



## PAX instruction for use PAX Vacuum products

**Artikelnummer:** 155165210S PAX Vacuum-Mattress - IMat  
155125210S PAX Vacuum-Mattress - ErgoMat – Handle strip  
155135210S PAX Vacuum-Mattress - ErgoMat – Handles  
155145210S PAX Vacuum-Mattress - MummyMat – Handle strip  
155155210S PAX Vacuum-Mattress - MummyMat – Handles  
160875210S PAX Vacuum-Mattress - ErgoMat - Head-Fixation - Handles

155535210S PAX Vacuum Forearm Splint  
155545210S PAX Vacuum Leg Splint  
155555210S PAX Vacuum Ellbow Splint

162025210S PAX Vacuum – Splint - rec Arm  
162035210S PAX Vacuum – Splint - rec Joint  
162265210S PAX Vacuum – Splint - rec Leg

162305210S PAX Reilly – Splint Forearm  
162295210S PAX Reilly – Splint Leg  
162285210S PAX Reilly – Splint Ankle

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### Limitation of liability

Before using one of the products of the PAX Vacuummattress range it is mandatory to read these instructions very carefully and to make sure that everything is understood. Only people in good physical and mental condition may use the PAX Vacuummattresses. They have to be trained in the correct handling and must have the necessary knowledge of the product or need to be under the observation of such a person.

### Product description

The PAX Vacuummattress series consisting of the IMAT, MummyMat and the ErgoMat is suitable for the immobilisation and fixation of patients with a suspected bone or spinal injury as well as head or polytrauma.

The PAX Vacuummattress has 5 replaceable lateral handles which you can also adjust in position. They are marked in yellow. The MummyMat and the ErgoMat are available as an additional version. They come with a welded handle strip. Their handles are neither replaceable nor adjustable. There are 5 textile straps different in color for the fixation of the patient arranged over the complete length of the mattresses.

They are also replaceable and adjustable in position.

The outer cover of the vacuummattresses consist of two airtight materials. The inner layers consist of chambers filled with EPS Pearls. There is a two way safety valve for the release and the filling of the mattresses with air to prevent the unintentional exhaustion or inlet of air. The mattresses can be adjusted to the patients body shape by the vacuuming of the mattresses.

As soon as the mattresses do not contain any air, they can no longer be adjusted. In this state the mattresses are in a stiff and hard condition, wrap the patient and by this provide a perfect support and stabilisation.

The durability of the mattresses depends on the frequency of use and the resulting abrasion as well as the storage conditions. We recommend a durability of 5 to 7 years.



## Usage

1. Put the mattress on a flat surface close to the patient. The valve should be open . CHECK!
2. If necessary, adjust the mattress to the situation or lay it out flat.
3. Close the valve by turning it clockwise as soon as the mattress has taken in enough air and is ready to bed the patient. After that connect the pump or the suction device.
4. Bed the patient in the required position. Make sure to use the correct medical position.
5. As soon as the patient is in the optimal position, form it around the patient so that he/she lies comfortably. Make sure that the mattress fills the space between the legs of the patient.  
Do not form the mattress from the top around the patients head or from the bottom around the feet.  
This could cause unwanted pressure on the spine.
6. Now close the straps for the fixation of the patient according to the color code and tighten them.  
Make sure that the straps are not too loose but not too tight either. You should also observe the position of the PAX-Lock
7. Now exhaust the air and model the mattress afterwards. Tighten the straps once more and check the optimal fit of the mattress and the straps. The patient should be in a stable and comfortable position.
8. The patient is now ready for transport.

## Cleaning and disinfection

The mattress should be checked for damages and soiling after every use. Clean the mattress after every use with a wet cloth, if necessary with soapy water and dry it afterwards. If needed, disinfect the mattress with a common disinfectant or a 70 % alcohol solution. Make sure that the mattress is completely clean and dry before the disinfection.

## Maintenance and repair

The vacuum mattress and the pumps should frequently be checked for damages, leakage and the proper usability, ideally after every use. Apart from that you should also check if the straps and handles are still intact.

If you should notice damage of any of these components, replace them immediately. You can check the mattresses for leakage by covering the complete mattress with soapy water and filling it carefully with air with the help of a pump. Do not pump it up too hard! Should there be bubbles at any place you know where the leakage is.

You can fix it with the PAX Vacuum-Repair-Set. To do this you need to clean the affected spot thoroughly and let it dry afterwards. Now cut out a round patch of the material included in the repair-set. It should be 1-2 cm larger than the leakage. Apply a thin layer of the glue on both patch and leakage. Please note that it should be a thin layer. Do not apply too much. Let the glue get some air and press the patch onto the leakage. Make sure that there are no air pockets.

You can use the vacuum mattress again after about 24 hours. Please send the mattress to us if the whole should be too big.

## Storage

Check the mattress for its operational capability before storage and after every use.

Open the valve and put down the mattress flat on the ground. As soon as the granulate has spread out evenly and no more air is coming in, the mattress can be folded and put into the provided storage bag. It protects the mattress from environmental influences like UV radiation, dirt etc. You can now store the mattress at its repository.

## Recommendation

During its lifetime the PAX Vacuum Mattress loses durability. This is accelerated by UV radiation, heat, chemicals, aggressive environments and dirt.

Please check the PAX Vacuum Mattress for its proper condition. It has to be in perfect technical and hygienic state. Otherwise a safe use can not be guaranteed.