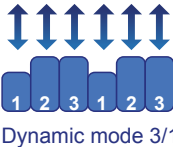


arsos® soft

Unique hybrid air foam mattress for the prevention and treatment of pressure ulcers up to stage IV according to degree of risk by EPUAP. The system combines passive mattress up to stage II and active mattress up to stage IV of degree of risk. Mattresses range arsos® combines in itself the best features of both systems. The patented concept of the mattress offers unique features and the highest degree of protection against the risk of pressure ulcers, while maintaining mattress height of only 12 cm.

Mattres details

- | 14 pairs of individually exchangeable air foam cells
- | Elastic, water resistant and breathable cover
- | Suitable for patients weighing from 20 to 100 kg
- | Three-cell system of alternating pressure
- | CPR valve
- | Reinforced edge of the mattress to facilitate getting out of bed
- | The mattress is designed for direct placing on the bed grid
- | Can also be used as a foam mattress with prevention of pressure ulcers up to stage II
- | Possibility of inflating the mattress with the lying patient
- | Can be used with pumps dexos® light or dexos® autoplus
- | Dimensions 200 x 90 x 12 cm



MATTRESS DETAILS ACCORDING TO SELECTED PUMP

Pump name	dexos® light	dexos® autoplus	dexos® autoplus XXL
Load capacity	180 kg	180 kg	250 kg
Pressure setting	manual	automatic	automatic

Pump dexos® light

- | Manual pressure adjustment according to patient's weight
- | Small size, quiet operation
- | Static / dynamic mode
- | START / STOP system
- | Acoustic and visual alarm
- | Keypad lock
- | Cell pressure alternation in 4 cycles 5, 10, 15 or 20 minutes
- | Integrated holder for the bed end

Pump dexos® autoplus

- | Automatic pressure adjustment according to patient's weight
- | Small size, quiet operation
- | Static / dynamic mode
- | START / STOP system
- | Acoustic and visual alarm
- | Keypad lock
- | Cell pressure alternation in 4 cycles 5, 10, 15 or 20 minutes
- | Integrated holder for the bed end

Pump dexos® autoplus XXL

- | Exclusively for mattresses of arsos® light range
- | For increase of mattress loading capacity up to 250 kg
- | Automatic pressure adjustment according to patient's weight
- | Small size, quiet operation
- | Static / dynamic mode
- | START / STOP system
- | Acoustic and visual alarm
- | Keypad lock
- | Cell pressure alternation in 4 cycles 5, 10, 15 or 20 minutes
- | Integrated holder for the bed end

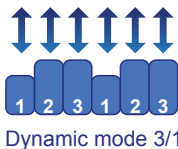


arsos® bariatric

Anti-decubitus system arsos® bariatric is specially designed for bariatric bed TITAN. The system is fully optimized with regard to the high requirements of bariatric patients. Patented hybrid air-foam technology brings support to prevention and treatment of pressure sores of IV. degree according to EPUAP for patient weighing up to 450 kg. Thanks to low thickness of the mattress, which is only 12 cm, function of the side rail is fully maintained and patient is protected from falling in each position of the bed. Unique connection of mattress cells allows automatic mattress length extension or shortening together with the length of the patient area of the bed.

Mattres details

- | Anti-decubitus system supporting prevention and treatment of pressure sores of IV. degree according to EPUAP
- | Especially designed for bariatric bed TITAN
- | Intended for patients weighing up to 450 kg
- | Automatic length extension and shortening together with the length of patient area
- | Width variants 100 and 120 cm
- | Can be used as a passive foam mattress with prevention of II. degree of pressure sores development risk
- | 12 individually exchangeable air foam cells
- | Three-cell system of alternating pressure
- | CPR valve
- | Reinforced edge of the mattress to facilitate getting out of bed
- | The mattress is designed for direct placing on the bed grid
- | Elastic, water resistant and breathable cover
- | Possibility of inflating the mattress with the lying patient



