

ESSENTIALLY BETTER



Vertica clinic

Early mobilisation in a hospital bed



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Reclining



Protection and comfort

- The bed's lying position satisfies all the requirements of a modern hospital bed
- MultiFlex ⅓ safety side
- Height adjustment range 42 - 83 cm

Sitting



Health benefits

- Backrest and lower leg rest adjustments to 90°
- Activates supporting muscles
- Prevents thrombosis, pressure ulcers and pulmonary aspiration

Standing up



Safe mobilisation

- Sitting and standing-up positions can be set on a separate nurses' handset
- Mobilisation aids with handles at the sides
- Easy transfer to transport chairs



Vertica clinic

Mobility for better quality of life

One factor is particularly important for successful recovery: The patient must **sit up and stand up** again as early as possible. Bed rest can sap the body's strength. For every day that a patient spends in bed, it takes 3 days of exercise and training to regain the former energy level. The Vertica clinic from Stieglmeyer is a mobilisation bed that provides ideal support for patients and nursing staff.

Being bedridden often goes hand in hand with a fear of falls and painful movements. The Vertica clinic dispels these worries by imitating the natural flowing movements of the body and bringing patients gradually into an upright sitting position. This boosts confidence and encourages the patient to stand up and venture the first few steps. It also makes it much easier for patients to transfer from the bed to a transport chair or wheelchair.

The Vertica clinic is equally ideal for relieving the strain on nursing staff. Strenuous mobilisation of the patient via the side of the bed is no longer necessary, thus avoiding the incidence of back and joint strain. The **quality of life and motivation** of all those involved in everyday hospital life are considerably enhanced. Hospitals also benefit financially from this improvement, since the cost of absences from work and staff treatment are dispensed with from the outset.

As a result, many patients have a reduced length of stay, which enhances the hospital's reputation and so attracts new patients. The Vertica clinic provides so many benefits that it **pays for itself** very quickly.



▲ Sitting and standing positions are controlled with a separate handset.



▲ Optional footrests provide a secure hold for the patient.

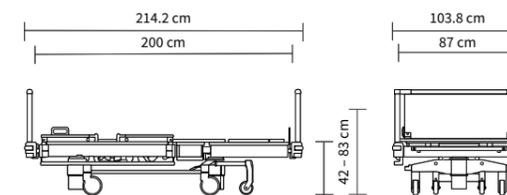


▲ The patient can be brought to an upright position gently and with little effort.



▲ Mobilisation from a standing position is considerably easier for the nursing staff.

External dimensions/height adjustment range:



Mobilisation 	Sitting position 2 x 90° 	Bed extension 	Manoeuvrability 	High safe working load 225 kg 	Large height adjustment range 42 to 83 cm 	Trendelenburg position 	German engineering design
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Early mobilisation

For improved long-term health

The beneficial impact of early mobilisation has been scientifically proven in numerous trials. Patients can often be discharged earlier and also enjoy **better long-term health** if they have been mobilised during their stay in the hospital's intensive or normal care unit.

The reduction in patients' length of stay is considerable. In a trial by Peter E. Morris and colleagues, mobilised test persons left the intensive care unit almost **one and a half days earlier** than the non-mobilised comparison group (5.5 days instead of 6.9 days). Overall, their hospital stay was reduced by more than 3 days (11.2 compared to 14.5 days).

Further trials show that the use of **sedatives and painkillers** can be significantly **reduced** by early mobilisation. Dale M. Needham and colleagues found that the dosage of benzodiazepines and morphines fell by up to two-thirds through increased mobilisation and higher quality of care in the intensive care unit.

These beneficial effects add up to a considerably improved quality of life. They help hospitals to **relieve the pressure on their budget**. If a day spent in intensive care is costed at a mere €1,200, the price of purchasing a Vertica clinic can be recovered potentially after only 2 or 3 patients.



▲ With the Vertica clinic, the mobilisation process is geared entirely to the patient's needs.



▲ The optional multifunctional footrest can be simply removed or used as a table.



▲ The important contact made by the feet heightens patients' perception of themselves.



▲ Eating in an upright position becomes possible again.

ESSENTIALLY BETTER Advantages at a glance

- Improved state of patients' health
- Fewer sedatives and painkillers
- Shorter length of stay
- Cost savings for hospitals



▲ By sitting up to eat meals and talk to other people the patient regains a feeling of self-reliance and equality. This also increases the patient's psychological well-being.



