



WHEELCHAIR
RELATED

OUR CUSHIONS & POSITIONING SUPPORTS

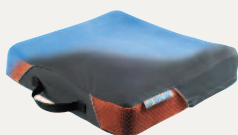
OUR CUSHIONS & INDICATIONS

THE RANGE OF SYST'AM® CUSHIONS

INDICATIONS

RISK

P371C
HR FOAM
CUSHION



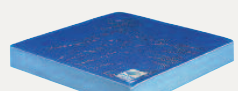
P311C
GEL
CUSHION



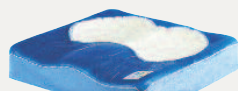
P311C-D
DUOGEL
CUSHION



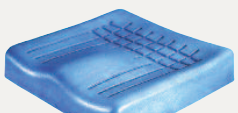
P314C
MIXTE
CUSHION



P341C
DUOFORM
CUSHION



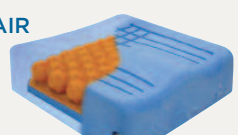
P361C
VISCOFLEX®
CUSHION



P361CA
VISCOFLEX®+
CUSHION



P361CR
VISCOFLEX® AIR
CUSHION



P301C
POLYAIR® 60
CUSHION



P302C
POLYAIR® 100
CUSHION



THESE CUSHIONS CAN BE USED, WHEN :

- Seated position is necessary resulting from diseases or handicap and there is at the same time an increased risk of pressure sore.



- Seated position is necessary resulting from diseases or handicap and there is at the same time an increased risk of pressure sore.



- 1- already pressure sore (Stage I to II after EPUAP) is present. The patient can change seating position or the pressure points are relieved through nursing care. OR
- 2- an increased to high risk according evaluation scale (Braden, Norton, Waterlow, ...) is present. The DUOFORM cushion is suitable for patients: with past history of pressure sore on contact with seating area, and/or also complete or incomplete paralysis of the trunk or lower limbs, and/or with impaired or absent sensation of the lower member, and/or with impaired frontal stability, and/or with light postural asymmetries and/or with vascular Amputation, and/or with bad general state.



- 1- already pressure sore (Stage I to II after EPUAP) is present. The patient can change seating position or the pressure points are relieved through nursing care. OR
- 2- an increased to very high risk according evaluation scale (Braden, Norton, Waterlow, ...) is present. The VISCOFLEX® cushion is suitable for patients: with past history of pressure sore on contact with seating area, and/or also complete or incomplete paralysis of the trunk or lower limbs, and/or with impaired or absent sensation of the lower member, and/or with impaired frontal stability, and/or with light postural asymmetries and/or with vascular Amputation, and/or with bad general state.



- 1- already pressure sore (Stage I to III according EPUAP) is present. The patient can change seating position or the pressure points are relieved through nursing care. OR
- 2- an increased to very high risk according evaluation scale (Braden, Norton, Waterlow, ...) is present. VISCOFLEX®+ cushion is suitable for patients: with past history of pressure sore on contact with seating area, and/or complete or incomplete paralysis of the trunk or lower limbs, and/or with impaired or absent sensation of the lower member, and/or with impaired frontal stability, and/or with light postural asymmetries and/or with vascular amputation, and/or with bad general state.



- 1- already pressure sore (Stage I to IV according EPUAP) is present. The patient can change seating position or the pressure points are relieved through nursing care. OR
- 2- an increased to very high risk according evaluation scale (Braden, Norton, Waterlow, ...) is present. VISCOFLEX® Air cushion is suitable for patients: with past history of pressure sore on contact with seating area, and/or complete or incomplete paralysis of the trunk or lower limbs, and/or with impaired or absent sensation of the lower member, and/or with bad general state.



- 1- already pressure sore (Stage I to IV according EPUAP) is present. OR
- 2- an increased to very high risk according evaluation scale (Braden, Norton, Waterlow, ...) is present. POLYAIR® Cushion is suitable for patients with past history of pressure sore on contact with seating area, and/or complete or incomplete paralysis of the trunk or lower limbs, and/or with impaired or absent sensation of the lower member. The two compartments systems are also suitable for patients with spastik/Contractures and/or with impaired frontal & lateral stability, and/or with postural asymmetries, unbalanced pelvic and/or with vascular amputation, and/or with bad general state.



03/2016



WHEELCHAIR
RELATED

OUR CUSHIONS & POSITIONING SUPPORTS

SYST'AM® P311C / GEL CUSHION

GEL CUSHION MADE OF VISCOELASTIC GEL

MATERIALS



Visco Gel



Removable
POLYMAILLE®
cover



Removable
POLYMAILLE®
HD cover



NF EN ISO 597 - 1 & 2

Cleaning of the gel :



(Do not immerse in water)

Cleaning POLYMAILLE® cover :



Cleaning POLYMAILLE® HD cover :



INDICATIONS

Risk



P311C / Gel cushion can be used, when:

- Seated position is necessary resulting from diseases or handicap and there is at the same time an increased risk of pressure sore.

SYST'AM® P311C / GEL CUSHION (without cover)



SYST'AM® P313C / GEL CUSHION

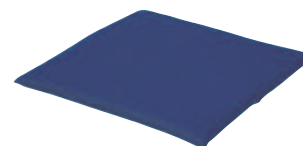
↳ Gel-Cushion with a removable central pad.