TECHNICAL PARAMETERS	Degree of pressure ulcers	Suitable for beds with the width of	Length	Thickness	Load capacity	Dynamic mode of pressure alternation	Cycle time	The need for mattress pads
soft air® simplex wds	II.	90 cm	200 cm	12,5 cm	140 kg	2/1	10 min	yes
soft air® wds	III.	90 cm	200 cm	13,5 cm	140 kg	3/1	5, 10, 15, 20 min	yes
soft air® cumulus wds	III.	90 cm	200 cm	13,5 + 5 cm*	140 kg	3/1	5, 10, 15, 20 min	not (foam core mattress)
soft air® plus wds	IV.	90 cm	200 cm	16,5 + 5cm*	140 kg	3/1	5, 10, 15, 20 min	not (foam core mattress)

* part of the mattress is a PUR foam pad

TECHNICAL PARAMETERS	Degree of pressure ulcers	Suitable for beds with the width of	Length	Thickness	Load capacity	Dynamic mode of pressure alternation	Cycle time	The need for mattress pads	Pump
arsos® light	IV.	90, 85 cm	200 cm	12 cm**	180 kg	3/1	5, 10, 15, 20 min	not (foam core mattress)	dexos® light, dexos® autoplus***
arsos® light XXL	IV.	90, 85 cm	200 cm	12 cm**	250 kg	3/1	5, 10, 15, 20 min	not (foam core mattress)	dexos® autoplus XXL
arsos® soft	IV.	90 cm	200 cm	12 cm**	100 kg	3/1	5, 10, 15, 20 min	not (foam core mattress)	dexos® light, dexos® autoplus***
arsos® bariatric	IV.	100, 120 cm	190 - 210 cm	12 cm**	450 kg	3/1	5, 10, 15, 20 min	not (foam core mattress)	dexos® bariatric

** part of the mattress is a PUR foam core

*** choice of pump with automatic or manual adjustment of pressure

ver. 2015/01

PROMA REHA, s.r.o.
Riegrova, 552 03 Česká Skalice, Czech Republic, EU
Tel.: +420 491 112 233, e-mail: info@promareha.cz



EUROPEAN UNION
European Regional Development Fund
Operational Programme Enterprise and Innovations for Competitiveness



Active anti-decubitus mattresses provide an effective solution to combat pressure ulcer development. Compared to conventional passive mattresses the patient's body is not supported still in same places, but thanks to the use of a dynamic pressure alternation in individual parts of the mattresses, there is a reduction of the pressure on patient's tissue with adequate perfusion. Active systems are a significant tool especially in care of long term lying patients, patients in serious condition, unconscious or immobile patients.

ACTIVE ANTI-DECUBITUS SYSTEMS arsos®

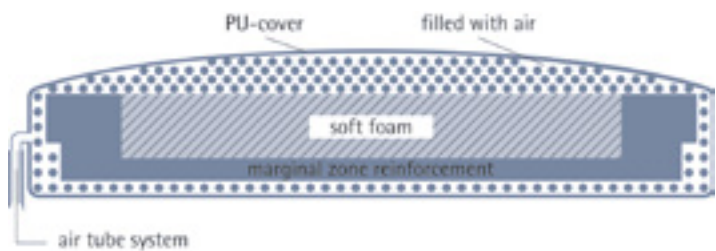
Mattress with patented hybrid air foam system for the prevention and treatment of pressure ulcers up to stage IV according to degree of risk by EPUAP. The system combines passive mattress up to stage II and active mattress up to stage IV of degree of risk. Mattresses range arsos® combines in itself the best features of both systems. Compare to an air system alone this unique concept of foam reinforcement inside each cell brings a flatter shape of the chamber. This allows optimum weight distribution of the patient over a larger area, thus reducing pressure on the skin. Due to placement of chambers flatwise the overall mattress height is only 12 cm. Mattress height then reaches a height of commercially available passive mattresses. This ensures compliance with safety requirements of EN 60601-2-52 on height of side rails for adequate protection of the patient from falling even on beds with lower side rails. This requirement specifies the minimum height of the side rails over the uncompressed mattress to 22 cm. The ability to operate in a deflated state as a passive mattress greatly facilitates acute patient admission, where prior preparation is required. The mattress is also possible to inflate even with a lying patient. This is invaluable particularly in the case of acute resuscitation when subsequently it is not necessary to manipulate with the patient to achieve normal operation of the mattress. An indisputable advantage of the mattress series arsos® is also the fact that, if there was a mechanical damage to the mattress, it is not necessary to stop using it. The patient remains lying on a foam mattress with prevention of pressure ulcers up to stage II. Active anti-decubitus mattresses of the arsos® range are suitable for hospital bed departments, ICU and medical organizations and social care providers with patient groups at risk.

