

Lying surface systems for hospital and healthcare beds



We've thought of simply everything

The clever combination puts this bed into a league of its own.

Völker's lying surface systems comprise three elements: a 4-section frame, one of three different lying surfaces and a range of high-quality mattresses. All elements have been coordinated with one another perfectly. Used together, they enable patients to lie comfortably, promote their well-being and comply with the strict hygiene standards required within hospitals and healthcare facilities. Like all Völker products, all of our lying surface systems are manufactured to the highest quality specifications.

The cleverly designed structure of the MiS®, Stream and HP lying surfaces is based on the same frame, making it compatible with all Völker beds and easily exchangeable. Our products are characterised by outstanding versatility and durability.

Three components, one system:

- ✓ 4-section frame.
- ✓ Three different lying surfaces to choose from: MiS®, Stream and HPL.
- ✓ A portfolio of mattresses coordinated with Völker beds.

Support and comfort in any position

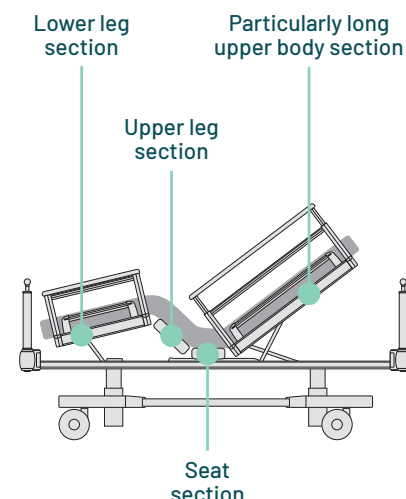
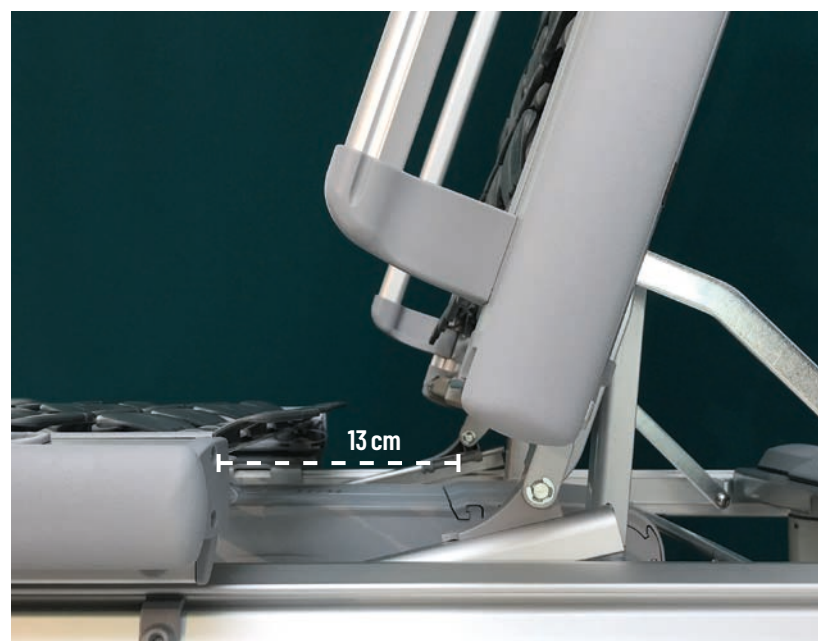
Individually adjustable, with a particularly long upper body section.

Our MiS®, Stream and HPL lying surfaces are each composed of four separate sections, which are all fully and independently adjustable. This provides patients and residents with a high level of comfort and the ability to alter the position of the bed to suit their individual needs. Changing the angle between the seat section and upper body section helps relieve pressure in the pelvic region and enables the patient's legs to be raised easily.

A further benefit to support the patients' well-being is the particularly long upper body section. This feature ensures permanent ergonomic support for the patient's or resident's back, neck and head – both when sitting up and lying down. To ensure that you get the maximum benefit from all the lying surface features, we recommend combining our lying surface systems with specially adapted Völker mattresses.

Sitting with reduced pressure, thanks to the 4-section frame.

When the bed is brought into a sitting position, the dynamic upper body section also moves backwards, increasing the angle between the seat section and upper body section. The large seat area relieves the pressure on the pelvic area and allows the patient to sit more comfortably.



The 4-section frame and the particularly long upper body section have been designed with patients' individual needs in mind.



