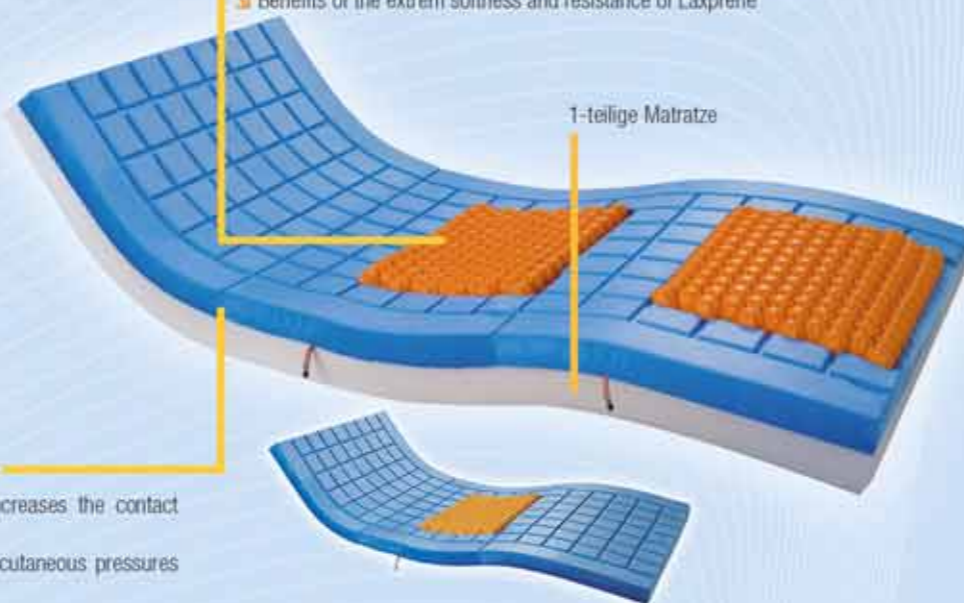


SYSTAM® associates that is the best in static support materials for the prevention and the treatment help of bedsores. This is the alliance of viscoelastic memory foam and air cells cushion. The Evolutive Concept distinguishes itself through its modular feature, which adapts to the patient needs. The SYSTAM® Evolutive Concept suit in particular for patient with very high risk or with progressive pathologies. SYSTAM® Evolutive-Concept is implemented in our range of Combiflex mattresses and overlays.

The POLYAIR® insert

- Increases in targeted areas the reduction of transcutaneous pressures,
- Reduces the maceration effects through air circulation between the cells,
- Benefits of the extrem softness and resistance of Laxprene



Moulded viscoelastic foam with memory effect:

- Precise moulding of the body shapes, that increases the contact surface with the supports,
- Better pressures distribution: reduction of transcutaneous pressures on areas at risk and improved blood circulation,
- Increased comfort and compliance,
- The skin effect of the moulding process constitutes a durable protection of the foam,
- Foam of very high density with very long durability.

A complete modular system, in particular adapted for progressive pathologies.

2 Moduls, available separately, allow to transform a COMBIFLEX® into COMBIFLEX®-AIR and COMBIFLEX®-AIR +AIR (also other way round) depending on the pathological evolution of the patient.



Manometer-gage delivered with the supports enables a precise, efficient and simple inflating of POLYAIR®-insert.



Thanks to a clever system, the POLYAIR® insert can be inflated without uncovering the supports.

INHALTSVERZEICHNIS

SYSTAM® mattresses - from prevention upto treatment help of bedsores

..... p.1

Focus on SYSTAM® P161M - VISCOFLEX®

..... p.2 & 3

SYSTAM® Evolutive Concept

..... p.4

Inside:

A poster of SYSTAM® supports for the prevention of pressure sores

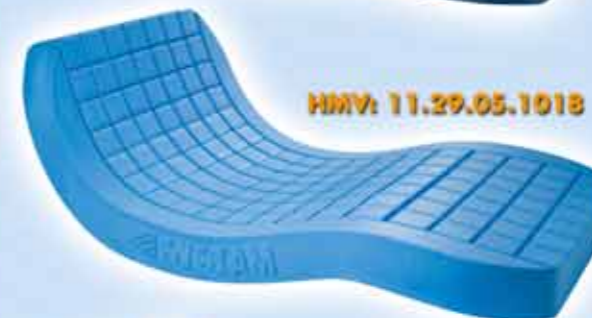
SYSTAM®
ZAE route de Casseneuil
47300 Villeneuve sur Lot
Tel.: +33 553 40 50 30
Fax: +33 553 40 50 40
E-mail : info@system.com

SYSTAM® MATTRESSES - FROM PREVENTION UPTO TREATMENT HELP OF BEDSORES

SYSTAM® offers a large range of mattresses designed for prevention and upto treatment help of bedsores. The SYSTAM® R & D together with the physiotherapists targeted the highest ratio "therapeutic efficiency / cost". Therapeutic efficiency includes the effectiveness of the equipments as well as the ease of implementation, the low contra-indications' and side effects' level. The high grad of quality is granted through SYSTAM® production process by moulding and the developpement of medical foams of high density for a longer lifespan of the supports.

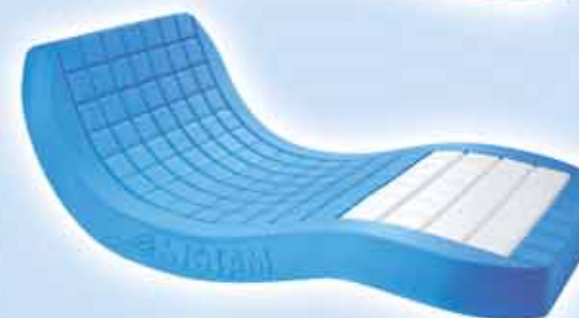


SYSTAM® P101M - POLYPLOT® is a moulded waffle polyurethane foam of high density (40 kg/m³). The manufacturing through moulding (≠ cut) grants higher durability and better resistance against tearing. POLYPLOT® mattress is available in several widths and length, as well as in 2 profiles (17 or 14 cm) POLYPLOT® is recommended upto pressure sore stage 1.

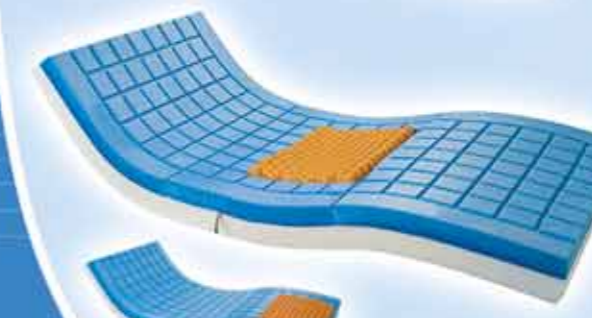


HMV: 11.29.05.1018

SYSTAM® P161M - VISCOFLEX® is a moulding mattress made of viscoelastic foam of very high density (80kg/m³) and of an anatomically shape anti-punching insert. The multi-material stratification obtained by moulding in one block provides a perfect adhesion that is time proof.

