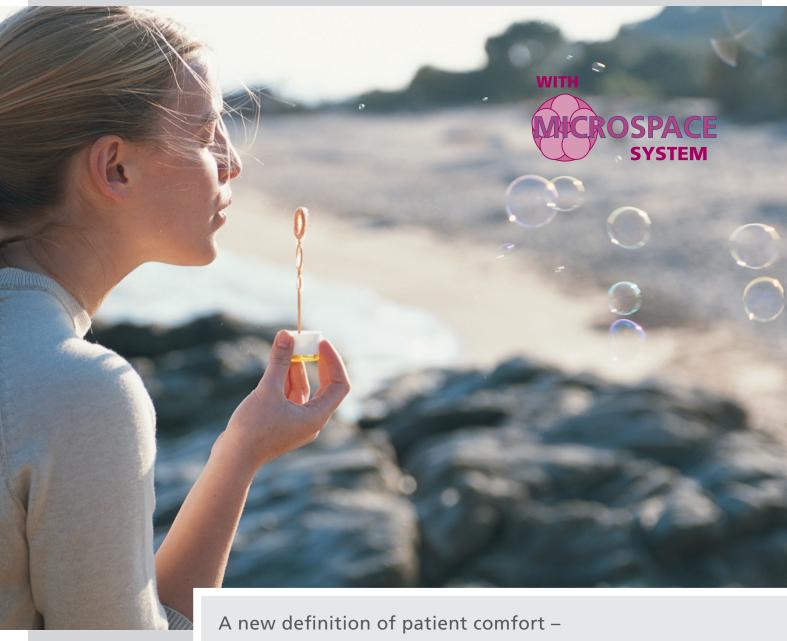
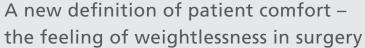
THE SURGICAL BEDDING CONCEPT - A NEW GENERATION











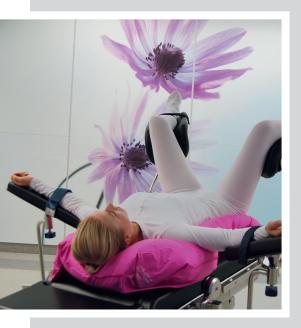








The product benefits of Vacuform[®] 2.0 surgical mattresses



- Optimized pressure relief (pressure test of ETH-HEMPA**)
- Free of latex, PVC and softening agents (biocompatible)
- 100% suitable for X-ray, MRI and CT use
- Image converter application possible during surgery
- In color-therapy, the color magenta next to green is described: "Having a general harmonizing effect on body and soul"

technology of a special coated PUR foil on the bottom side and makes them slipproof. The coating of the upper side is

particularly soft, flexible and absolutely stable in form. Vacuform® 2.0 contains no latex, PVC and zero softening agents such as e. g. DEHP and biocompatible. The optimized pressure relief ensures the microcirculation needed by skin.

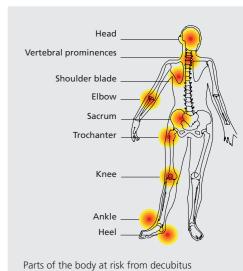
Vacuform® 2.0 is 100% permeable to X-rays as well as suitable for MRI and CT use, and they are equipped with a plastic valve for one-handed operation. Thanks to the new materials and technologies, Vacuform® 2.0 provides highest Vacuform® 2.0 is provided with a new possible comfort for the patient while ensuring optimal working conditional for the surgical stuff and surgeon.

Decubitus prophilaxis in the operating theatre

Particularly during **time-consuming** operations or with patients who are older and in poor condition, there is a risk of pressure points leading to acute decubital ulcers* and paresis (paralysis from nerve damage). The individual, **ergonomic body** adaptation of Vacuform® 2.0 surgical mattresses effectively prevents such

damage. The **support pressure** of the patient is optimally distributed over the whole body and thus reduced to a minimum. The **microcirculation** needed by the skin is unaffected. The patient has a noticeable feeling of comfort, a feeling of lightness and warmth.