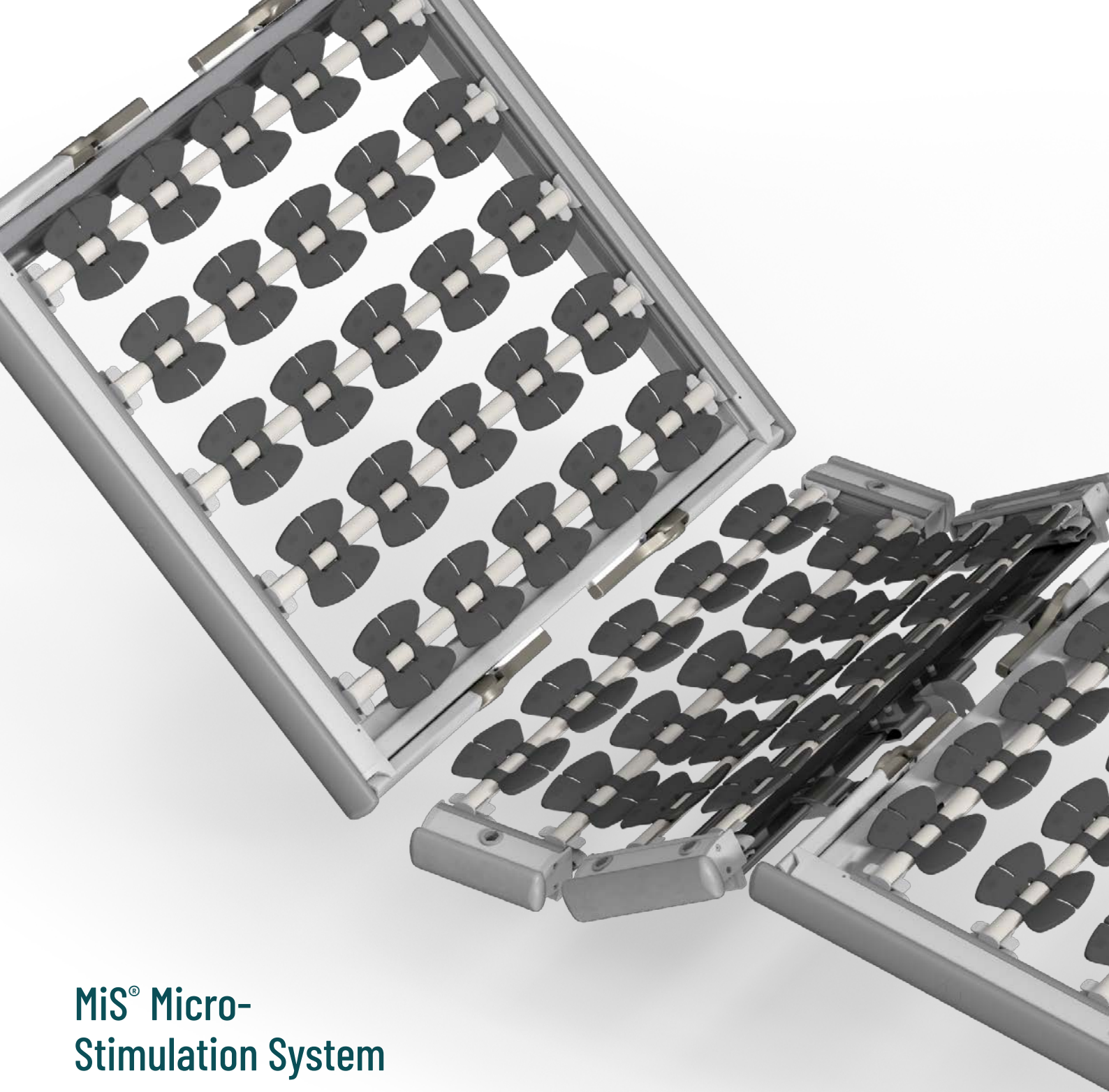
Conventional lying surface with static adjustment, restricting the space in the pelvic area.



Völker lying surface with dynamic adjustment, with upper body section opening up to the back and top to create more room in the pelvic area.



This results in the patient being seated safely with evenly distributed weight reducing pressure.



MiS® Micro-Stimulation System

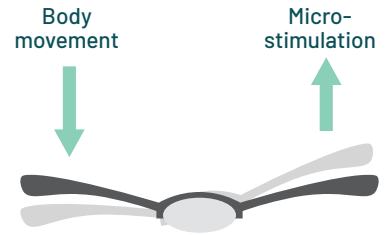
Optimum comfort in any recumbent position.