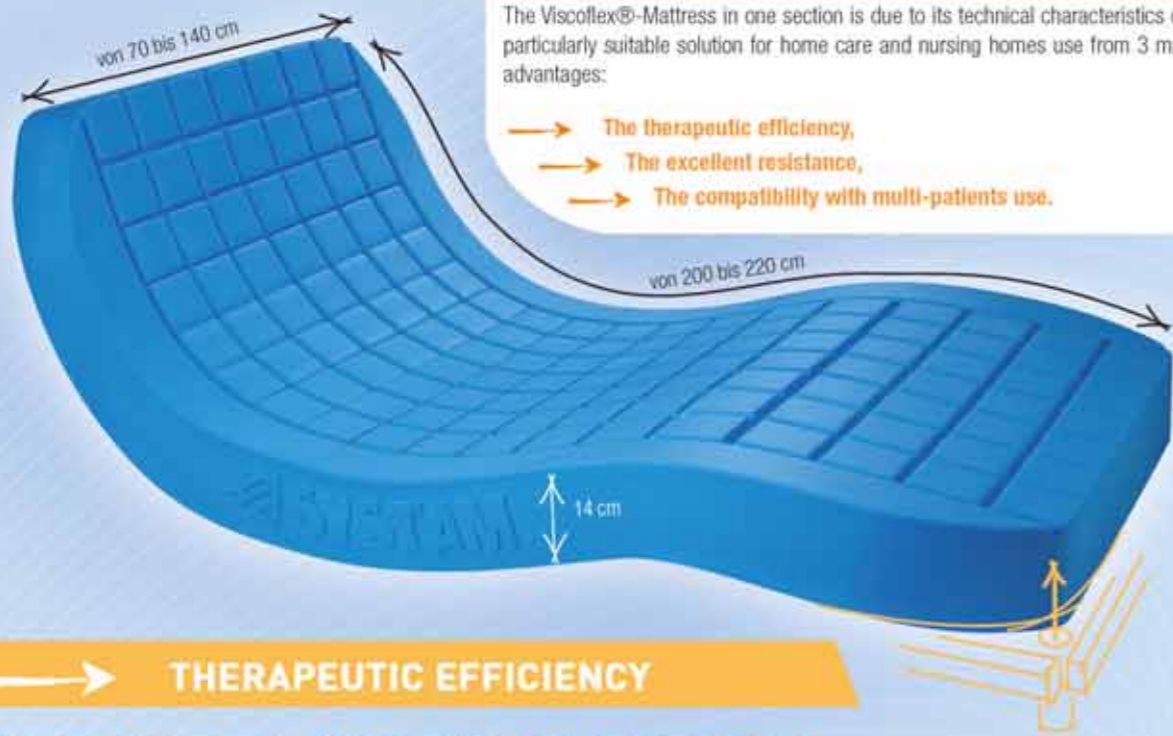


SYSTAM® P161M - VISCOFLEX® matches viscoelastic foam with the multi-bearing surfaces concept for heels area, which requires special care due to the low contact surface and weight of the heels.



SYSTAM® P161MR - COMBIFLEX®-AIR is the alliance of memory foam with air cells cushion. For specific areas the COMBIFLEX® is recommended for treatment help of bedsores upto stage 4, while the rest of the body will benefit of the highest prevention with viscoelastic foam. COMBIFLEX®-AIR and COMBIFLEX®-AIR + AIR (mattresses and overlays) can be adapted to evolution of the patient's pathology. (Please take a look at SYSTAM® Evolutive Concept)





The Viscoflex®-Mattress in one section is due to its technical characteristics of a particularly suitable solution for home care and nursing homes use from 3 major advantages:

- The therapeutic efficiency,
- The excellent resistance,
- The compatibility with multi-patients use.

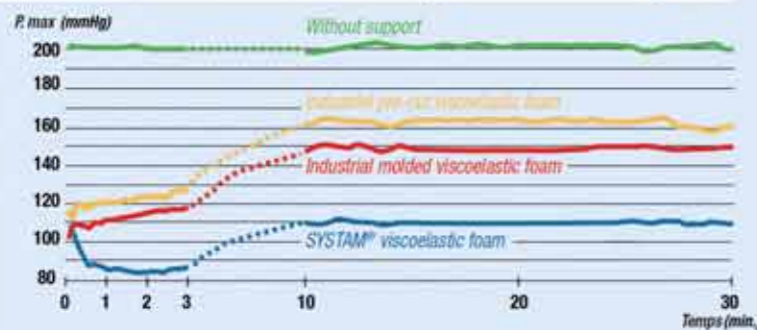
THERAPEUTIC EFFICIENCY

1 Viscoelastic foam with memory effect designed specifically for the medical field

- The memory effect of viscoelastic foam allows an accurate adaptation to the body shapes and thus an increase in the contact surface. This gives a better distribution of pressures and especially to reduce the transcutaneous pressures on areas at risk and facilitating blood circulation.
- Foam of very high density (80kg/m³). This foam shows excellent properties against deformation. The research and development department of SYSTAM® has deliberately directed his research to generate a stable formulation avoiding bottoming effect and staying stable in the time.