10 REASONS WHY TO CHOOSE arsos®

1. unique air foam mattress system
2. support of treatment of pressure ulcers up to stage IV
3. automatic pressure adjustment according to patient weight
4. better pressure distribution due to flat shape of cells
5. possibility of inflation with lying patient
6. low vibrations thanks to the foam mattress core
7. simple and easy maintenance
8. mattress thickness only 12 cm
9. high load capacity up to 250 kg
10. pressure alternation system 3/1



SLICE CELL OF MATTRESS arsos®

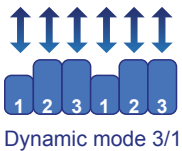


arsos® light

Unique hybrid air foam mattress for the prevention and treatment of pressure ulcers up to stage IV according to degree of risk by EPUAP. The system combines passive mattress up to stage II and active mattress up to stage IV of degree of risk. Mattresses range arsos® combines in itself the best features of both systems. The patented concept of the mattress offers unique features and the highest degree of protection against the risk of pressure ulcers, while maintaining mattress height of only 12 cm.

Mattres details

- | Patented hybrid air foam system
- | For prevention and treatment of pressure ulcers of high risk
- | 10 individually exchangeable air foam cells
- | Elastic, water repellent and breathable cover
- | Suitable for patients weighing up to 250 kg
- | Three-cell system of alternating pressure
- | CPR valve
- | Reinforced edge of the mattress to facilitate getting out of bed
- | The mattress is designed for direct placing on the bed grid
- | Can also be used as a foam mattress with prevention of pressure ulcers up to stage II
- | Possibility of inflating the mattress with the patient lying
- | Can be used with pumps dexos® light or dexos® autoplus
- | Dimensions 200 x (90 or 85) x 12 cm



ACTIVE ANTI-DECUBITUS SYSTEMS soft air®

The standard concept of active air mattresses of the soft air® range brings solutions to prevent development of pressure ulcers from low to the highest risk of pressure ulcer development. Soft air® systems evenly distribute the pressure exerted on the patient. In combination with dynamic mode of pressure alternation in individual cells they significantly reduce the risk of pressure ulcers. The mattresses are suitable for prevention and treatment of pressure ulcers in hospitals and ICU healthcare organizations and for providers of social care.

soft air® simplex wds

Anti-decubitus mattress soft air® simplex wds is intended for the prophylaxis and treatment of pressure ulcers up to stage II according to EPUAP. Optimal pressure distribution is provided by 21 active air cells. A significant advantage of this mattress is its easy setup and quick use.

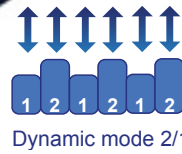
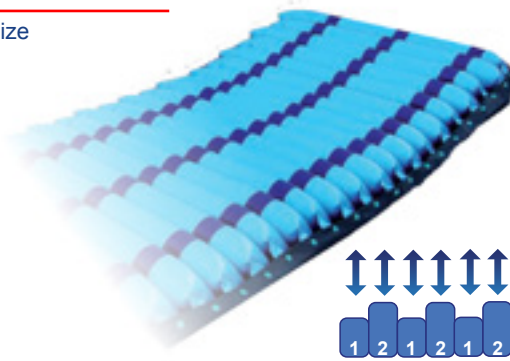
System details

