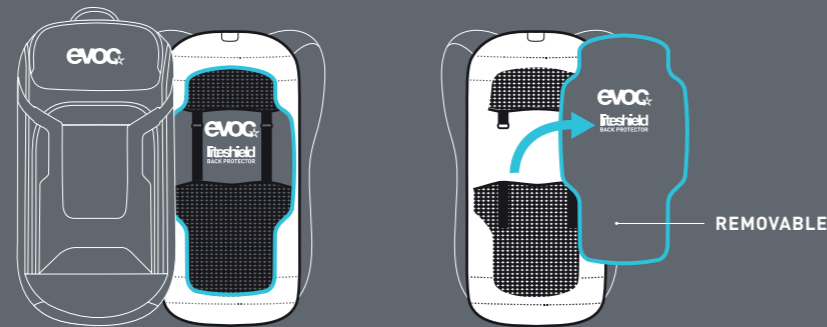




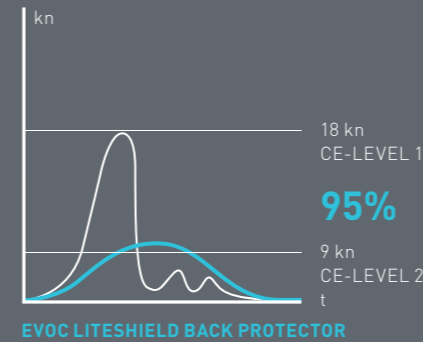
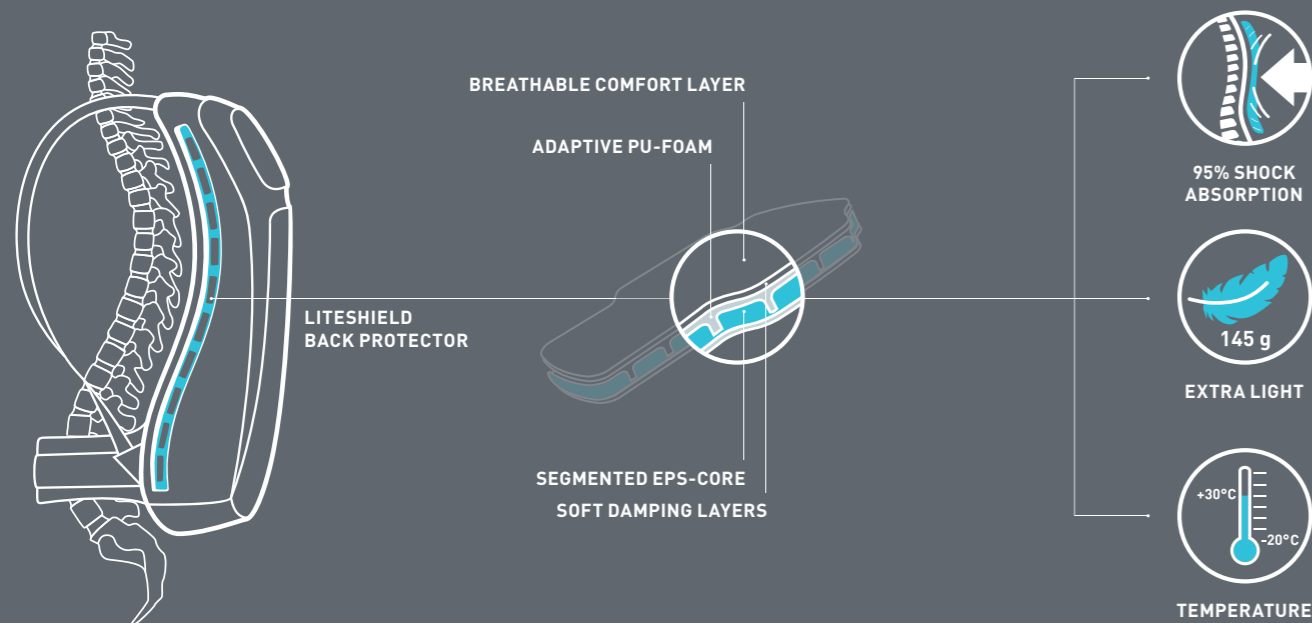
BACKPACK WITH INTEGRATED LITESHIELD BACK PROTECTOR



LITESHIELD BACK PROTECTOR

The EVOC LITESHIELD BACK PROTECTOR combines maximum protection against falls and a feather-light, highly effective construction with a great deal of flexibility. At the same time, it is completely impervious to temperature. As is the case for most sport helmet manufacturers, we use an EPS construction,

although ours is specifically adapted to back protection requirements by means of a segmented, multi-layer approach. Besides featuring excellent shock-absorbing properties, this protection concept enables fall damage to be identified immediately, so that the protector can be individually replaced.



CE-NORM EN 1621-2 + TÜV/GS

Materials and protective functions have been tested and certified by TÜV SÜD, according to EU norm 89/686/EEG for personal protective equipment (PPE), category 2. IN ADDITION, they have been certified in respect of product safety by TÜV/GS.