SYST'AM® P311C / GEL CUSHION (with cover)



POLYMAILLE® HD Cover (with welded seams)



| DESIGNATION | ITEM CODE | (W x L - cm / inches) | Min. - Max. (kg / lbs) |
|---|--------------|---------------------------|-------------------------------|
| SYST'AM® P311C with POLYMAILLE® cover | P311C40401HW | 40 x 40 cm / 16 x 16" | 40 - 120 kg / 88 - 264 lbs |
| | P311C45431HW | 45 x 43 cm / 18 x 17" | 40 - 140 kg / 88 - 308 lbs |
| SYST'AM® P311C with POLYMAILLE® HD cover | P311C40401HF | 40 x 40 cm / 16 x 16" | 40 - 120 kg / 88 - 264 lbs |
| | P311C45431HF | 45 x 43 cm / 18 x 17" | 40 - 140 kg / 88 - 308 lbs |
| SYST'AM® P313C with a removable central pad. | P313C40401HW | 40 x 40 cm / 16 x 16" | 40 - 100 kg / 88 - 220 lbs |



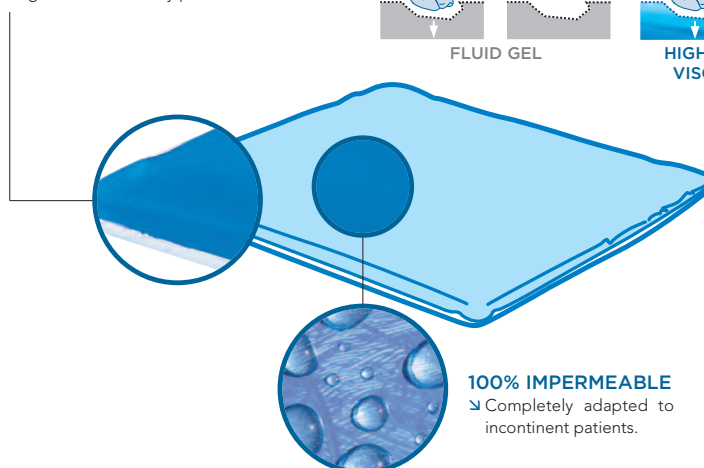
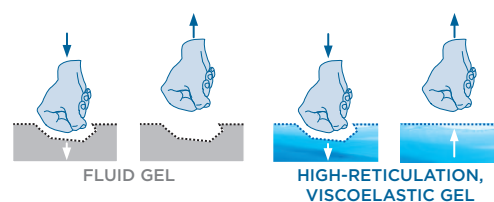
WARRANTY



PRODUCT «ADVANTAGES»

VISCOELASTIC HIGH-RETICULATED POLYURETHANE GEL

↳ Avoids gel migration and prevents the bottoming effect of the bony protuberances.



100% IMPERMEABLE

↳ Completely adapted to incontinent patients.



WHEELCHAIR
RELATED

OUR CUSHIONS & POSITIONING SUPPORTS

SYST'AM® P341C / DUOFORM CUSHION

CUSHION MADE OF 2 VISCOELASTIC GEL MOULDED WITH AN ANATOMIC POLYURETHANE HR-FOAM

MATERIALS

40
kg/m³



HR foam



Visco Gel



Removable
POLYMAILLE®
cover



Removable
POLYMAILLE® HD
cover



NF EN ISO 597 - 1 & 2

Foam maintenance :



(Do not immerse in water)

Cleaning of the cover :

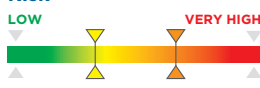


Cleaning POLYMAILLE® HD cover :



INDICATIONS

Risk



P341C / DUOFORM Cushion can be used, when:

- 1- already pressure sore (Stage I to II after EPUAP) is present. The patient can change seating position or the pressure points are relieved through nursing care. OR
- 2- an increased to high risk according evaluation scale (Braden, Norton, Waterlow, ...) is present. The P341C / DUOFORM cushion is suitable for patients: with past history of pressure sore on contact with seating area, and/or also complete or incomplete paralysis of the trunk or lower limbs, and/or with impaired or absent sensation of the lower member, and/or with impaired frontal stability, and/or with light postural asymmetries and/or with vascular Amputation, and/or with bad general state.

The cushion can be used on different seating supports without adjustment.

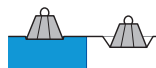
SYST'AM® P341C / DUOFORM (without cover)



SYST'AM® P341C / DUOFORM (with cover)



POLYMAILLE® HD Cover (with welded seams)



CONCEPT WITH MULTI-BEARING SURFACE

↳ The multi-bearing surface ensures a greater pressure distribution through shifting pressures away from areas with low bearing capacity towards high weight-bearing capacity's areas

WHITE AREA :

New generation of polyurethane viscoelastic fluid gel with low- bearing surface for maximum pressure reduction on sensitive areas (ischions, sacrum...).

BLUE AREA :

High-bearing surface ritculated viscoelastic gel on low risk areas for improved comfort and stability.

| DESIGNATION | ITEM CODE | (WxL - cm / inches) | Min. - Max. (kg / lbs) |
|--|---------------|-----------------------|----------------------------|
| P341C / DUOFORM® cushion with POLYMAILLE® cover | P341C36361HW | 36 x 36 cm / 14 x 14" | 30 - 70 kg / 66 - 154 lbs |
| | P341C42421HW | 42 x 42 cm / 16 x 16" | 40 - 110 kg / 88 - 242 lbs |
| | P341C42461HW | 42 x 46 cm / 16 x 18" | 40 - 120 kg / 88 - 264 lbs |
| | P341C45421HW | 45 x 42 cm / 18 x 16" | 40 - 120 kg / 88 - 264 lbs |
| | P341C45461HW | 45 x 46 cm / 18 x 18" | 40 - 140 kg / 88 - 308 lbs |
| | P341C51461HW | 51 x 46 cm / 20 x 18" | 40 - 160 kg / 88 - 352 lbs |
| P341C / DUOFORM® Soft with POLYMAILLE® cover | P341CS42421HW | 42 x 42 cm / 16 x 16" | 30 - 70 kg / 66 - 154 lbs |
| P341C / DUOFORM® cushion with POLYMAILLE® HD cover | P341C42421HF | 42 x 42 cm / 16 x 16" | 40 - 110 kg / 88 - 242 lbs |
| | P341C45421HF | 45 x 42 cm / 18 x 16" | 40 - 120 kg / 88 - 264 lbs |
| | P341C45461HF | 45 x 46 cm / 18 x 18" | 40 - 140 kg / 88 - 308 lbs |
| | P341C51461HF | 51 x 46 cm / 20 x 18" | 40 - 160 kg / 88 - 352 lbs |