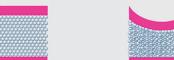




The innovative Vacuform® 2.0 MicroSpace System



MicroSpace filling in the evacuated state



Arrangement of the Vacuform®2.0 MicroSpace balls without vacuum



Vacuform®2.0 MicroSpace balls under vacuum



the evacuated state

conventional styrofoam balls without vacuum

- Further optimized pressure relief
- "Weightless" feeling (like a waterbed) despitestable immobilization
- Surface nearly untextured

The secret of perfected adaptation to the body by Vacuform® 2.0 surgical mattresses is microballs of styrofoam, which are stabilized by vacuum to give a lasting, completely supportive form. Only Vacuform® 2.0 contains since many years about the well proven and unique Micro-Space System an increases the feeling of physical comfort for the patient significantly compared to conventional fillings.

Reducing the diameter of the filler balls by a fifth enables significantly more precise adaptation of the surgical mattresses to the body.

Safety on the operating table

- No slippage on the surgery table
- Safe immobilization
- Extreme surgery table inclination possible
- Fast, simple handling

The patient can be immobilized quickly and securely in any desired position. This gives the surgeon optimal access to the operation area and allows safe handling of the patient. Even the most extreme tilting of the surgery table does not change the defined position of the patient. The surgical positioning can be corrected at any time by relieving the vacuum, forming the surgical mattress to the new position of the patient and then evacuating the air again. Moreover, Vacuform® 2.0 surgical mattresses enable transport between hospitals in a defined surgical position.

Examples of Vacuform® 2.0 indications:

- · Side position
- · Semi-lateral position
- · Supine position
- · Seated / half-seated position
- · Screw position
- · Lithotomy position
- · Laparoscopic positions
- · Inter-clinical transport





- * PUR = Polyurethane foil (biocompatible)
- ** Ask us for detailed measuring values to the edition pressure measurement

MICROSPACE



Cost reduction with Vacuform[®] 2.0

- Prevention of sequelae
- Saves additional materials
- Long reusability
- Covers a wide range of surgeries
- Intra-operative illumination possible

through fast, simple handling, prevention constant use. of sequelae such as decubitus and paresis,

Vacuform® 2.0 contributes to efficiency saving of additional materials, fast and leads to **considerable cost reduction** cleaning and long reusability even with

The University Hospital Inselspital in Berne regarding the experience with Vacuform® surgical mattresses:

"The many years of work with the vacuum mattress have given us many advantages with respect to patient safety, quality of the individual positions, simplified handling, time savings and cost reduction by saving of additional bedding material. Once could maintain that the number of sequelae such as decubitus and paresis have decreased to insignificance with the use of Vacuform® surgical mattresses."

Pressure measurement:

The main reason for the occurrence of underlying disease, state of health, age, support pressuring values under equal pressure how long acting on the body, pact! time specifications is not possible, as the pink Vacuform® 2.0 pointed out optimized

without causing damage is very different. The support pressure measuring between To provide generally binding pressure and the actual green Vacuform® and the new

decubitus is the coaction of pressure, etc. have an influence. But fact is: less sup-conditions and same period. The specialirespectively shearing and time. How much port pressure allows a longer pressure im- zed vacuum system Siliplus, developed for mayor surgery's, shows the best value.