The micro-stimulation system MiS® is patented technology based on neuroscientific principles and revolves around a simple, yet clever idea. The MiS® picks up even the slightest movements of the bed's occupant, transforms these into tactile stimuli from the lying surface and transmits them through the mattress and back to the occupant. The experience of recent years have shown that a feedback loop can improve awareness of the body. It also improves the quality of sleep and comfort. Combined with the suitable mattress, the MiS® may also reduce the risk of bedsores.¹

Benefits at a glance:

- ✓ Transforms body movements into tactile stimuli and transmits these back to the patient.
- ✓ Compatible with Sensify Assistance Systems.
- ✓ Available for all dimensions and models of Völker beds.

Tactile stimuli are transmitted back to the patient even with minimum, barely perceptible movement of the body, resulting in continuous feedback and micro-stimulation.



Each pair of plastic wings is mounted on a fibreglass rod, which absorbs the torsional forces and transmits them back to the body as stimuli.



The Völker mattress portfolio has been specially designed to support the functionality of the MiS® lying surface.



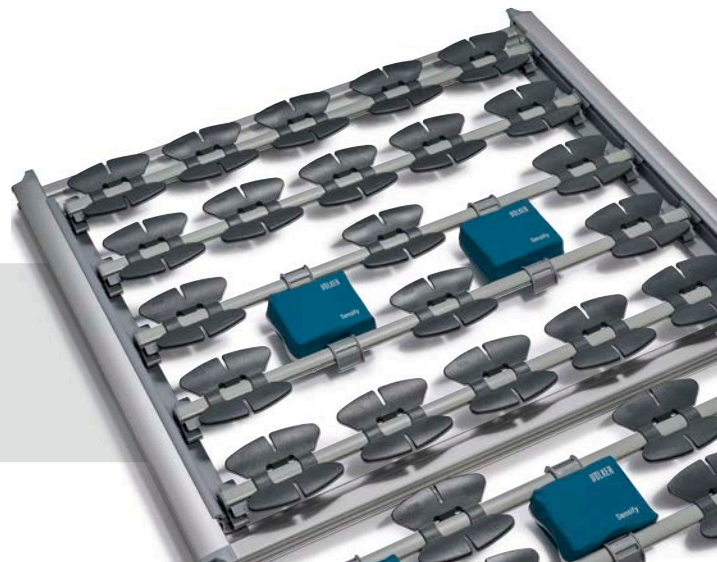
Integration of Sensify Assistance Systems.