Genuine sitting position

Sitting position

Participating in everyday life again

The beneficial ergonomic sitting position afforded by the Vertica clinic significantly outstrips the possibilities offered by conventional hospital beds. The ability to adjust both the backrest and the lower leg rest to a virtually genuine 90 degree sitting position offers numerous health benefits and allows patients to engage with others at eye level again during everyday life.

Eating and drinking are considerably easier in an upright position. It also lessens pulmonary aspiration and the associated risk of contracting pneumonia.

The Vertica clinic promotes a healthy posture. Patients sit on their ischium instead of resting their weight on their tailbone in a semi-recumbent position. This prevents pain and effectively eliminates the risk of pressure ulcers forming. The upright sitting position activates the postural muscles that are used for stabilising the body. Since the patient's weight is not resting on the motor muscles, these muscles can be freely used. Rather than tensing up, the patient is able to move freely, such as while eating and reading. The patient is encouraged to engage in physical activity. Even patients in a persistent vegetative state or with spinal paralysis benefit from the familiar natural movement of the bed.



Mobilisation using the foot end of the bed also saves room in confined spaces.

Space-saving mobilisation

Relieving the strain on nursing staff

is a motivating factor in the daily care routine

The Vertica clinic considerably **reduces the physical strain** on nursing staff and frees up time for other things, such as talking to patients. Even experienced nursing staff can reach their limits when it comes to mobilising heavy persons to sit up on the side of the bed. In the long term, this can lead to back injury, illness-related absences and high treatment costs. The Vertica clinic solves these problems. The sitting up process is completely taken care of by the bed. The Vertica clinic can also be used as a conventional hospital bed.

The sitting and standing up function of the bed is activated with a **single touch of a button** on a nurses' handset. It also prevents the patient from inadvertently activating the standing up procedure on the patient handset used for making normal adjustments. Adjustment functions include the wide height setting range of the bed from about 42 to 83 centimetres. This allows staff to work at an ergonomic waist level.

The Vertica clinic not only mobilises the patient but is extremely agile due to its shorter wheelbase, which makes it effortless to manoeuvre into position in even the smallest of spaces.



▲ This leaves nurses more time to devote to the patient in the hectic daily hospital routine.



▲ Brief help from a nurse or care staff is only needed when it comes to getting up or transferring the patient to a transport chair.

ESSENTIALLY BETTER Advantages at a glance

- No second person needed to help the patient sit up
- Back-friendly working
- Easy to operate
- Space-saving mobilisation using the foot end of the bed

Comfort

in the elective service unit

The Vertica clinic stands for high comfort and a perceptible improvement in the quality of life. These strengths are also appreciable in elective care units, where additional services are offered. The upright sitting position allows patients to quickly experience **the enjoyable sides of life** that they are accustomed to. When the footboard is used as a tray, the Vertica clinic is transformed in next to no time into a convenient **place to eat, relax and work**.

The large selection of **colours and wood decors** allows the Vertica clinic to adapt to a wide range of furnishing styles. The spectrum ranges from dark to light-coloured wood tones, and from calming blue and grey to cheerful golden yellow. The bed's stylish contemporary look enhances any room. Hospitals benefit from this **increased attractiveness** by discharging satisfied patients who attract more and more people to the hospital through their recommendation.

Interaction at eye level with other people



Enjoying conversations at eye level with visitors is a pleasure and speeds up recovery.



With the bed in the sitting position, patients can watch TV in a relaxed manner.

▼ The optional integrated table makes it very convenient to surf the Internet on a laptop.



▼ In its flat horizontal position, the Vertica clinic satisfies all the requirements of an ultra-modern hospital bed.





- ▲ Optional footrests promote mobilisation.
- ◀ The ergonomic handles provide a firm hold when standing up.
- ▼ The nurses' handset (top) and main handset (bottom) are kept within reach on the safety side.



- ▲ The optional footboard provides improved comfort and can be used as a table or linen holder. ▲

Mobilisation explained

Adjusting the bed to a sitting position requires only the touch of a button on a **staff handset**. With its easy-to-understand pictograms, the **main handset** for normal bed adjustments can be used even by patients with restricted capabilities. The raisable mobilisation supports have **practical handles that can be swung out of the way**. They provide support for the patient when standing up. Optional side support cushions provide extra stability in the sitting position. The optional **footrests** activate the proprioceptors in patients' muscles and joints and give them reliable feedback on their location within the room. The footrests are easy to attach and can simply be stowed away under the backrest.



Accessories and equipment details

With high-quality accessories from Stiegmeyer, the Vertica clinic can be adapted even more closely to individual requirements. The **footboard**, which also serves as a fold-down table and linen holder, can be adjusted in a few easy steps. **Footrests** promote mobilisation by providing additional support and give the patient a safe, reassuring feeling when sitting upright.