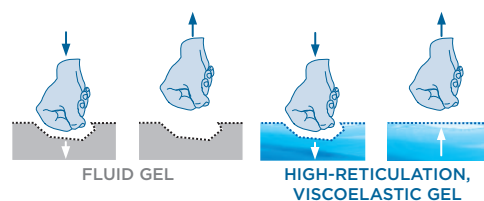
WARRANTY



PRODUCT «ADVANTAGES»

AN INNOVATIVE COMBINATION OF GEL AND HR-FOAM

- ↳ High-reticulated viscoelastic polyurethane gel: avoids gel migration thus preventing all punching of the support. The viscoelastic fluid gel (white pad) ensures reduction of the Max. pressures on sensitive areas.
- ↳ The addition of a high-resilience foam base enables the cushion to adapt better to bony protuberances, thus providing a larger contact surface, therefore more effective distribution of pressure. Moreover, it improves patient comfort and stability.
- ↳ Because the two layers of the material are moulded together (≠ stuck), they are completely bonded, thus eliminating all risk of separating over time.



ANATOMICAL SHAPE

- ↳ Increases contact surface with the support, thus producing reduction in transcutaneous pressures.
- ↳ Improves patient positioning and stability.

100% IMPERMEABLE

- ↳ Completely adapted to incontinent patients.



WHEELCHAIR
RELATED

OUR CUSHIONS & POSITIONING SUPPORTS

SYST'AM® P361CA / VISCOFLEX®+ CUSHION

ANATOMIC MOULDED CUSHION MADE OF VISCOELASTIC FOAM WITH MEMORY EFFECT AND AN ERGONOMIC INSERT

MATERIALS

80
kg/m³



Visco foam

40
kg/m³



HR foam



Removable
POLYMAILLE®
cover



Removable
POLYMAILLE®
HD cover



NF EN ISO 597 - 1 & 2

Foam maintenance :



(Do not immerse in water)

Cleaning of the cover :

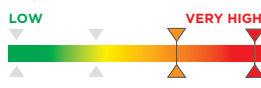


Cleaning POLYMAILLE® HD cover :



INDICATIONS

Risk

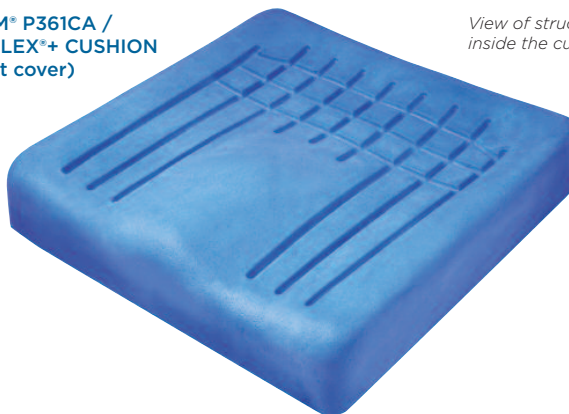


P361CA / VISCOFLEX®+ cushion can be used, when :

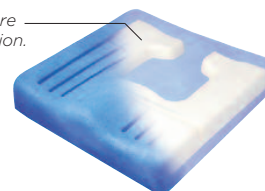
- 1- already pressure sore (Stage I to III according EPUAP) is present. The patient can change seating position or the pressure points are relieved through nursing care. OR
- 2- an increased to very high risk according evaluation scale (Braden, Norton, Waterlow, ...) is present. P361CA / VISCOFLEX®+ cushion is suitable for patients: with past history of pressure sore on contact with seating area, and/or complete or incomplete paralysis of the trunk or lower limbs, and/or with impaired or absent sensation of the lower member, and/or with impaired frontal stability, and/or with light postural asymmetries and/or with vascular amputation, and/or with bad general state.

The cushion can be used on different seating support without adjustment.

SYST'AM® P361CA /
VISCOFLEX®+ CUSHION
(without cover)



View of structure
inside the cushion.



SYST'AM® P361CA /
VISCOFLEX®+ CUSHION
(with cover)



SYST'AM® P361CP /
VISCOFLEX®+ CUSHION
WITH POMMEL

↳ for Patient with stability deficit



SYST'AM® P361CA /
VISCOFLEX®+ BARIATRIC

↳ for Bariatric Patients



POLYMAILLE® HD Cover
(with welded seams)



| DESIGNATION | ITEM CODE | (W x L - cm / inches) | Min. - Max. (kg / lbs) |
|---|---------------|---------------------------|-----------------------------|
| P361CA / VISCOFLEX®+ cushion with POLYMAILLE® cover | P361CA32321HW | 32 x 32 cm / 13 x 13" | 15 - 50 kg / 33 - 110 lbs |
| | P361CA36361HW | 36 x 36 cm / 14 x 14" | 30 - 50 kg / 66 - 110 lbs |
| | P361CA38381HW | 38 x 38 cm / 15 x 15" | 30 - 90 kg / 66 - 198 lbs |
| | P361CA38431HW | 38 x 43 cm / 15 x 17" | 40 - 100 kg / 88 - 220 lbs |
| | P361CA40401HW | 40 x 40 cm / 15,5 x 15,5" | 40 - 100 kg / 88 - 220 lbs |
| | P361CA42421HW | 42 x 42 cm / 16 x 16" | 40 - 100 kg / 88 - 220 lbs |
| | P361CA42461HW | 42 x 46 cm / 16 x 18" | 40 - 110 kg / 88 - 242 lbs |
| | P361CA45421HW | 45 x 42 cm / 18 x 16" | 40 - 110 kg / 88 - 242 lbs |
| | P361CA45461HW | 45 x 46 cm / 18 x 18" | 40 - 130 kg / 88 - 286 lbs |
| | P361CA48431HW | 48 x 43 cm / 19 x 17" | 40 - 140 kg / 88 - 308 lbs |
| | P361CA51461HW | 51 x 46 cm / 20 x 18" | 60 - 150 kg / 132 - 330 lbs |
| | P361CA51501HW | 51 x 50 cm / 20 x 20" | 60 - 160 kg / 132 - 352 lbs |
| | P361CA56461HW | 56 x 46 cm / 22 x 18" | 60 - 230 kg / 132 - 507 lbs |
| | P361CA61501HW | 61 x 50 cm / 24 x 20" | 80 - 270 kg / 176 - 595 lbs |
| P361CP / VISCOFLEX®+ cushion with pommel | P361CP42421HW | 42 x 42 cm / 16 x 16" | 40 - 100 kg / 88 - 220 lbs |
| | P361CP45421HW | 45 x 42 cm / 18 x 16" | 40 - 110 kg / 88 - 242 lbs |
| | P361CP45461HW | 45 x 46 cm / 18 x 18" | 40 - 130 kg / 88 - 286 lbs |
| P361CA / VISCOFLEX®+ cushion with POLYMAILLE®HD cover | P361CA42421HF | 42 x 42 cm / 16 x 16" | 40 - 100 kg / 88 - 220 lbs |
| | P361CA45421HF | 45 x 42 cm / 18 x 16" | 40 - 110 kg / 88 - 242 lbs |
| | P361CA48431HF | 48 x 43 cm / 19 x 17" | 40 - 140 kg / 88 - 308 lbs |
| | P361CA45461HF | 45 x 46 cm / 18 x 18" | 40 - 130 kg / 88 - 286 lbs |
| | P361CA51461HF | 51 x 46 cm / 20 x 18" | 60 - 150 kg / 132 - 330 lbs |
| | P361CA51501HF | 51 x 50 cm / 20 x 20" | 60 - 160 kg / 132 - 352 lbs |
| | P361CA56461HF | 56 x 46 cm / 22 x 18" | 60 - 230 kg / 132 - 507 lbs |



