your level of flying and stay within that window.

Happy flying & enjoy your Ozium 2.
Team Ozone



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Inspired by Nature, Driven by the Elements

WWW.FLYOZONE.COM