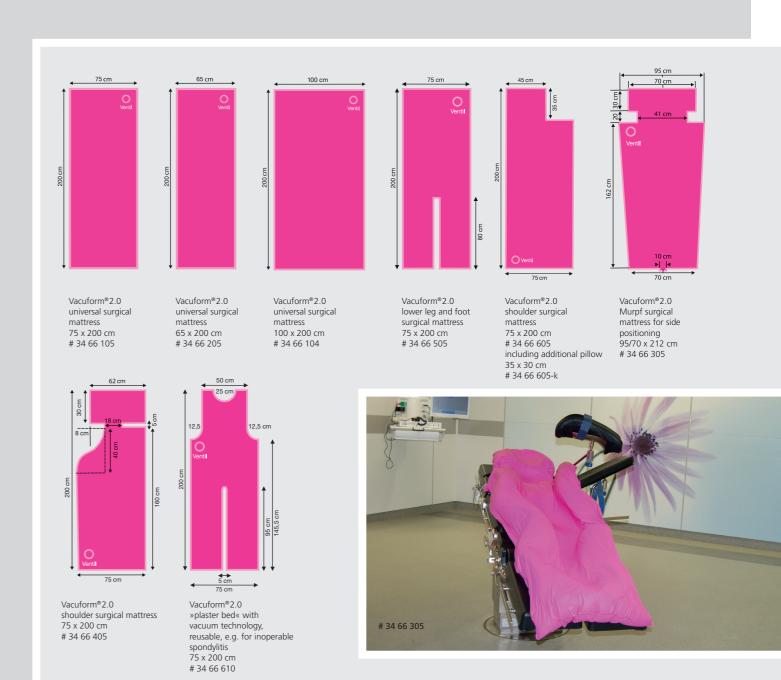


The expanded Vacuform® 2.0 selection of surgical mattresses

- Expanded standard selection
- Models for obese patients
- Custom product production

For all interventions requiring special surgical mattresses for obese patients as for the indication. The **new, expanded** any **special size** you require. Vacuform® 2.0 product line includes

positioning for surgery, the Vacuform® 2.0 well as a vacuum mattress as a contempoproduct line offers surgical mattresses rary alternative to a plaster bed. to satisfy all the relevant requirements Furthermore, we are able to make nearly



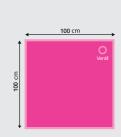




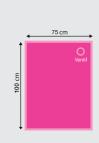


VACUFORM® 2.0

Vacuform®2.0 short surgical mattress · 75 x 125 cm # 34 65 205 · 100 x 125 cm #34 66 008



short surgical mattress 100 x 100 cm # 34 66 005



short surgical mattress 75 x 100 cm # 34 65 005



short surgical mattress with cutout · 75 x 100 cm # 34 65 105 75 x 125 cm # 34 65 305 100 x 100 cm

34 66 006

100 x 125 cm #34 66 009

Vacuform®2.0

short Murpf surgical mattress with cutout e.g. for hip surgery in side position 95/80 x 105 cm # 34 66 007

products helps you achieve almost any position and positioning for patients.

the partial positioning of arms and legs, application many times over. positioning the head or positioning of small children and babies.

The comprehensive offering of VACUFORM The use as a simple pad or for general decubitus prophylaxis is also possible. The partial or whole fixed positioning during The cushions can be used universally for a CT, MRI or X-ray extends the field of

Vacuform® 2.0 surgical cushions

Vacuform®2.0 surgical cushion 60 x 80 cm



Vacuform®2.0 surgical cushion 40 x 70 cm

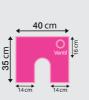




Vacuform®2.0 surgical cushion 30 x 70 cm



Vacuform®2.0 surgical cushion 30 x 40 cm



Vacuform®2.0 surgical neck cushion 40 x 35 cm # 34 67 005

Other surgical cushion: head-triangular cushion # 34 64 705 image page 9

Vacuum mattress for laparoscopic sigma resection

- A special positioning of the patient is needed for a laparoscopic sigma resection.
- Available in two sizes:

Size: 75/100 x 125 cm with section

and

Size: 75/118 x 125 cm with section

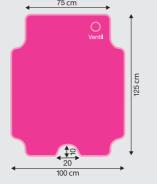
The shape of this newly developed mattress in the VACUFORM 2.0 product series enables the positioning of the mattress is equipped with a slip-proof spepatient in a lithotomy position with elongated arms and an **extremely low** position of the head. For this purpose, resection, a non-slip film should additiothe mattress has a widening from the height of the shoulders to the hands. They can be shaped at the shoulders so that
This widening is not necessary for a peradjustment in the area of the shoulders section in the lower area.