WARRANTY



03/2016



WHEELCHAIR
RELATED

OUR CUSHIONS & POSITIONING SUPPORTS

SYSTAM® P361CA / VISCOFLEX®+ CUSHION

PRODUCT «ADVANTAGES»

MOULDED VISCOELASTIC FOAM WITH MEMORY EFFECT

- Precise moulding of the body and increase of the body surface in contact with the cushion ;
- Better pressures distribution: reduction of transcutaneous pressures on areas at high risk and facilitated blood circulation ;
- Improved comfort and stability of the patient ;
- Skin effect obtained through the moulding process: protection of the foam against external aggressions (tear, crumbling) ;
- With a very high density to prevent deformation and sagging effects.

ANATOMICAL SHAPE WITH RAISED LATERAL EDGES AND FRONT-BACK SLOPE

- Improves the positioning, the stability and the comfort of the patient ;
- Increases the contact surface and therewith reduces the pressures. Increases the contact surface and therewith reduces the pressures.

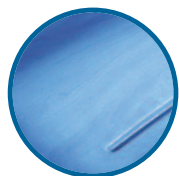
THE INSERT : AN INNOVATIVE CONCEPT WITH ERGONOMICAL INSERT

- Made of foam with high bearing capacity, it structures the cushion. It functions as skeleton of the cushion in order to set the weightbearing capacities on different areas ;
- It allows the optimal immersion of the bony protuberances (sacrum, ischias) in the material: this means a sufficient immersion of the area at risk, but also a controlled and stabilised immersion before reaching the bottoming limit.

MULTI-BEARING INSERT

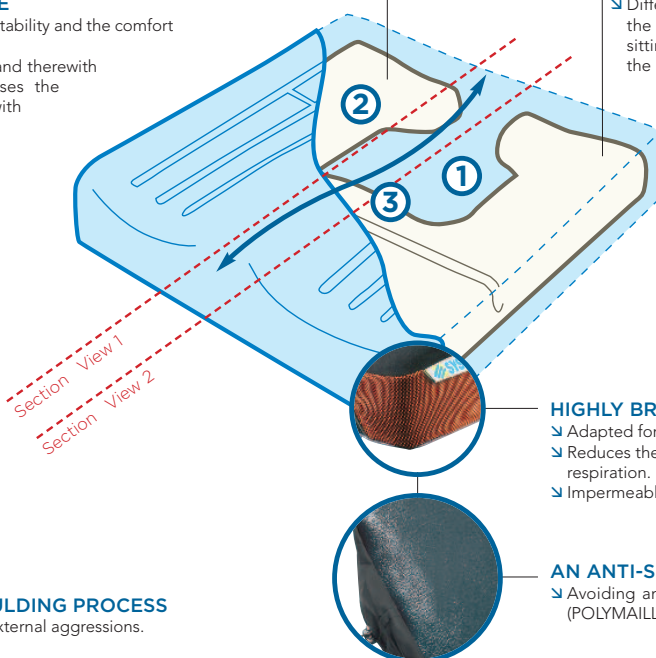
- Different bearing capacity in front-rear part of the insert in order to rebalance patients in a sitting position and thus to reduce the load at the ischial zone.

ULTRA LIGHT



SKIN EFFECT FROM MOULDING PROCESS

- Protects the product against external aggressions.



HIGHLY BREATHABLE COVER

- Adapted for incontinence
- Reduces the maceration effects through easing the skin respiration.
- Impermeable material

AN ANTI-SLIP BASE

- Avoiding any sliding of the cushion from the support (POLYMAILLE® only).

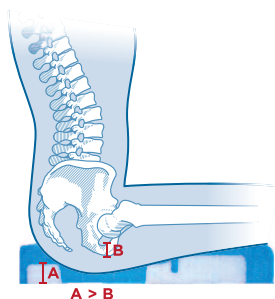
①



REDUCE THE LOAD ON THE RISK ZONES

- Protected risk zones (sacrum / ischia), (even in cases of pelvic retroversion), in order to provide partial relief of bony protuberances through immersion.

② (SECTION VIEW 1)



ANTI-PUNCHING SYSTEM

- Specifically positioned in relation to the ischia (B).
- Distributes the pressure to the buttock peripheral zone, stabilizing pelvis immersion and preventing it from reaching the bottoming zone.

③ (SECTION VIEW 2)



PRE-ISCIAL RIDGE

- Blocks the ischia, thus preventing forward sliding.