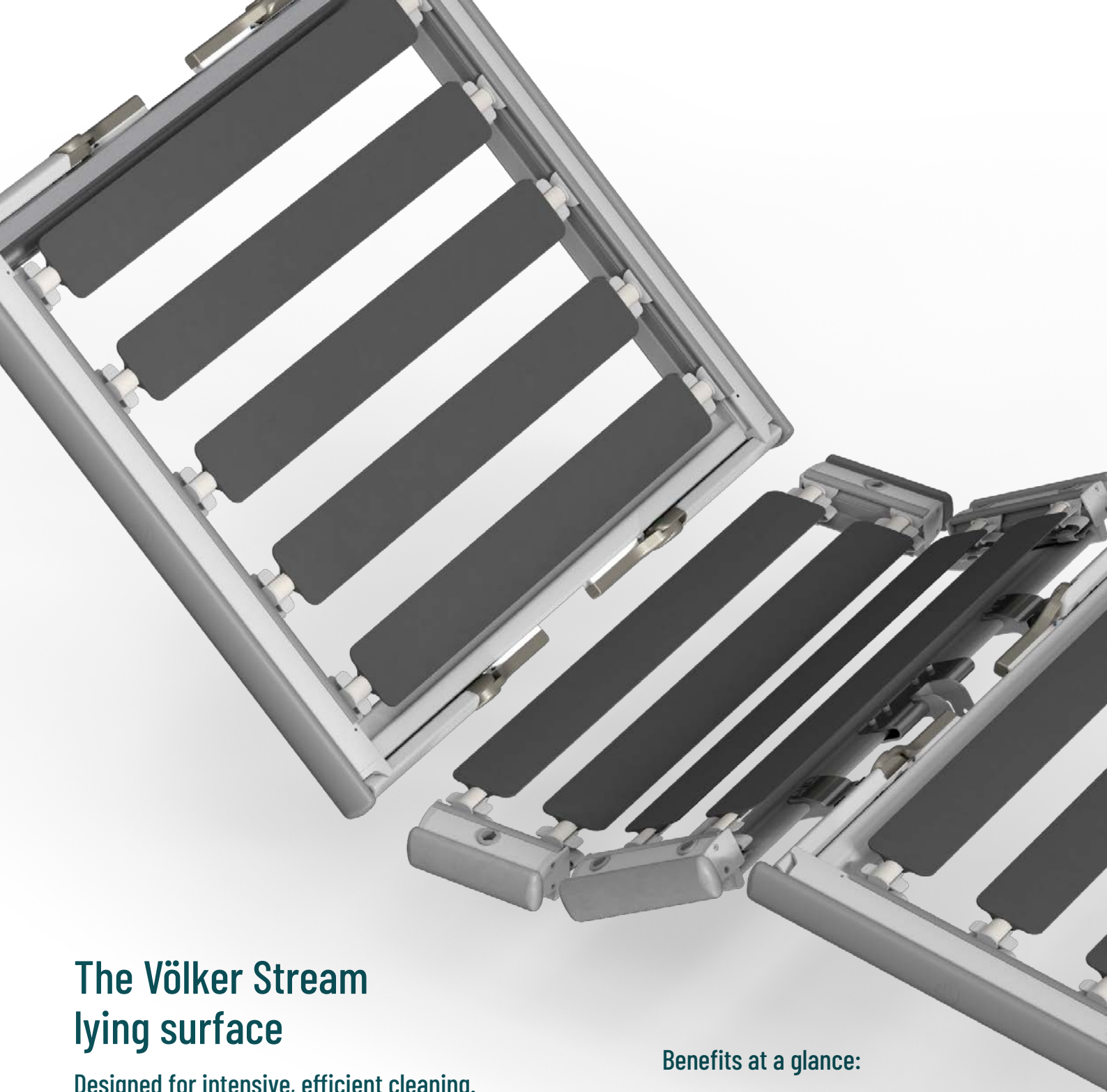
Improve safety for your patients, residents and care staff. The simple integration of Völker sensor technology in the MiS® increases the safety features of your lying surfaces, e.g. Sensify Assistance Systems such as the bed alarm system. No cables, no batteries, no maintenance.



You can read more about Völker Sensify Assistance Systems on our website.

voelker.de





The Völker Stream lying surface

Designed for intensive, efficient cleaning.

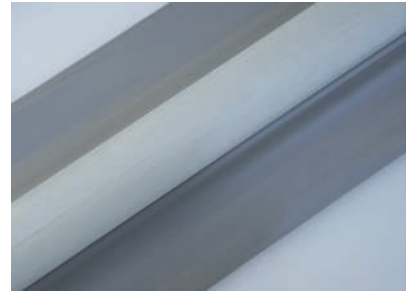
The Stream lying surface is the perfect solution in situations that demand intensive cleaning. This is where the Stream comes into its own. The twelve smooth slats can be cleaned quickly and easily by hand, just like the fibreglass rods that are underneath them. The result? Cleaning made easy by the clever design.

The materials have also been specifically selected. The slats of the Stream lying surface are made from high-quality fibreglass-reinforced plastic, making them extremely durable. What's more, the slats also ensure patient comfort by cushioning movements and having a shock-absorbing effect.

Benefits at a glance:

- ✓ Designed for intensive cleaning by hand.
- ✓ Outstanding sturdiness and exceptional durability due to high-quality materials.
- ✓ High level of comfort due to cushioning characteristics.

