




Pénélope

THANK YOU FOR BUYING THIS ITEM



USER GUIDE

SAFETY INSTRUCTIONS >

WARNING : Failing to respect these safety instructions could cause the airbag to malfunction or reduce its efficiency. The **Pénélope** brand will not be held responsible for wrong set-up, incorrect usage or non-compliant maintenance.

In order to get the best out of your AIRLIGHT AIRBAG, please read this handbook carefully. The AIRLIGHT AIRBAG vest has been designed in collaboration with the world's top horse riders and has been specially designed for equestrian sports or for riding for pleasure.

The AIRLIGHT AIRBAG vest is FREEJUMP AIRBAG TECHNOLOGY classified PPE (Personal Protection Equipment) and certified AFNOR standard NF S72-800-2021 under reference CE FREEJUMP 1C.2.

Any clothing worn over the AIRLIGHT AIRBAG must bear the mention FREEJUMP AIRBAG TECHNOLOGY - COMPATIBLE JACKET.

Each AIRBAG is thoroughly tested before it is sold.



- The AIRLIGHT AIRBAG vest has been designed to be worn close to the body. It can be worn on its own or with a garment on top, such as a show jacket, rain jacket, quilted jacket, sweatshirt ...any garment worn over it must imperatively have the label FREEJUMP AIRBAG TECHNOLOGY - COMPATIBLE JACKET.

Wearing non-approved garments over it can cause serious injuries, hinder the activation of the airbag and irrevocably annul any responsibility on the part of AIRLIGHT AIRBAG.

- Make sure you choose the size of your AIRLIGHT AIRBAG vest according to your body shape. AIRLIGHT AIRBAG vests are made in the following sizes : XXS - XS - XST - S - ST - M - L (see the size chart).
- The force needed to trigger the airbag varies depending on the size of your airbag. It is a mechanical system which means it will avoid accidental activation.
- The use of the AIRLIGHT AIRBAG vest is not allowed for riders who weigh less than 35 kg or for pregnant women.
- Do not forget to replace your CO2 gas canister if this has been used (FREEJUMP brand of the same size). The CO2 cartridge is not re-useable.
- Before using your AIRLIGHT AIRBAG vest, make sure you have not left anything in your pockets especially sharp objects.
- Before each use, check that your AIRLIGHT AIRBAG vest is in good condition, with no tears, worn parts or missing parts.



- Put your AIRLIGHT AIRBAG vest away on a hanger in a dry place, safe from damp or very high temperatures.
- Do not sew or stick anything at all on your AIRLIGHT AIRBAG vest because that might damage it or prevent it from functioning properly.
- Make sure that you have properly attached the Y-shaped strap to the stirrup bars of your saddle and that the leash is properly fitted during the use of the airbag on horseback.
- The rider fixes the spring hook of the AIRLIGHT AIRBAG to the Y-shaped strap, previously fixed on the stirrup bars on either side of the saddle. If the rider falls, the ball of the attachment leash is ejected which activates the airbag system. The airbag inflates and protects the rider in the best way possible, in compliance with AFNOR standard NF S72-800-2021.
- AIRLIGHT AIRBAG vests offer total protection when inflated. They are very effective in absorbing impacts and they stabilise the body from the head to the coccyx thereby limiting the risk of spine hyperflexion. Sizes XS and S come in two body lengths in order to adjust better to riders' body shapes and to give the best protection possible.
- The rider must detach himself when getting off the horse. Forgetting to do so means there is a serious risk of unintentionally inflating the bag.
- Do not have the airbag modified or repaired by a non-licensed dealer.
- Do not put on a backpack when you are wearing your airbag.
- The AIRLIGHT AIRBAG vest is not intended for the practice of mechanical sports, skiing, cycling or any other activity other than the practice of horse riding.

PERFORMANCE > Inflation speed 98ms : in 98 ms* the AIRLIGHT AIRBAG vest reaches the pressure required to validate impact tests and provide the optimal protection level set by AFNOR standard NF S72-800-2021 (*value for size S). All AIRLIGHT AIRBAG vests, of all sizes, can be used, whatever the horse's height at the withers.

WARNINGS >

- **WARNING** : An airbag cannot provide total safety for the rider but it gives extra protection. It does not protect those parts of the body which are not covered by the airbag and does not protect from all injuries.
- **WARNING** : It is possible that the air pockets may be damaged or pierced in the case of a fall if they meet a pointed or a sharp object.
- **WARNING** : If the horse falls and the rider remains in the saddle the airbag system will not be triggered.
- **WARNING** : This PPE (Personal Protection Equipment) does not contain any allergenic substance. It is designed so that there is no irritation or discomfort for the user.
- **WARNING** : There may be material damage when the airbag is used.
- **WARNING** : Cartridges are hazardous materials, should be kept out of the reach of children and used with care.
- **WARNING** : Use only the Y cord and the FREEJUMP brand tie cord supplied with your AIRLIGHT AIRBAG .
- **WARNING** : The noise generated by the trigger is likely to cause panic in the horses.