WHEELCHAIR
RELATED

OUR CUSHIONS & POSITIONING SUPPORTS

SYSTAM® P361CP / VISCOFLEX®+ CUSHION WITH POMMEL

FEATURES OF THE P361CP /VISCOFLEX®+ WITH POMMEL

AN INNOVATIVE STABILISING POMMEL, THAT IS ADJUSTABLE AND COMPLETELY SEPARATE FROM THE CUSHION

- Unlike other systems inserting the pommel inside the cushion's cover, the SYSTAM® stabilising pommel has its own cover attached on the cushion.
- Simplifies the setting and adjusting of the equipment under the patient by the nursing personnel.
- Simplifies the transfer from the chair by allowing to remove instantaneously and easily the stabilisation's wedge.

COMPLETELY COVERED POMMEL

- Provides an impermeable barrier against urine.
- Textile coated with flexible soft-to-the-touch polyurethane designed to reduce the effect of friction at high-risk points.

PREVENTION OF THE FORWARD SLIDING (SAGITTAL INSTABILITY)

- Prevention against falls, and true alternative to restraints



CHAIR ATTACHMENT SYSTEM

- Reassures patients subject to forward sliding or falling from the chair by maintaining the cushion in position, in spite of the pressure applied to the front part of the cushion.

ANATOMICALLY SHAPED POMMEL

- Respects the morphological curve of thighs.
- Respects the natural opening angle of lower limbs (distal part slimmer than proximal part).
- Deep, effort-free positioning of pommel for medical staff, while simultaneously offering maximum patient comfort thanks to the particularly slim sub-pubic tip.



MOULDED STABILISING POMMEL

- No sharp ridges, thus reducing shearing zones and resulting discomfort.
- High-resiliency foam for optimal comfort at pressure zones.



ADJUSTABLE POMMEL DEPTH

- Adjustable large-amplitude (more than 10 cm) pommel, ensuring maximum lifting.
- Precise adjustment to all patient morphologies.
- Pommel adjustment particularly easy for nursing staff thanks to the fact that the pommel is completely separate from the cushion.



AVAILABLE IN 3 SIZES



WHEELCHAIR
RELATED

OUR CUSHIONS & POSITIONING SUPPORTS

SYSTAM® P361CP / VISCOFLEX®+ CUSHION WITH POMMEL

POSITION AND FORWARD SLIPPING IN GERIATRICS

Forward sliding in the sitting position is a very frequent postural deficit in geriatrics. While sacro-coccygeal sores have long been attributed exclusively to the supine position, forward sliding in a sitting position is now recognised as a major risk factor for sacro-coccygeal pressure sores in geriatrics.

It is therefore essential to prescribe a support cushion as soon as forward sliding occurs.

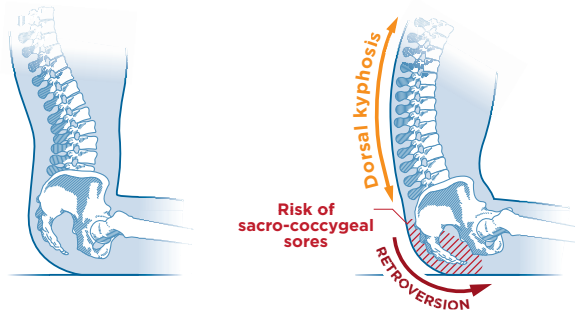
THE CAUSES OF FORWARD SLIDING

- Forward sliding phenomena are caused by postural deficits that can be either hypertonic (retropulsion, pelvic tilt) or hypotonic (weak paravertebral muscles, accentuated kyphosis).
- The usual causes of forward sliding tend to be psychomotor regression, a marked dorsal anatomy or a reaction to pain at pressure points.

RISKS LINKED TO FORWARD SLIDING

Sacro-coccygeal sores, the result of forward sliding

- The static position of the spinal column changes with age.
- Many studies show that aging is accompanied by an increase in dorsal kyphosis and a loss of lumbar lordosis, with the pelvis tilting an average of 6° between the ages of 40 and 60.



- In a sitting position, lumbar flattening and physiological tilting of the pelvis are thus more pronounced in elderly people.
- With forward sliding, pelvic retroversion is sufficiently marked to provoke considerable pressure of the sacro-coccygeal region in the sitting position.
- Moreover, when the pelvis shifts forward in the sitting position, the weight of the upper part of the body generates shearing forces that favour the appearance of sores.
- Overall, forward sliding in a sitting position is a major risk factor for sacro-coccygeal sores in geriatrics.

The influence of forward sliding on breathing:

- Forward sliding in a sitting position progressively increases the curvature of dorsal kyphosis, thus limiting rib cage amplification (rib cage expansion) and diaphragm mobility. The respiratory capacity is thus clearly diminished.



BAD POSITION
(Risk of sacral sores)



GOOD POSITION

POSTURE AND SITTING POSITION

The effect of the positioning cushion on forward sliding

- It is therefore essential for these elderly patients to maintain a stable posture in a raised sitting position in order to prevent the appearance of sacro-coccygeal pressure sores and increased retropulsion.
- Forward sliding stabilised by a pelvic pommel thus blocks the pelvis on the sagittal plane.
- This pommel must nevertheless be adjustable in depth over a large amplitude in order to promote stabilisation with a maximum raised position.
- This is essential because any stabilisation that leaves even slight existing forward sliding runs the risk of causing sacro-coccygeal pressure.
- The posterior part of the pommel is necessarily curved and tapered in order to match the anatomic form of the pelvis, thus avoiding increased pressure at the pubic symphysis.
- A pelvic pommel that is easily removable without completely or partially removing the cushion cover greatly facilitates its removal for transfers.

The positioning cushion, a real alternative to restraints

- In practice, the use of restraints is still largely practiced in geriatric care units in order to stabilise the sitting position.
- There are various procedures: bonds, attachments, bracelets, jackets, harnesses, belts, safety bars, chair trays.
- The A.N.A.E.S. (experts committee) report recommends using an alternative system to braces.
- Restraints prove to cause increased agitation, abdominal pressure and discomfort for patients, and patients and their entourage see them as degrading.
- An estimated 1/1000 deaths are considered to be linked to restraints, 58% used in chairs.
- The posture support cushion provides a solution to forward sliding while promoting patient safety and preserving their dignity.