here prevents paresis (paralysis) and **nerve damage**. The underside of the cial coating. In this extreme Trendelenburg position during a laparoscopic sigma nally be positioned between the vacuum mattress and the operating table.

the patient can be held in this position fect positioning of the head and pelvis. without shoulder support. The individual The mattress is also equipped with a



Trendelenburg/SigmaLap Position



Vacuform@2.0 kurze OP-Matratze mit Ausschnitt 75/100 x 125 cm breitere Ausführung 75/118 x 125 cm mit Ausschnitt # 34 65 316







Vacuform[®] 2.0 Siliplus – the optimised OR-Vacuummatress

- Further improved pressure release
- Accurately fitting and efficient

optimised vacuum mattress from the while operations, e. g. in the oncological the security of the patient on the OP Vacuform® 2.0 series. A system that is surgery, which can last sometimes longer table also with extreme table inclinations, essential in the Operation Theatre for than 20 hours, is this important to gua-cost reduction by saving of time with many years.

Vacuform® 2.0 Siliplus is a compound firmly connected with a vacuum cushion. ranty an optimum pressure release.

system with which a silicone gel mat is With Vacuform® 2.0 Siliplus a vacuum mattress which owns this determining

Because of the combination and the perquality is now available. At the same manent compound of both components, time all the other advantages are ■ Especially for long term operations which are already used as independent preserved with a patient positioning products in the OP, the pressure release with Vacuform® 2.0 mattresses or Vacuform® 2.0 Siliplus is a new, further becomes improved extensive. Especially Vacuform® 2.0 cushions. This are mainly positioning and cleaning, X-ray porosity, MRI- and CT suitability and many more.

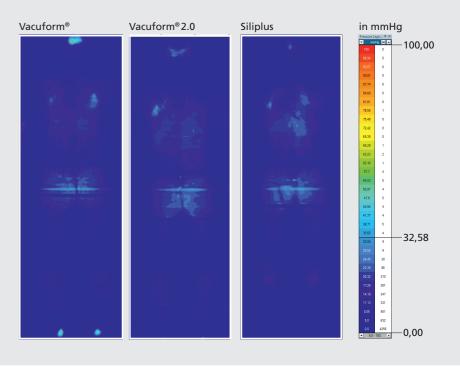


New production techniques enable us to manufacture our entire standard range with an integrated silicone pad, such as our Sigma-Lap mattress.



Pressure measurement:

Ask us for detailed measuring values to the edition pressure measurement. The measurements became in cooperation with the EMPA (Swiss) and Compliant Concept.



Vacuform[®] 2.0 Siliplus – with integrated silicone pad

■ Available in transparent





Vacuform@2.0 Siliplus with integrated silicone pad



Vacuform@2.0 Siliplus with integrated silicone pad transparent # 37 065 205



Vacuform@2.0 Siliplus with integrated silicone pad 75 x 200 cm transparent # 37 066 105

The Vacuform® 2.0 triangle head pillow

be ideally adjusted to the head using the head pillow.

The pillow is particularly suitable for all surgical positions in the supine position and makes this position noticeably more comfortable. The pillow can be placed and adjusted individually or in an existing position under the head.

This specially developed head pillow can It is also recommended to use it as a head pillow during operations in the dentist's Vacuform 2.0 principle. The valve for chair, as the patient feels more comfortsuction is located on the upper side of the able in a comfortable position with optimally supported head and is therefore

> The head triangle pillow is X-ray permeable and suitable for CT and MRI

> Vacuform® 2.0 head-triangular cushion leg length ca. 40 x 40 x 50 cm # 34 64 705







Vacuform® 2.0 QuickForm – with 6 chamber system

there must be the possibility to be able to reposition the vacuum mattress so that it creates the optimal individual position for <a>Preparation that saves time and every patient.