A. Release pin

B. Air bags

C. Cartridges

D. Y-saddle strap

E. Key ball leash

TECHNICAL DESCRIPTION >

A. Release pin / The ball is ejected, the spring relaxes and transmits the energy to the pin which pierces the cartridge instantly releasing the gas which makes the airbag inflate. For your safety and the proper functioning of the airbag do not modify the release pin and do not remove any element.

B. Air bags / The airbags are made of polyurethane specially chosen for its resistance and its quality. It can absorb impacts thank to the optimal pressure guaranteed must be certified AFNOR standard NF S72-800-2021. The pressure drops progressively after the airbag has inflated. **WARNING** the airbags must not have been subjected to temperatures over 50°C.

C. CO2 gas cartridges / The 60 cc cartridge provides effective protection regardless of the volume to be inflated in the airbags which depends on the size of your waistcoat. Find the size of your cartridge on your AIRLIGHT AIRBAG vest. XXS - XS - XST - S - ST - M - L : 60 CC. The cartridge is easily and quickly replaced by yourself. FREEJUMP cartridges are guaranteed for 4 years.

Safety precautions :

- Only use cartridges made by the FREEJUMP brand available at all our retailers (see the list on freejumpssystem.com).
- The cartridge can only be used once. It absolutely must be changed after inflation.
- For safety reasons, we recommend you check your CO2 cartridge once a year. Unscrew it and weigh it (this will not cause the airbag to inflate). You must make sure that the weight of the cartridge is +/- 3g in relation to its initial weight (see the information on the cartridge label). If there is a problem, contact your retailer.



- If rust spots appear on the cartridge or there are signs of deterioration, replace it immediately and contact your retailer.
- The cartridge should be stored and used at a temperature under 60°C. Never expose a full cartridge to high temperatures over a long period (in full sunshine, near a radiator, etc.).
- The cartridge must be used at a temperature higher than 0°C. If it is stored for a long period at less than 0°C allow it to warm up before using it or replace it with a cartridge that has been stored at room temperature.
- Avoid any knocks or bangs to the cartridge, which could damage it.

D. Y - shaped saddle strap / The rider is responsible for correctly fixing the Y - shaped saddle strap to the stirrup bars on either side of the saddle. Check that you have correctly adjusted your Y - shaped saddle strap :

Remove the two stirrup straps from the saddle. Fix the two lengths of the Y strap on either side of your saddle to the stirrup bars. Put the stirrups back in place. Once this is all done, make sure the metal attachment ring is fixed over the pommel of the saddle.

WARNING It is vital to fix the Y-shaped saddle strap to the stirrup bars and not to the saddle metal clips which are not strong enough to resist the traction effort of the Y - shaped saddle strap when there is a fall.

E. Key ball leash / On each end of the leash are a spring clip, a ball and a clip. The ball is located under the release pin by means of a clip and it keeps the mechanical system under pressure. When you are on your horse the spring clip must be fixed to the metal ring of the Y - shaped saddle strap.

STORAGE AND UPKEEP > freejumpssystem.com

- Do not machine wash or dry clean. We advise you to clean your AIRLIGHT AIRBAG vest by hand with a mild soap product and do not rub.
- Do not put your AIRLIGHT AIRBAG vest in the clothes dryer. Do not iron. Do not expose your AIRLIGHT AIRBAG vest to high temperatures (on a radiator, near a flame, in a closed car in full sun ...).
- Do not leave your AIRLIGHT AIRBAG vest folded or rolled up.
- Do hang up your vest on a hanger in a dry place, free from humidity.



RECYCLING >

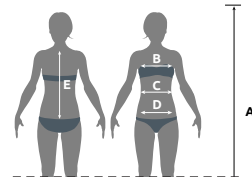
If your cartridge is empty or your airbag vest is at the end of its useful life, please do not throw these items away with domestic refuse. To avoid any danger to the environment or to health please recycle them by going to your local waste disposal department, which will properly dispose of them. freejumpssystem recycles the cartridges. Send them to : freejumpssystem, 2 bis rue de la Course. 33000 Bordeaux. France

CE CERTIFICATION >

The AIRLIGHT AIRBAG vest has been CE certified in conformity with European regulation EU 2016/425 by the certification body ALIENOR CERTIFICATION to AFNOR standard NF S72-800-2021 (21 rue Albert Einstein, 86100 Châtelleraut, France - Accreditation n°2754). The CE declaration of conformity can be viewed on : <https://www.freejumpssystem.com/manuel-airbag-emploi/>