Messung der zeitlichen Entwicklung der Druckverteilung



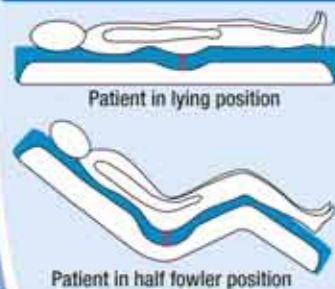
- From 0 to 3 minutes.: Relaxation time of the viscoelastic foams. The max. pressures are not relevant because the foams are not yet stabilised.
- From 3 to 10 minutes: Stabilisation time of the viscoelastic foams under pressure.
- After 10 minutes : Final compression stabilised. The pressure values are only now relevant as the foams are stabilised.
- Conclusions: viscoelastic foams can not be assessed on first impression, because they gradually (over 10 minutes) soften in contact with body temperature. The advantages of the SYSTAM® foam is the fact that, unlike for industrial foams (cut or moulded), it maintains its compression ratio and thereby prevent the bottoming effect.

2 SYSTAM®-innovation: the anatomic anti-punching insert made of high resiliency foam

- Allows a better immersion of the sacrum area, resulting in an increase of the contact surface with the mattress and thereby contributes to a reduction in the maximum pressures values.

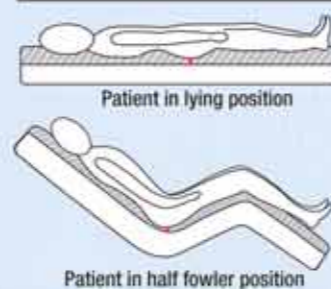


VISCOFLEX® with anatomic moulded insert



- As the insert follows the body shape in the sacrum area, the thickness of the viscoelastic foam is maximised to foster in all cases a best prevention against the danger zone.

Usual viscoelastic foam mattress



- The viscoelastic foam is strongly compressed in the area at risk, specially in half fowler-Position.

3 Extraordinary pressures reduction

- Pressure mapping tests made by German independant labs with all viscoelastic foam mattresses listed in the HMV represents an significant base for comparisons. The excellent results obtained by Viscoflex P161M have placed it first category. With a simulated patient weight of 80 kg, the Max. pressure is only 24mmHg.

AN EXCELLENT RESISTANCE

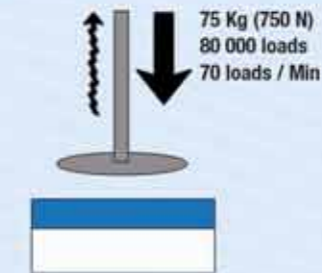
4 Functional properties of the highest level

- The VISCOFLEX® mattress shows a very long durability.

Test of the resistance to ageing

Ageing test according to European standards EN ISO 3385 / EN ISO 1856 (measurement of the loss of hardness & height)

- Test Method: a dynamic ageing of the mattress is achieved by loading the mattress with circular plate (250mm diameter), 80 000 times at a pressure of 75 kg (70 times per minute). Afterward, the loss in hardness and height (deformation) is determined and compared with the starting values. This procedure allows forecasting the stability of a mattress in continuous use.



Test results:

The Viscoflex mattress made of viscoelastic foam with a very high density of 80 Kg/m³ and high resiliency foam insert with a density of 40 Kg/m³ obtains values greatly below the requirements.

Conclusion:

The obtained values are about twice lower than for viscoelastic mattresses with polyether bases. The Viscoflex mattress is designed for continuous use, as well as the use for several patients.

5 Resistance of moulded mattresses compared with cut mattresses

- The skin effect of the moulding process permanently protects the foam against external attacks (tearing, Abbröckelung) for a longer lifespan of the equipment.
- Multi-material stratification made in one block obtained by moulding provides perfect adhesion, that is time proof.