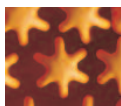
WHEELCHAIR
RELATED

OUR CUSHIONS & POSITIONING SUPPORTS

SYST'AM® P301C & P302C / POLYAIR® CUSHION

PNEUMATIC AIR-CELLS CUSHION / SINGLE OR TWO COMPARTMENTS

MATERIALS



Laxprene®



Removable
POLYMAILLE®
cover



NF EN ISO 597 - 1 & 2

Cushion maintenance :



Cleaning of the cover :



INDICATIONS

Risk



P301 - P302C / POLYAIR® cushion
can be used, when :

- 1- already pressure sore (Stage I to IV according EPUAP) is present. OR
- 2- an increased to very high risk according evaluation scale (Braden, Norton, Waterlow, ...) is present. POLYAIR® cushion is suitable for patients with past history of pressure sore on contact with seating area, and/or complete or incomplete paralysis of the trunk or lower limbs, and/or with impaired or absent sensation of the lower member, and/or with spastik/Contractures and/or with impaired frontal & lateral stability, and/or with postural asymmetries, unbalanced pelvic and/or with vascular amputation, and/or with bad general state.

SYST'AM® P301C / POLYAIR® 60
(without cover)



AVAILABLE WITH EITHER
ONE OR TWO COMPARTMENTS

SYST'AM® P301C /
POLYAIR® (with cover)



SYST'AM® P301C / POLYAIR® 60



➤ P301C / POLYAIR® 60 is best suited to smaller, somewhat active patients independently able to shift their weight and requiring little or no assistance with transfer.



SYST'AM® P302C / POLYAIR® 100

➤ P302C / POLYAIR® 100 is best suited to larger, less active patients with very limited mobility who are at high risk of developing, or have already developed, pressure sores.

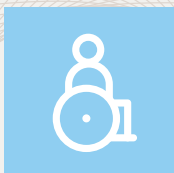
| DESIGNATION | ITEM CODE | (WxL - cm / inches) | Min. - Max. (kg / lbs) | BUTTOCK MEASUREMENT (cm / inches) |
|---|---------------|---------------------|------------------------|-----------------------------------|
| P301C / POLYAIR® 60 | P301C36361HW | 36 x 36 / 14 x 14" | 20 - 60 / 44 - 132 | 50 - 75 / 19 - 29 |
| | P301C40401HW | 40 x 40 / 16 x 16 | 30 - 80 / 66 - 176 | 75 - 95 / 29 - 37 |
| | P301C40431HW | 40 x 43 / 16 x 17 | 30 - 90 / 66 - 198 | 75 - 115 / 29 - 45 |
| | P301C40461HW | 40 x 46 / 16 x 18 | 30 - 110 / 66 - 242 | 75 - 115 / 29 - 45 |
| | P301C43431HW | 43 x 43 / 17 x 17 | 30 - 110 / 66 - 242 | 95 - 115 / 37 - 45 |
| | P301C46401HW | 46 x 40 / 18 x 16 | 40 - 120 / 88 - 264 | 95 - 135 / 37 - 53 |
| | P301C46461HW | 46 x 46 / 18 x 18 | 40 - 140 / 88 - 308 | 115 - 135 / 45 - 53 |
| | P301C51461HW | 51 x 46 / 20 x 18 | 40 - 160 / 88 - 352 | 135 / 53 and + |
| | P301C51501HW | 51 x 50 / 20 x 20 | 40 - 180 / 88 - 396 | 135 / 53 and + |
| P302C / POLYAIR® 100 | P302C40401HW | 40 x 40 / 16 x 16 | 40 - 80 / 88 - 176 | 75 - 95 / 29 - 37 |
| | P302C40431HW | 40 x 43 / 16 x 17 | 40 - 90 / 88 - 198 | 75 - 115 / 29 - 45 |
| | P302C40461HW | 40 x 46 / 16 x 18 | 40 - 120 / 88 - 264 | 75 - 115 / 29 - 45 |
| | P302C43431HW | 43 x 43 / 17 x 17 | 40 - 110 / 88 - 242 | 75 - 115 / 29 - 45 |
| | P302C46401HW | 46 x 40 / 18 x 16 | 40 - 120 / 88 - 264 | 95 - 135 / 37 - 53 |
| | P302C46461HW | 46 x 46 / 18 x 18 | 40 - 140 / 88 - 308 | 115 - 135 / 45 - 53 |
| | P302C51461HW | 51 x 46 / 20 x 18 | 40 - 160 / 88 - 352 | 135 / 53 and + |
| P301C-M / POLYAIR® 60 WITH ONE COMPARTMENT | P301CM40401HW | 40 x 40 / 16 x 16 | 30 - 80 / 66 - 175 | 75 - 95 / 29 - 37 |
| | P301CM43431HW | 43 x 43 / 17 x 17 | 30 - 110 / 66 - 240 | 95 - 115 / 37 - 45 |
| | P301CM46461HW | 46 x 46 / 18 x 18 | 40 - 140 / 88 - 310 | 115 - 135 / 45 - 53 |
| P302C-M / POLYAIR® 100 WITH ONE COMPARTMENT | P302CM40401HW | 40 x 40 / 16 x 16 | 40 - 80 / 88 - 175 | 75 - 95 / 29 - 37 |
| | P302CM43431HW | 43 x 43 / 17 x 17 | 40 - 110 / 88 - 240 | 95 - 115 / 37 - 45 |
| | P302CM46461HW | 46 x 46 / 18 x 18 | 40 - 140 / 88 - 310 | 115 - 135 / 45 - 53 |



WARRANTY



03/2016



WHEELCHAIR
RELATED

OUR CUSHIONS & POSITIONING SUPPORTS

SYST'AM® P301C & P302C / POLYAIR® CUSHION

PRODUCT «ADVANTAGES»

EFFECTIVE, ERGONOMIC & COMFORTABLE

- Ensures maximum patient contact with seating surface by moulding itself to protuberances of the sacrum area. This results in extremely effective reduction in transcutaneous pressure values (as measured by 3D pressure imaging devices) on the buttock areas with little or no counter-pressure.
- POLYAIR® adapts to all anatomy types, particularly as a result of its internal air channel ventilation, enabling the cushion to rapidly adjust to the patient's morphology and protecting from tissue breakdown.
- POLYAIR® is an effective solution in the prevention of pressure sores in high-risk areas and assists in the healing of previously formed sores.
- POLYAIR® is equally effective as a weapon against the effects of maceration, friction and shear as a result of:
 - improved aeration in areas at risk;
 - reduction in tissue deformation;
 - increased stability as a result of its honeycomb design.