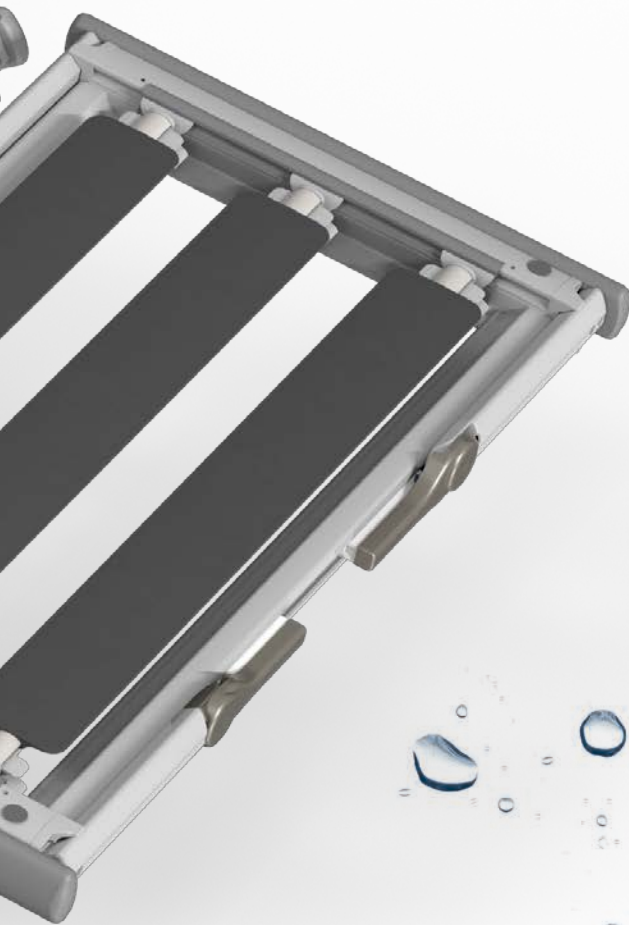
Robust, smooth slats with fully interlocking connections enable strict hygiene standards to be met.



Every single slat is designed to have a shock-absorbing effect and ensure the patient's comfort.



The Stream lying surface has been designed for efficient cleaning by hand.



The Völker HPL lying surface

Stability that you can rely on.

The HPL lying surface has been renowned as particularly robust for a good number of years. It is compatible with the same frames as the MiS® and Stream models. Round holes in the surface ensure good aeration.



The perfect mattress for everyone's needs and all lying surfaces

The Völker mattress portfolio contains five models, all made exclusively from high-quality materials and manufactured to the highest quality standards. Choose the mattress that best corresponds to your needs. All mattresses are designed for use with Völker lying surfaces and adjust effortlessly whenever the position

of the bed is changed. They not only provide patients and residents with the best quality of sleep and maximum comfort in a recumbent position, but also comply with all hygiene standards required within hospitals and healthcare facilities.

The all-in-one hygiene concept

The Comfort 2000 also comes in a Shield version, with optimised hygienic properties.

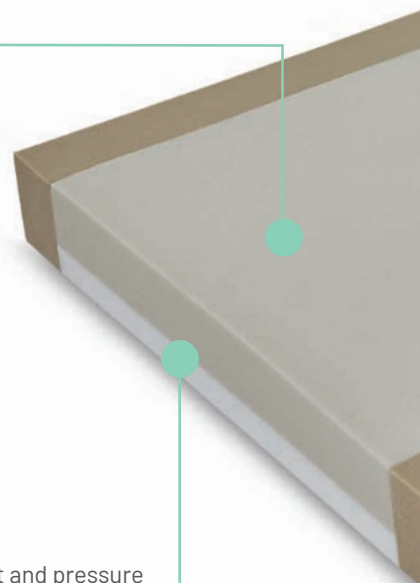
- ✓ Hygienic virus- and bacteria-proof cover with anti-bacterial features
- ✓ Cover can be washed, dry-cleaned or steam-sterilised in an autoclave
- ✓ Waterproof zip and sealed seams



Heel and ankle support thanks to a special pressure-relief zone in the heel area.



Freedom of movement and pressure relief thanks to the double layer of highly elastic HR cold foam.