CE EN 1621-2 REQUIREMENTS

With a residual force value of only 9.75 kN, the EVOC LITESHIELD BACK PROTECTOR achieves a damping effect that is almost double that required. This means that about 95% of the impact force is absorbed! CE-Norm proved:

- PROTECTED AREA
- SIZES
- TEMPERATURE RANGE
- WATER TEST
- DIRECTIONS FOR USE

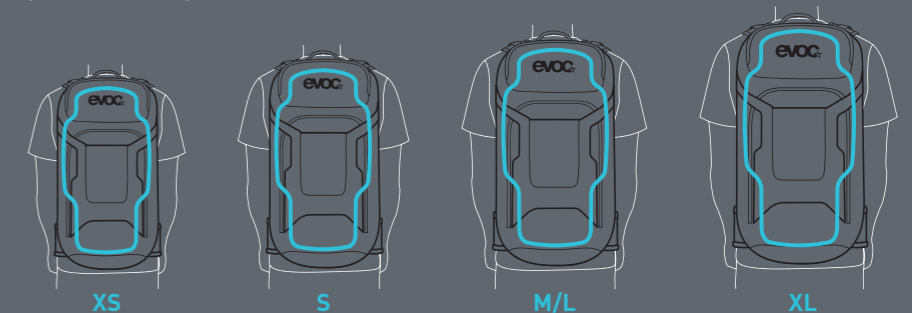
ADDITIONAL TÜV/GS REQUIREMENTS

- Overhead stability test at full load [e.g. 20l volume = 18kg test weight!]
- Adjustment options
- Chemicals: Test of 18 harmful substances
- Independent inspection body
- According to the German Product Safety Law (ProdSG)
- Annual onsite product inspection



PROTECTOR BACKPACKS AVAILABLE IN 4 SIZES

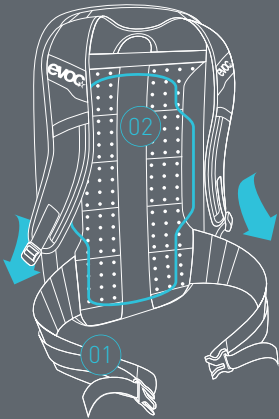
XS, S, M/L, XL, depending on upper body length. EVOC offers more than 100 protector backpack models in all sizes and colours!



FREE LITESHIELD BACK PROTECTOR REPLACEMENT

EVOC now offers a special customer service with the free CRASH REPLACEMENT of all PROTECTOR BACKPACKS and PROTECTION WEAR products. Like helmets the LITESHIELD PROTECTOR is part of your personal protective equipment and protects vital parts of your body. It should be replaced after a serious crash.

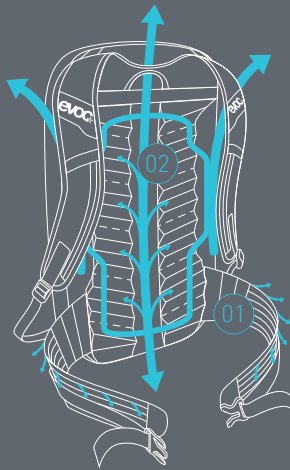
# PROTECTOR BACKPACKS TECHNOLOGY



## LITESHIELD SYSTEM

The core component of the protector backpack system is the extra-wide, ergonomically shaped **01** neoprene hip belt with Velcro fastening and a large heavy-duty buckle. This system transfers the main load onto the hips, namely right to the body's centre of gravity. At the same time, the ergonomically cut shoulder straps keep the

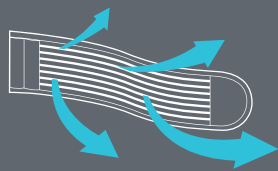
backpack comfortably in the predefined position to guarantee perfect back protection. The necessary proximity to the back of the **02** back protector is ensured through mesh elements, EVA foam with ventilation holes and a large, central ventilation channel for maximum air circulation.



## LITESHIELD SYSTEM AIR

This system combines the essential back proximity for a back protector with maximum back ventilation. The back area is close fitting and features a large, central ventilation channel as well as two rows of "ventilation grids": air mesh-covered **02** EVA foam strips with ventilation holes and a special gabled groove reduce the contact surface on

the back, which improves air circulation. The extra-wide, ergonomically shaped **01** hip belt is made from our AIRO FLEX material. In this way, the main load – even in the case of a fully loaded backpack – is transferred to the hips, where it is fixed, while optimum breathability is ensured.



## AIRO FLEX

AIRO FLEX is an extremely sturdy material that is both permeable and flexible. We use it for our top-quality hip belts

to ensure optimum load transfer to the hips, with simultaneous maximum ventilation – for utmost carrying comfort.

# PROTECTOR BACKPACKS

## FR TRAIL 20L



### RED

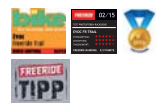
100103500-S  
100103500-M/L  
100103500-XL



### BLACK

100103100-S  
100103100-M/L  
100103100-XL

**MATERIAL**  
N210 D Ripstop  
PU coated, 3D Air  
Mesh, Air Mesh,  
EVA Tarpaulin  
Mesh PVC free,  
Neoprene, P600 D  
PU coated



**SLATE -  
NEON BLUE**  
100102225-M/L



The FR TRAIL comes as a daypack with integrated back protector. 20 litres of capacity and an ergonomic fit make the backpack an absolutely reliable partner on a bike tour.

- LITESHIELD BACK PROTECTOR offers 95% shock absorption
- Tool compartment (separate, wide swing-opening)
- Accommodates hydration systems up to 3 l
- FREE PROTECTOR CRASH REPLACEMENT

20 l, 1300 g, 27 x 56 x 14 cm

### FEATURES



# PROTECTOR BACKPACKS

## FR TRAIL TEAM 20L

## FR TRAIL UNLIMITED 20L



### unlimited

**BLACK - WHITE**  
100102105-S  
100102105-M/L  
100102105-XL



ATTACHMENT  
SYSTEMS FOR  
HELMETS AND  
PROTECTION  
GEAR



### team

**LIGHT PETROL -  
OLIVE**  
100102305-M/L

An individual colour concept differentiates the FR TRAIL **team** and the FR TRAIL **unlimited** from the FR TRAIL standard model. As an additional extra, this model features a hip belt pocket.