COMPATIBLE JACKET >

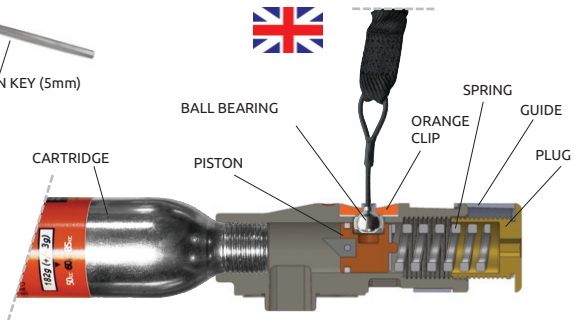
WARNING, the AIRLIGHT AIRBAG vest has been designed to be worn close to the body. It can be worn on its own or with a garment on top, such as a show jacket, rain jacket, quilted jacket, and sweatshirt. These clothes must bear the words FREEJUMP AIRBAG TECHNOLOGY - COMPATIBLE JACKET. List of brands certified as compatible on freejumpssystem.com



		XXS	XS	XST	S	ST	M	L
A	TAILLE / cm	145 - 160	150 - 165	155 - 170	155 - 170	160 - 175	160 - 175	165 - 180
	BOYD HEIGHT / inches	37.4 - 43	39.4 - 45	41.1 - 47.2	41.1 - 47.2	43.3 - 49.2	43.3 - 49.2	45.3 - 51.2
B	TOUR DE POITRINE / cm	65 - 75	75 - 80	75 - 80	80 - 85	80 - 85	85 - 90	90 - 95
	CHEST SIZE / inches	23.6 - 29.5	29.5 - 31.5	29.5 - 31.5	31.5 - 33.4	31.5 - 33.4	33.4 - 35.4	35.4 - 37.4
C	TOUR DE TAILLE / cm	55 - 65	60 - 70	60 - 70	65 - 75	65 - 75	70 - 85	75 - 90
	WAIST SIZE / inches	21.6 - 25.6	23.6 - 27.5	23.6 - 27.5	25.6 - 29.5	25.6 - 29.5	27.5 - 33.4	29.5 - 35.4
D	TOUR DE HANCHE / cm	65 - 85	75 - 95	75 - 95	80 - 100	80 - 100	85 - 105	90 - 110
	HIP SIZE / inches	25.6 - 33.4	29.5 - 37.4	29.5 - 37.4	31.5 - 39.3	31.5 - 39.3	33.4 - 41.1	35.4 - 43.1
E	LONGUEUR TAILLE ÉPAULE / cm	27	30	33	32	35	34	36
	SIZE LENGTH SHOULDER / inches	10.6	11.8	13	12.6	13.7	13.3	14.1
CARTOUCHE FREEJUMP®		60CC						

* LES CARTOUCHES FREEJUMP SONT GARANTIE 4 ANS, / 4 years guarantee high performance FREEJUMP CARTRIDGES.

- B** - Tour de poitrine : Périmètre horizontal maximal mesurée sur un sujet debout respirant normalement, au moyen d'un mètre ruban passant sous les omoplates, sous les aisselles et en travers de la poitrine.
- E** - Longueur taille / épaule : Longueur mesurée dans le dos du tour de taille à la ligne d'épaule, cette longueur est destinée à être mesurée sur le corps au moyen d'un mètre-ruban.



REACTIVATING THE SYSTEM >

WARNING Incorrect reactivation of the system might prevent the proper functioning of your airbag. If you have the slightest doubt over this procedure, do not hesitate to get advice from your retailer or go to www.freejumpsystem.com, where you will also find explanatory videos.

1/ After the activation of the mechanical system (inflation of the airbag) the metal ball has been ejected and the spring is visible. Unscrew the CO2 cartridge and remove it.

2/ Unscrew the top with the Allen key provided with the airbag. The top is held in place even when unscrewed.

3/ Put the piston back in place with the Allen key or with your finger. Make sure the notch in the piston is opposite the hole where the ball will be placed.



4/ Put the ball back in its setting. The ring around the ball must be correctly positioned and flat. Put the orange clip in its place. Begin to screw the top back on by hand.

5/ Finish screwing on the top with the Allen key. The top must be in contact with the cylinder. Do not over-tighten or you might damage the pieces.

6/ The final stage is to reinsert a new CO2 cartridge and screw it in completely but without forcing it. Check that the cartridge is tight enough and that it has not been screwed in at an angle.

GUARANTEE >

AIRLIGHT AIRBAG vests are CE certified and automatically guaranteed for 2 years. You can extend the 2-year guarantee to 4 years from the date you purchase the airbag (does not cover the textile part) by registering on the freejumpsystem.com website. To find out about terms and conditions please go directly to the website.

AFTERSALES SERVICE >

If you encounter one or the problems listed below or if you have the slightest doubt about the correct way to use your airbag, do not use it but contact your retailer :

- If the fabric part is torn, or the airbag is visible or pierced
- If there is a split, a beak or corrosion on the sides of the release pin or on the gas cartridge.
- If the Y-shaped saddle strap shows signs of deterioration.
- If the leash is shredded or frayed or if it has lost its elasticity.
- If you detect any abnormal wear in the product.


Penélope
Airlight
Airbag

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