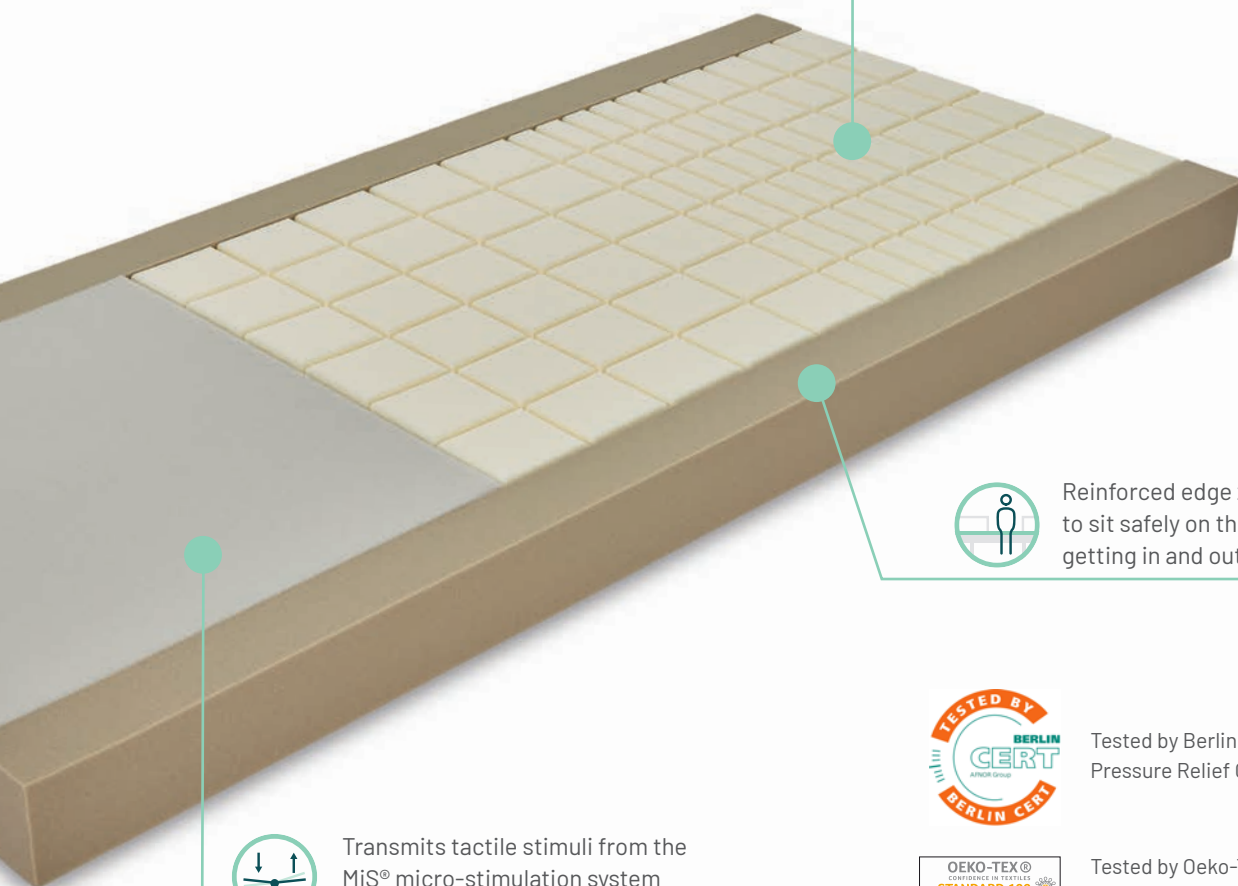


Völker Comfort 2000

**Adapts to the body and
reduces contact pressure.**



Less build-up of moisture due to the use of individual cubes, which encourages air to circulate.



Transmits tactile stimuli from the MiS® micro-stimulation system back to the patient.



Reinforced edge zone enables patients to sit safely on the edge and makes getting in and out of bed easier.



Tested by Berlin Cert, classified as Pressure Relief Class 'D'.



Tested by Oeko-Tex and certified as 'Product Class I' (products suitable for babies).

Other mattresses and accessories in the Völker collection:

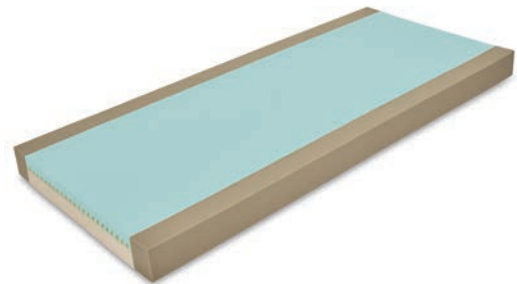
Völker Basic 1000

The highly elastic, single-layer HR cold foam mattress is reversible, holding its shape on both sides and providing the patient with both comfort and pressure relief. The use of high-quality foam optimally prevents the patient from sinking into the mattress and provides stability for use as a support.