Due to this, a fixed position of the filling <a> Unrestricted use of all advantages through a multiple chamber system in the vacuum mattress is not always recommended. There are however surgeries that do not last long and during these, the patient for example will be positioned in a simple supine position. Here it will often suffice due to the short duration of the surgery to forego the use of the vacuum mattress, although this will be more comfortable for the patient in any case. Even brief surgeries can cause a bad physical condition in patients (cachectic) in Decubitus.

It has been proven time and again that Advantages of the 6 chamber mattress:

- Immediate readiness. The filling is optimally spaced.
- of VACUFORM 2.0: optimal adjustment, decubitus prophylaxis, safety, heat storage, prevents nerve damage, optimal access to the operation area etc.



Vacuform® 2.0 surgical equipment



Vacuum hand pumps

In case there is no vacuum system in the operating room, we offer a selection of easy-to-use vacuum hand pumps for all Vacuform® 2.0 products:

Plastic vacuum pump Length 45 cm # 5370 Plastic vacuum pump with non-magnetic brass rod Length 45 cm # 5355

Carrying bag

silver, 80 x 100 cm, suitable for all sizes # 34 66 800

Repair kit

For damages up to max. 5 cm we recommend this repair kit with the enclosed pieces of foil and glue.

34 90 122

For the reparation of needle holes and Non-slip-sheet short cuts with max. 2 cm this repair kit 40 x 100 cm # 34 66 900 simple solution.

#34 90 123



Non-slip-sheeting and -mat

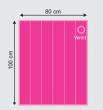
prevents slippage of the surgical mattress in extreme positions, such as during laparoscopic sigma resections. The sheeting is easy to clean and reusable

with the self-adhesive foil is a fast and Roll of non-slip for to take a short cut Roll 40 x 900 cm # 34 66 901

Non-slip-mat

25 x 35 cm # 34 66 906

Versions of a 6 chamber system: Vacuform[®] 2.0 QuickForm



Vacuform@2.0 QuickForm · 80 x 100 cm # 34 365 005 · 100 x 125 cm



QuickForm with cutout · 80 x 100 cm # 34 365 105



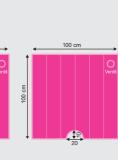
Vacuform@2.0







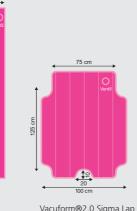
Vacuform@2.0 QuickForm 100 x 100 cm # 34 366 005



Vacuform@2.0 QuickForm 100 x 100 cm with cutout # 34 366 006



QuickForm 80 x 200 cm # 34 366 105



Vacuform@2.0 Sigma Lap QuickForm with cutout 75/100 x 125 cm # 34 365 315

The Vacuform[®] 2.0 surgical sheet

equipped with 8 handles for turning and repositioning the patient. Its outstanding features include high durability, silky comfort and a long service life. The material consists of three layers:

- 1. A soft velour surface.
- 2. A extremely absorbent Triton™ layer able to handle up to 1.25 liters of liquid per m².
- The Vacuform® 2.0 surgical sheet is 3. A layer impermeable to liquid to protect the surgical mattress and operating table. The composition of the fibers used effectively prevents rewetting, so the Vacuform® 2.0 surgical sheet essentially always feels dry.

Vacuform®2.0 surgical sheet

80 x 220 cm # 34 70 000





Plastic products for health and emergency services

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Since 1961, B. u. W. Schmidt GmbH in Garbsen near Hanover has produced precision products made of high-frequency welded flat sheets for the health and emergency services sector. Faultless quality and workmanship, easy handling and rugged materials are the basis for the uncompromising safety of our products.

Our service ensures short delivery times and fast repairs in our factory. The quality management system of B.u.W. Schmidt GmbH is EN ISO certified. All equipment complies with the German Medical Device Act (MPG) and bears the CE mark.

If you cannot find the desired items or dimensions in this brochure, please contact us regarding custom production. Our computer-aided production system enables us to make equipment to meet your individual requirements in all sizes up to 150 x 250 cm.