THE COMPATIBILITY WITH MULTI-PATIENTS USES

6 Mattress manufactured in one block

- Fits perfectly medical beds with mattress bases in 3 or more sections
- Ready for use, easy implementation

Compatible with standard mattress' bases



Compatible with multi-sections mattress' bases

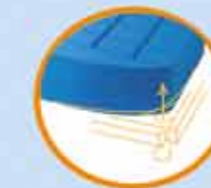


VISCOFLEX® mattress in moulded one section



7 Rounded corners

- Easier installation of supports in beds' frames



8 POLYMAILLE®-Integral cover: an effective barrier

- Hypoallergenic polyurethane enduction (anti-bacterial, anti-germ, anti-fungal).
- POLYMAILLE® is bi-extensible, to reduce tear and shear forces.
- POLYMAILLE® is breathable to improve micro-climat.
- POLYMAILLE® is impermeable to liquid.
- Non-slip base.
- Label with detailed washing instructions, side of use, and field to enter date of first use.





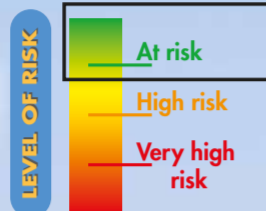
SYSTEM®

PRESSURE SORE PREVENTION

SEATING CUSHIONS & POSITIONING IN WHEELCHAIR

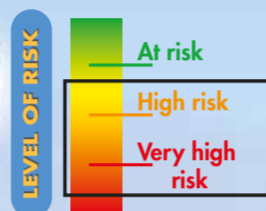
P371C
SYSTEM®
HR-FOAM

42 x 42 cm ; 45 x 42 cm
45 x 46 cm ; 51 x 46 cm



P361C
VISCOFLEX®

36 x 36 ; 38 x 38 ;
42 x 42 ; 42 x 46 ; 46 x 42 ;
45 x 46 ; 51 x 46 cm



BACK SUPPORT

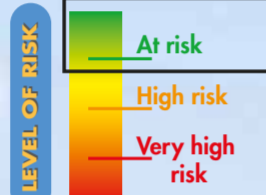
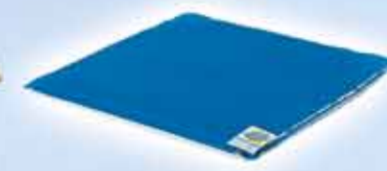


3 SIZES

Wheelchair's size (cm)	30	32	34	36	38	40	42	44	46	48	50
Large							+	+++	++++	++++	++
Standard				+	++++	++++	++++	++			
Small	+	++++	++++	++++	++						

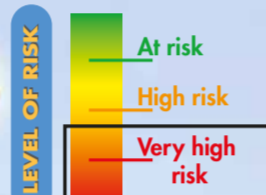
P311C
SYSTEM®
GEL

40 x 40 cm
45 x 43 cm



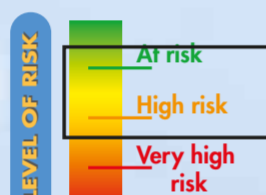
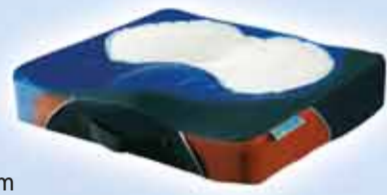
P301C
POLYAIR® 60