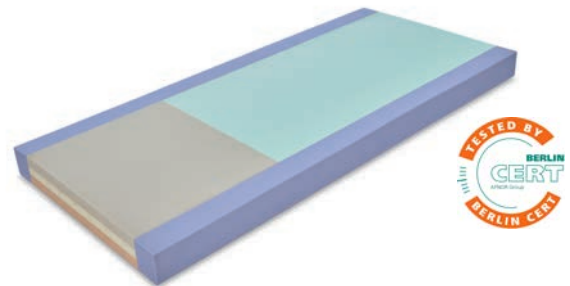
Völker Visco 3000

The highly elastic, two-layer HR cold foam mattress features a central zone made of special visco-elastic foam, which adapts to the shape of the body and relieves pressure. The well-reinforced edge zones prevent the patient from sinking into the mattress. The edge of the bed can also be used as a support.



Völker Pro-Visco 4000

The super-soft comfort zone provides gentle support for heels and ankles. The reinforced edge zone increases safety when getting in and out of the bed. The mattress is certified Pressure Relief Class 'H' by Berlin Cert.



Evacuation sheet

The anti-slip evacuation sheet for transporting your patients safely has been designed to fit all conventional mattresses. The sheet is equipped with tear-resistant safety belts that can be stowed easily away with velcro fasteners. It can also be treated with all conventional disinfectants and washed at a temperature of 95°C.





Mattress model

	Völker Basic 1000	Völker Comfort 2000	Völker Visco 3000	Völker Pro-Visco 4000
Composition and material	Single-layer HR cold foam	2-layer HR cold foam	2-layer HR cold foam	3-layer HR cold foam
Min. weight of patient	20 kg	20 kg	20 kg	20 kg
Max. weight of patient	195 kg	195 kg	195 kg	195 kg
Height*	12 cm	12 cm	12 cm	12 cm **
Width*	88 cm	88 cm	88 cm	88 cm
Length	200 cm	200 cm	200 cm	200 cm
Weight of mattress	9.6 kg	9.8 kg	9.8 kg	10 kg
Visco	-	-	✓	✓
Reversible	✓	-	-	-
Reinforced edge zone	-	✓	✓	✓
Width of edge-zone reinforcement	-	10 cm	10 cm	10 cm
Top layer density / compressive strength	40 kg/m³ / 4.0 kPa	Cube 50 kg/m³ / 3.0 kPa	Visco 50 kg/m³ / 1.5 kPa	Visco 50 kg/m³ / 1.5 kPa
Middle layer density / compressive strength	-	-	-	60 kg/m³ / 2.5 kPa
Bottom layer density / compressive strength	-	30 kg/m³ / 3.4 kPa	40 kg/m³ / 4.0 kPa	50 kg/m³ / 4.0 kPa
Heel zone density / compressive strength	-	Softline 50 kg/m³ / 1.5 kPa	-	Softline 50 kg/m³ / 1.5 kPa
Edge zone density / compressive strength	-	40 kg/m³ / 6.0 kPa	40 kg/m³ / 6.0 kPa	50 kg/m³ / 5.0 kPa
Pressure Relief Class 	-	D (certified by BerlinCert)	-	H (certified by BerlinCert)
X-ray permeable and latex-free	✓	✓	✓	✓
Flame resistant according to DIN EN 597-1/-2 ***	✓	✓	✓	✓
Core autoclavable up to 75°C	✓	✓	✓	✓
Hygiene-optimised Shield model	-	○	-	-

✓ Standard - Not available ○ Optional

* All mattresses are available in different widths and lengths to fit the dimensions of the lying surface.

** Also available with height = 14 cm

*** Also BS 7175 Crib 5+7



24/7

**ALWAYS
AVAILABLE**



**FOCUS
ON SERVICE**



**HIGH-QUALITY
MATERIALS**



**CERTIFIED
SUSTAINABILITY**

Head office

Völker GmbH
Wullener Feld 79
58454 Witten
Germany
+49 (0) 2302 960 960

Völker Schweiz GmbH
Moosstrasse 2
6003 Luzern
Switzerland
+41 (0) 44 563 1939

Völker Medizinprodukte GmbH
Kaufmannstraße 14
6020 Innsbruck
Austria
+43 (0) 1 205 8365

Voelker France SAS
27 Rue Maurice Flandin
69444 Lyon Cedex 03
France
+33 (0) 18 288 1530

Voelker Nederland B.V.
Laan 21
1741 EA Schagen
Netherlands
+31 (0) 20 808 1603

General enquiries
info@voelker.de
+49 (0) 2302 960 960

Sales / Service / Replacement parts
kundenservice@voelker.de
+49 (0) 2302 960 9630