The mattress is precisely tailored to the mattress base adjustment options and is designed to **prevent pressure ulcers**.



- ▲ The tailor-made viscoelastic cold foam mattress supports pressure ulcer prevention.



- ▲ Optional footrests promote the patient's spatial and body awareness.

- ▲ When they are not needed, footrests can be stowed away under the backrest.



- ▲ Tall patients enjoy the extra 15 cm of space afforded by the bed extension with its perfectly sized mattress piece.

- ▲ It is also possible to equip the bed with standard sliding rails under the backrest and at the head end. They provide ample room for patient care accessories.

Equipment and options

Vertica clinic	
Mattress base	
Polypropylene hygiene mattress base for belt systems	✓
Bed extension 15 cm	✓
External bed width dimensions	
External bed width dimensions 103.8 cm, mattress 87 cm	✓
Headboards and footboards	
Completely removable	✓
Available in a range of colours and decors	✓
Footboard can serve as a table	✓
Base colours	
Argentum similar to RAL 9006	✓
Decontamination, degree of protection	
Manual reprocessing, IPX6	✓
Wall deflection rollers	
4 wall deflection rollers (standard, all sides)	✓
Castors	
Integral castor Ø 150 mm	✓
Conductive castor coating	
1 castor (directional wheel)	✓
2 castors (including directional wheel)	0
4 castors	0
Brake pedal	
2 x die cast, chrome-plated	✓
Safety side	
Multi Flex ⅔ safety side	✓
Rechargeable battery	
Battery (not for sit-up and stand-up function)	✓
Battery pack with charge indicator	✓
Electronic features	
Handset with locking function	✓
Nurses' handset	✓
Under bed light	0
Brake signal	✓
Additional features	
Parking position for footrest (14 cm)	✓
Control unit cover	✓
Edge protection integrated into the safety sides	✓
Supply rail with sliding adaptor sleeves	✓
2 internal sleeves at the head end for patient lifting poles or infusion stands	✓
Accessories	
Footrests	0
Specially-designed mattress with cut-out sections	0
Side support cushions for stabilisation and as armrests	0
Extension piece including mattress piece for extending the mattress base	0

Technical data

Vertica clinic	
Dimensions and weights	
Overall dimensions	103.8 x 214.2 cm
Mattress base (mattress dimensions)	87 x 200 cm
Mattress base division (back/seat/thigh/lower leg)	83.3/20.6/43.5/49.3 cm
Length compensation for backrest (will be reduced further for sitting and standing position)	approx. 10 cm
Safe working load	225 kg
Maximum weight of patient	185-210 kg
Ground clearance	approx. 16.5 cm
Total weight	approx. 175 kg
Protection height of safety sides	approx. 41.5 cm
Adjustment ranges	
Tilting to Trendelenburg position	approx. 16°
Tilting to reverse-Trendelenburg position	approx. 16°
Mattress base height adjustment range	42 – 83 cm
Time taken for motorised height adjustment	approx. 30 sec.
Backrest angle	to approx. 70° to approx. 85° in the stand-up function, including CPR release on both sides
Thigh rest angle	to approx. 30°
Fowler position	to approx. 15°



Decors





Custodians of values
Shapers of the future



STIEGELMEYERGROUP

Custodians of values

Our company was founded in Herford in 1900 and is still a family-run enterprise today. Respect and a sense of responsibility towards our customers, employees and partners form the basis for our day-to-day work. Based on these values and our many years of experience, we offer our customers all over the world high-quality products, solutions and services to meet the needs of the care and healthcare sectors.

Shapers of the future

In order to cope with rapid changes in the care and healthcare sectors, we develop all our products ourselves. Creating innovations and visions of what care will be like in future are the goals we pursue. We maintain regular contact with our customers in order to support them in their daily tasks. Implementing tomorrow's trends today is a successful tradition of ours.

Our expertise

- Hospital
- Nursing home
- Homecare
- Lifestyle beds
- Furniture systems
- Service

The Stieglmeyer-Group is your international partner for hospitals and care facilities and, with the Burmeier brand, also for caring in the home. We support our customers with practice-oriented products, solutions and services that we are constantly developing further.

- Founded in 1900 and still family managed
- Over 1,100 employees worldwide
- All core products manufactured in proprietary factories
- Product development and production in Germany
- Service, training and process optimisation at customer's premises
- International certification and export to more than 60 countries
- Distribution companies located in Belgium, Finland, France, Netherlands, Poland and South Africa

Our brands





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