36 x 36 ; 40 x 40 ;
40 x 43 ; 40 x 46 ;
43 x 43 ; 46 x 40 ;
46 x 46 ; 51 x 46 cm



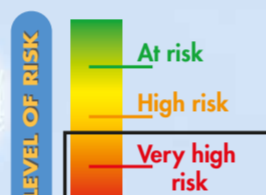
P341C
DUOFORM®

36 x 36 ; 42 x 42 ;
42 x 46 ; 46 x 42 ;
45 x 46 ; 51 x 46 cm



P302C
POLYAIR® 100

40 x 40 ; 40 x 43 ;
40 x 46 ; 43 x 43 ;
46 x 40 ; 46 x 46 cm



PILLOWS

CERVICAL ERGONOMIC PILLOW MADE OF MEMORY FOAM



CERVICAL ERGONOMIC PILLOW MADE OF HIGH RESILIENCY FOAM



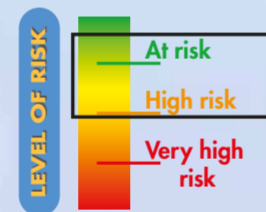
ERGONOMIC PILLOW MADE OF MEMORY FOAM



MATTRESSES & POSITIONING IN BED

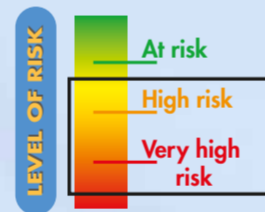
P101M
POLYPLOT®

Made of high resiliency foam in 1 section
Width: 90, 100 cm
Length: 100, 220 cm



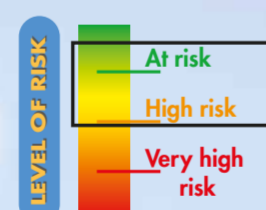
P161M
VISCOFLEX®

Made of viscoelastic foam with multibearing surfaces.
Size: 90 x 200 cm



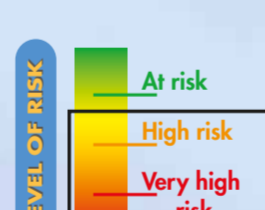
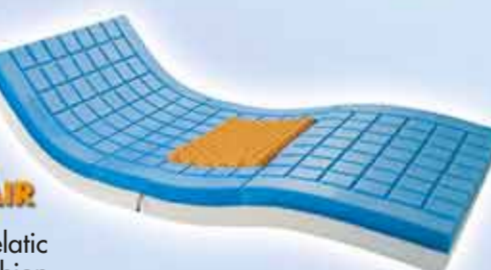
P141M
POLYMULTI®

Made of high resiliency foam in 3 sections with multibearing surface.
Size: 90 x 200 cm



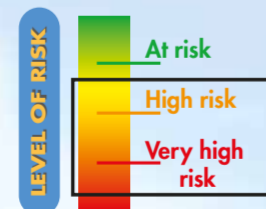
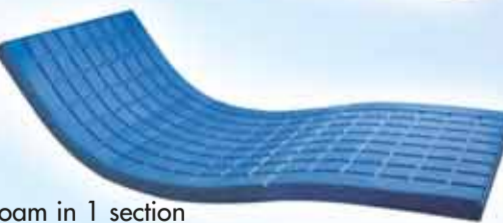
P161MR
COMBIFLEX® AIR

Combination of viscoelastic foam and air cells cushion.
Size: 90 x 200 cm



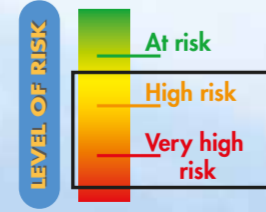
P161MS
OVERLAY

Made of viscoelastic foam in 1 section
Size: 90 x 200 cm



P161M
VISCOFLEX®

Made of viscoelastic foam in 1 section
Width: 80, 90, 100, 110, 120, 140 cm
Length: 200, 220 cm



SYSTEM® Evolutive Concept

A complete modular system, in particular adapted for progressive pathologies.



P901T - MINI INTEGRAL HELL PROTECTION

Indications: prevention for patients with full mobility or dement patients.



P910L - 30° LATERAL WEDGE

Positioning wedge
Indications: prevention and treatment help.



P902T - HELLS PROTECTION PAD WITH MULTIBEARING SURFACE

Can be used with full or partial pressure relief.
Indications: prevention or treatment help for patients with limited mobility of the lower limbs.



P911L ABDUCTION WEDGE

Indications: prevention of dislocation after the hip replacement operation



P903T - HEEL PROTECTION BOOT

Indications: prevention or treatment help for patients with complete lost of mobility of lower limb.



P912L UPPER LIMB POSITIONING WEDGE

Indications: durable positioning support for the upper limbs in the supine position. Prevention, and aid with re-absorption of oedemas (surgery, burns, strokes, coma, lymphoedema, etc.)



SYSTEM®

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