THE WORKING PRINCIPLES

Adapts to the patient's morphology

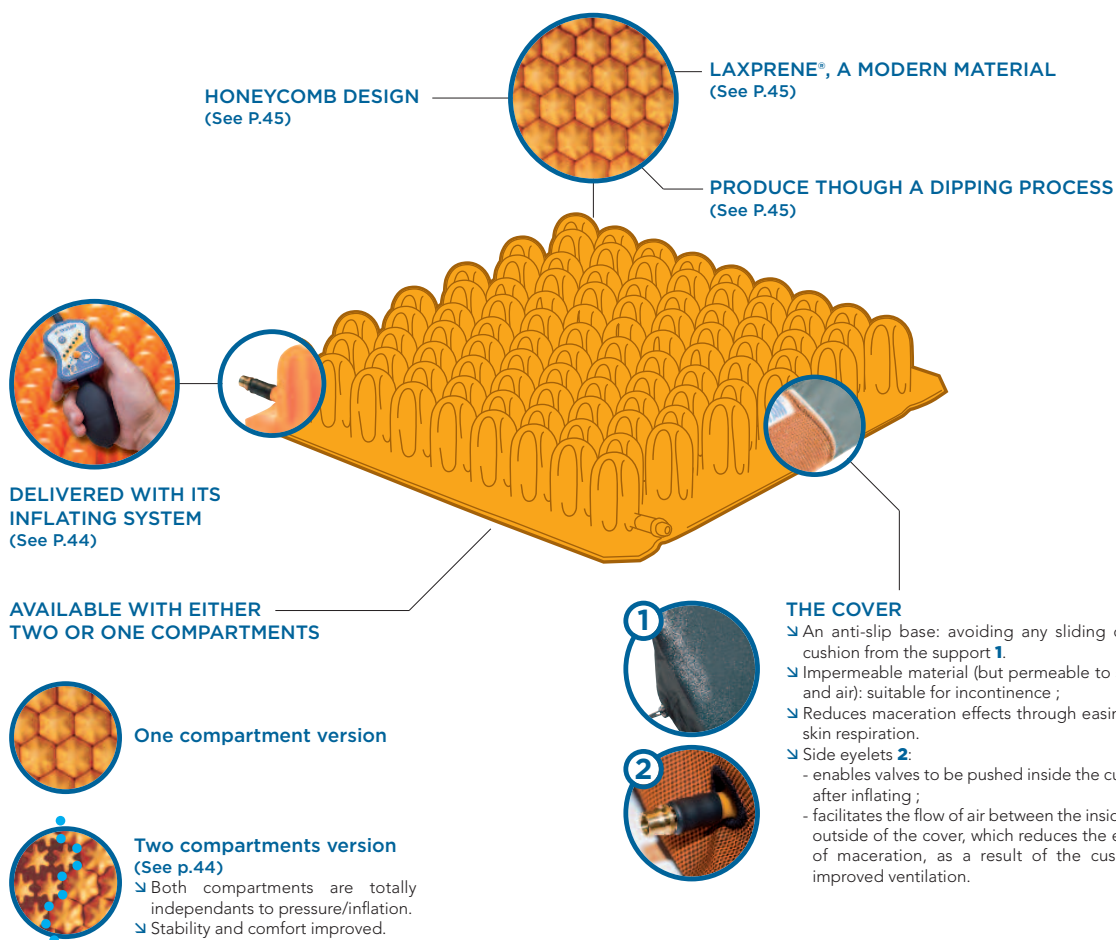
- Reduces pressure through increased surface area;
- POLYAIR® adapts to all anatomy types, particularly as a result of its internal air channel ventilation, enabling the cushion to rapidly adjust to the patient's morphology and protecting from tissue breakdown.

Cell independence and mobility

- Enables effective counteracting of shearing
- Ensures even pressure in all compartments.

Reduction in the effects of maceration

- Aeration channels results in improved ventilation.



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OUR CUSHIONS & POSITIONING SUPPORTS

SYST'AM® P301C & P302C / POLYAIR® CUSHION

PRODUCT «ADVANTAGES»



SYST'AM® INNOVATION

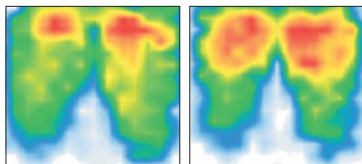
DELIVERED WITH ITS NEW ELECTRONIC MEASURING AND ADJUSTMENT SYSTEM

- Pressure gauge completely designed and manufactured by SYST'AM®, specially produced by our R&D department for use with the POLYAIR® cushion
- Fully electronic, the measuring system is extremely accurate and specifically calibrated to measure the micro-pressures inside the POLYAIR® cushion
- Unlike membrane-type pressure gauges (such as those adapted from cardiology instruments), the measurements are not just more accurate with an electronic sensor, but they are also more reliable and reproducible as there is no risk of membrane deformation or wear. As a result, inflation is much more accurate.
- To adjust pressure through deflation, just press a button
- The new design makes the accessory more ergonomic, lighter, simpler and easier to use.

