MedVac - Warming Mattresses

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MedVac Reuseable Warming Mattresses

- ***keeping the patient warm, dry and eliminating decubitus***

Construction

Breathable textile

Soft 3D fabric

Hard 3D fabric

Liquid barrier

1st level - the green ESD nylon textile is facing the patient.
Integrated carbon threads reduce electrostatic charging.
This airtight/yet vapor permeable textile prevents airflow in the surgical area but can absorb liquids inside the blanket.

2nd level - the pressure relief is carried out by a fine, soft 3D knitted fabric.
This level has the task of absorbing pressure peaks or dissipating higher pressure loads to the 3rd level.
At the same time, the special construction of the individual fibers prevents the knitted fabric from tipping or breaking away under higher pressure loads.

3rd level - forms a harder 3D fabric, which, in coordination with the overlying 2nd level, depicts the entire pressure relief.
The rough structure increases the friction to the table for a better grip.

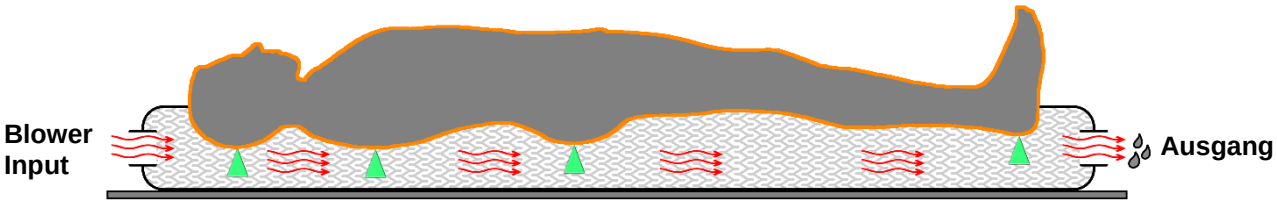
4th level - level lying on the operating table.
This material is coated with TPU on the inside. The task of this textile is to ensure that the liquids or moisture that are introduced remain in the ceiling until they are discharged from the ceiling by the air flow.

Advantages of the warming mattresses

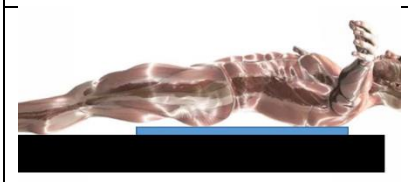
The warming mattress inflates a little according to the specifications in order to adapt to the contours of the patient's body.
The actual heat transfer takes place through this full-surface contact or connection of the textile to the skin and gives the patient a pleasant feeling of warmth.
The patient lies on the 3D fabric, which can fully absorb the weight or pressure.
Even hard operating tables can be made completely pressure-relieving.

The air flow introduced into the ceiling by a warm air blower does not flow in the direction of the patient, which means that no air flow or turbulence can occur in the operating area.
There is also no additional risk of contamination or disruption of the air flow system in the operating theatre by the heating blanket.

The patented ventilation system provides that the introduced air from the blower, over the entire ceiling - to the opposite side - is selectively discharged via a filter textile.
This also avoids a possible air jam in the ceiling.
With this concept, the ceiling is heated quickly and evenly, and blowers with low air volumes can also be used.
In addition, only one air connection is required for operation.



Comparison of typical heating systems

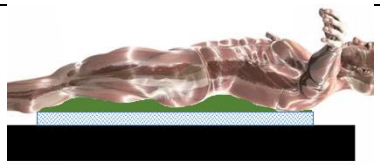


Heating mats

- Enable temperature control through direct contact with the support surface.
- No pressure relief
- Area for heat transfer may be very small.
- Moisture absorption is only possible through disposable blankets

Disposable mats

- Are compressed under pressure.
- Heat transfer is greater than heating mats.
- Usually no possibility of moisture absorption because the ceilings are coated



MedVac warming mats

- 3D knitted fabric enables pressure relief and full-surface temperature control of the patient.
- Mats conforms to patient's contour

Warming Matresses
Excerpt from the product range

AM01 Warming mattress for Lithotomy position 90x110cm	
AM02 Warming mattress short Universal 60x110cm	
AM03 Warming mattress long Universal ca. 60x200cm	
AM04 Warming mattress for Lateral position 70x110cm	

Other shapes available at short notice on request.