

The adjustment of the cushion should be made by an experienced orthopaedic engineer according to the following instructions:

1. Seat patient on cushion. Cushion to contain a small amount of air only.
2. Seat patient according to specific need.
3. When you are in position make a vacuum by using the hand pump (red end) until the pump does not suck in any air. After that the pump can be taken out of the valve. During the whole process of adjustment the client stays sitting on the pillow.
4. Decubitus endangered areas can then be relieved by pressing the demanded areas in the pillow after vacuuming.
5. The depth of the cushion (uncovered) can be calculated by measuring the distance between the deepest point of impress and the bottom of the pillow – to be less than 1-5 cm refills are possible.
Refilling materials and equipment are available from Vakuform.
6. Because of the high workmanship the vacuum in our cushion lasts for a long time. Nevertheless overtime air gets into the cushion. For that especially at the beginning of usage the air should be evacuate short with ballpump every one or two days.
This work can be done by the patient after instruction through therapist.
Please notice to control the firmness of the cushion regular.

Content of the cushion:

The content of the cushion is made of fine polystyrene granulate. Contents are variable: take out the pillow valve and refill or take out granulate as required. In this way the thickness of the pillow can be adjusted individually.

How to care:

The cushion can be disinfected as well as hand washed at 60°C. The covering can be removed, it can be disinfected, and machine washed at 60°C.

Size:

Made to measure

Delivery:

- 1 x polystyrene filled neoprene cushion.
- 1 x ball hand pump with extension hose.

Order-No.:

- 11000 for seat cushion up till 46 x 46 x 10 cm.
- 11001 for seat cushion more than 60 x 60 x 20 cm.
- 11010 for back cushion up till 46 x 46 x 10 cm.
- 11011 for back cushion more than 60 x 60 x 20 cm.

Guarantee:

2 Years

Optional:

- Cover for cushion. Bottom made of anti slip material, top made of 3 mm distance-mesh-material.
- 7mm distance-mesh-material as in between lining.



vacuum and air cushion technology
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VAKUFORM
Seat- and Backcushion

Instruction for use

Vakuform products represent a unique combination of vacuum technology with highly flexible neoprene material. Thus it is possible to adjust Vakuform wheelchair cushion in an optimum and uncreased way to the body shape.

Use:
 VAKUFORM wheelchair cushions are made for patients with high a risk of decubitus and in special cases for patients who already have decubitus.

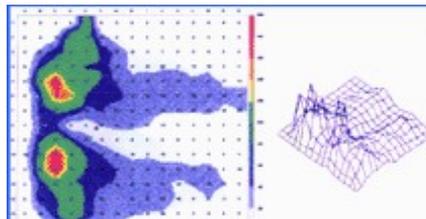
Principle:
 Input of air makes the cushion soft dynamically fitted to the body shape. The process of vacuuming then leads to the cushion forming a rigid shape, which gives a negative impress of the body shape. This adjustment of the cushion to the anatomic surface changes the ratio between weight and lying area and reduces the pressure load. Through that an optimum distribution of pressure is reached.

In contrast to conventional inflexible adjusting methods of inflexible materials, highly flexible VAKUFORM products guarantee consistent, fast and problem free pad adjustments in relation to the patient's altering positions.

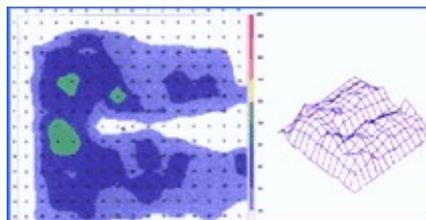
Furthermore neoprene has even when in a hard vacuumed state the feeling of upholstery, which increases comfort and minimises the pressure.

In deflated condition the cushion creates a stable seat and if necessary can be adjusted. With suspected or already existing decubitus, endangered body parts can be relieved by impressing the cushion with the hand in the designated area. This leads to an additional relief of pressure.

Excellent distribution of pressure results:



Picture: test person (without seat cushion) maximum pressure results 200



Picture: test person (with seat cushion) maximum pressure results 78

Test results, source:
 German institute for caring aid science and advice (Neander, Göttingen)

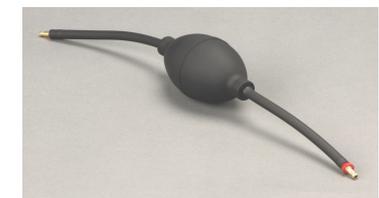
Every VAKUFORM cushion is equipped with a self closing valve on the right side, where air can be let in and out. The amount of air inside the pillow is regulated by a delivered hand pump



Self-closing valve for hand pump
 (Illustration wheelchair seat cushion incl. cover)

Handle the ball pump:

- To let air out enter pin into the red end.
- Air is filled through the brass end.



(Picture: Ball pump)

Brass end:
 air inlet

red end:
 air outlet