

As a stretcher for emergency. As a bed while waiting for rescue.
The airbag stretcher inflates instantly by CO2 gas.
 A slide board under the stretcher protects against damages from ground.
 The stretcher can be slid and carried by one person.

Only 3 seconds to inflate.



Strong inflation which prevents an injured person from touching the ground.



Seven airbag tubes



60mm thickness

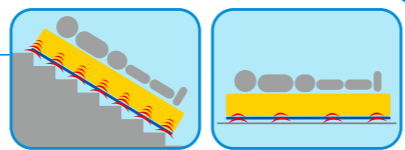
Flexible use

- Non-frame design enables the stretcher to move around in a small space like stairs and elevators.
- Reusable by changing the CO2 cartridges as long as there is no damage on the stretcher.
- Manual air pump can inflate the airbag without using the CO2 cartridge.
- As a normal stretcher when not inflating.
- Washable

Advantages of the airbag system

Sliding on stairs

Sliding on stairs by the slide board. Absorbing impacts by the airbag.



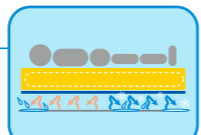
Small size storage by rolling

Compact size in a storage bag (W86cm x H22cm) to store under a bed or in a locker. A handle is attached for carrying.



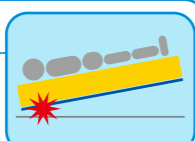
Protection from ground condition

The slide board and air in the airbag protect an injured person from heat, cold or other bad ground conditions.



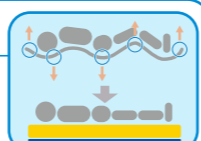
Impact reduction while carrying

The airbag reduces the impact in case it hits objects like walls or poles while carrying. It also reduces an impact when placing on the ground.



Less physical strain

Seven strong airbags reduce physical strain.

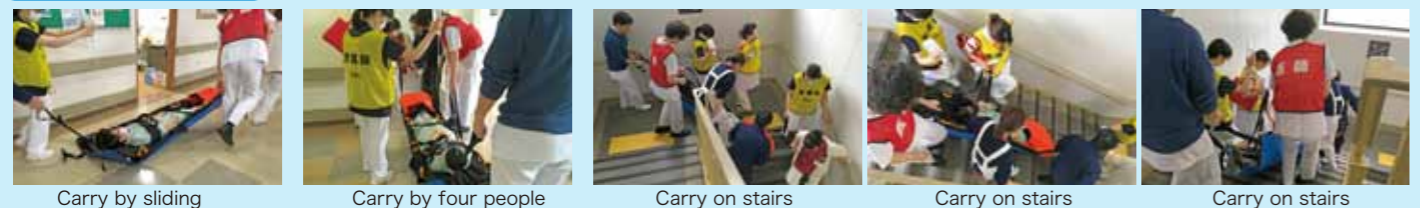


Example of use and Simulation

Example of use



Simulation



Structure

Before Slide board: Multilayer board Thickness 1.5 mm

After Air release valve

Inflates within 3 seconds.

Manual air pump: Exhalation valve (Blue), Inhalation valve (Red)

The stretcher can be fully inflated by a manual air pump without the CO2 cartridge. Put additional air by the air pump when the airbag became softer after long time use.

Labels: Airbag trigger system, Chest belt, Handle (Withstand load: 80kg per one handle), Shoulder belt with shoulder pad, Detachable One-touch buckle (Withstand load: 160kg), Detachable belt with grips, Stretcher and slide board are detachable by Velcro fastenings.

Size Airbag(Before): 1780 x 800 mm
Board: 1900 x 800 x Thickness 1.5 mm
Weight: 5.5 kg

Roll and store in the bag
 Size: W86·H22·D22cm

Detachable belt with grips
 Storage belt, One-touch buckle (Withstand load: 160kg)

Chest belt (Velcro fastenings)

Fall prevention foot cover and belt

How to activate

Take out from the bag and Unroll the stretcher.

⚠ Don't activate as the stretcher is rolled.

Pull the cord as the cartridge is held vertically as shown in the image.

Activation

Inflates within 3 seconds.

The stretcher inflates in about three seconds.

How to reinstall the CO2 cartridge.

Reusable by changing the CO2 cartridges as long as there is no damage on the stretcher.

How to release air ⚠ Release air completely. Otherwise, it may burst when it is inflated again.

- 1 Insert the projection of the cap of the air release valve.
- 2 Release air completely by rolling the stretcher
- 3 Cap the air release valve

How to re-install ⚠ The CO2 cartridge is not reusable. Screw the new CO2 cartridge fully into the bottom until it cannot go any further.

- 1 Hold the airbag trigger system and unscrew the used cartridge.
- 2 Lift up the lever of the airbag trigger system.
- 3 Screw the new CO2 cartridge fully into the bottom until it cannot go any further.
- 4 Re-installation is done and the stretcher is now usable.

1 After use, insert the projection of the cap into the air release valve and roll the stretcher to deflate completely.
 ⚠ Cap the air release valve without fail after deflating the stretcher.

2 Unscrew and take out the used cartridge. After lifting up the lever, please install the new cartridge. (The lever must be lifted up before screwing the new CO2 cartridge.)