A GENUINE INFLATION SYSTEM

- Maladjusted inflating impairs the air cells cushions efficiency.
 - An over-inflated or under-inflated cushion can lead to pressure sore outbreak.
 - Since the inflating variations inside of each compartment (few MmHg) can not be detected through hand feeling, the sole way to inflate properly air cells cushions is to use inflating tools such as pressure gauge manometer.
- Only the manometer is able to take into account the weight and contact surface of patient with the cushion. This method showing constant results grants an efficient prevention.

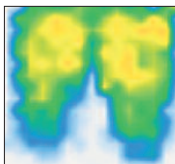
CUSHION INFLATED PER HAND



UNDER-INFLATED CUSHION OVER-INFLATED CUSHION

INEFFICIENT

INFLATED POLYAIR®-CUSHION WITH PRESSURE GAUGE

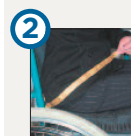


**EFFICIENT
PREVENTION**

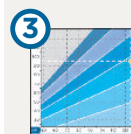
A simple inflating, thanks to the inflation matrix and the pressure gauge manometer



- In order to determine the inflating score, you need the weight of the patient.



- The measurement of the buttock circumference reveals the contact surface with the cushion.

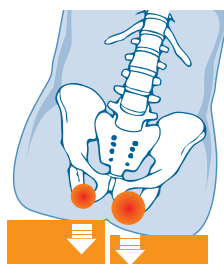
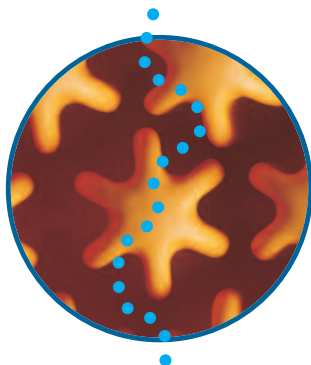


- Cross the weight and buttock circumference on the inflating grid and read the inflating score for efficient pressure sore prevention.

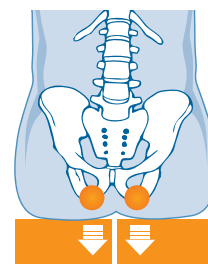
TWO COMPARTMENTS VERSION SPECIFICITIES

TWO SEPARATE COMPARTMENTS

- All POLYAIR® cushions feature dual compartments (left and right) which act independently from each other. With the included manometer and pressure guide chart, they can be inflated at equal or different pressure levels.
- This design is particularly useful in rectifying pelvic imbalances while at the same time offering greater stability and comfort.



Pelvic imbalance



Rebalancing: improves stability and position



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OUR CUSHIONS & POSITIONING SUPPORTS

SYST'AM® P301C & P302C / POLYAIR® CUSHION

PRODUCT «ADVANTAGES»

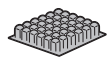
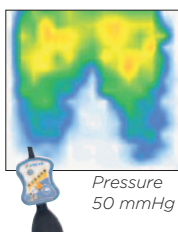
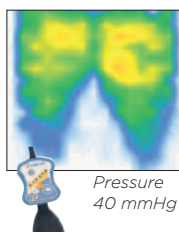
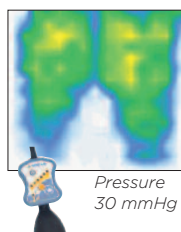
POLYAIR® : A CUSHION MADE THROUGH DIPPING PROCESS

The measures below were conducted with the same patient sitting on two different types of cushion (a cushion manufactured through dipping process and a cushion moulded with compression), both inflated to several different levels of pressure.



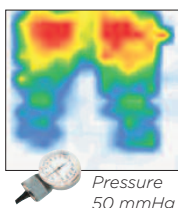
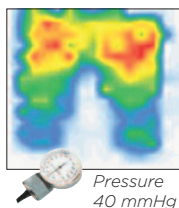
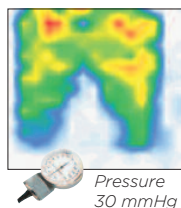
A cushion manufactured through dipping process

- Flexible and elastic to the touch
- Adaptable, with a progressive reaction to inflation



A cushion manufactured through Compression process

- Greater thickness than with dipping technology
- A tendency to harden when inflated.



CUSHION MADE OF LAXPRENE®

Laxprene® was developed from a specific compound mixture designed to offer:

- adaptability,
- tearing resistance,
- and pressure maintenance.

Durability was a major factor in the choice of Laxprene®.

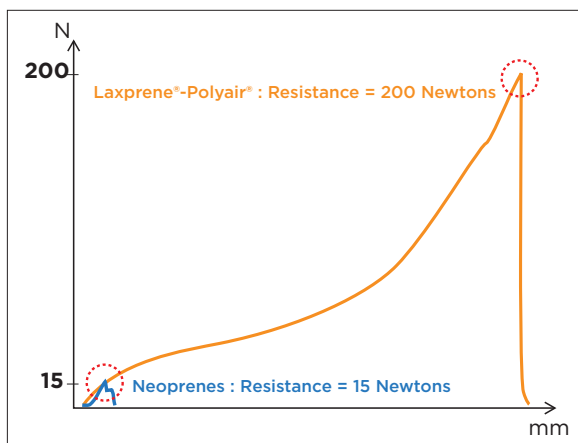
This material makes the POLYAIR® highly resistant to large scale tearing (more resistant than neoprenes and polychloroprenes).

Features and performances of Laxprene

The Laxprene® material has been specially developed by SYST'AM® in order to get :

- an anallergical material (Laxprene®≠Latex);
- a very extensible material with a very high tearing resistance.

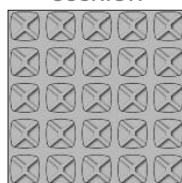
In addition, because the Laxprene® is worked through a dipping process, POLYAIR® benefits of a great suppleness, ensuring a perfect response to the inflation pressure.



HONEYCOMB DESIGN :

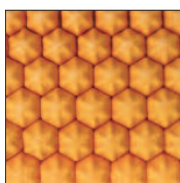
- The honeycomb layout optimises the density of air cells and improves contact surface and pressure distribution in order to minimise the cutaneous pressures.

AIR CELLS CUSHION



16 to 25 Cells

POLYAIR®



30 Cells