- | Two-cell system of alternating pressure
- | Suitable for patients weighing up to 140 kg
- | 21 individually exchangeable air cells
- | 3 static cells beneath the patient's head
- | Elastic, water repellent and breathable cover
- | The mattress is designed for direct placing on the bed grid
- | CPR valve
- | Dimensions 200 x 90 x 12,5 cm



Pump details

- | Extremely quiet operation and small size
- | Static / dynamic mode
- | A fixed cycle of 10 minutes
- | Quiet operation and AVS (Anti-Vibration-System)
- | START / STOP system
- | Manual mattress pressure adjustment in 5 levels according to patient's weight
- | Integrated holder for the bed end



soft air® wds

Overlay anti-decubitus mattress soft air® wds is intended for the prophylaxis and treatment of pressure ulcers of medium risk up to high risk - stage III (EPUAP). Optimal pressure distribution is provided by 17 active air cells. The mattress can be used in combination with conventional passive mattress or foam pad.

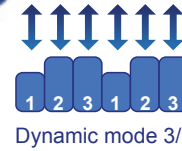
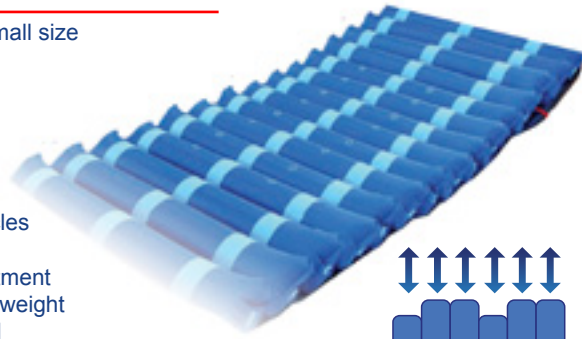
System details

- | Three-cell system of alternating pressure
- | The middle eight cells with patient aeration system
- | Suitable for patients weighing up to 140 kg
- | 17 individually exchangeable air cells
- | 3 static cells beneath the patient's head
- | Elastic, water repellent and breathable cover
- | CPR valve
- | Dimensions 200 x 90 x 13.5 cm



Pump details

- | Extremely quiet operation and small size
- | Static / dynamic mode
- | Acoustic and visual alarm
- | Keypad lock
- | Quiet operation and AVS (Anti-Vibration-System)
- | START / STOP system
- | Cell pressure alternation in 4 cycles 5, 10, 15 or 20 minutes
- | Manual mattress pressure adjustment in 8 levels according to patient's weight
- | Integrated holder for the bed end



soft air® cumulus wds

Anti-decubitus mattress cumulus wds of the soft air® range supports and protects patients from developing pressure ulcers up to stage III according to the degree of risk by EPUAP. 16 active air cells of the mattress are placed on an integrated foam pad. The mattress can be placed directly onto the loading surface of the bed.

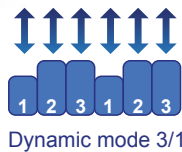
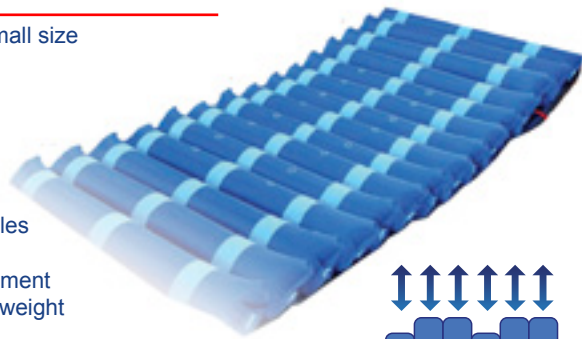
System details

- | Three-cell system of alternating pressure
- | The middle eight cells with patient aeration system
- | Suitable for patients weighing up to 140 kg
- | 16 individually exchangeable air cells
- | 3 static cells beneath the patient's head
- | Elastic, water repellent and breathable cover
- | The mattress is designed for direct placing on the bed grid
- | CPR valve
- | Dimensions 200 x 90 x 13.5+5 cm



Pump details

- | Extremely quiet operation and small size
- | Static / dynamic mode
- | Acoustic and visual alarm
- | Keypad lock
- | Quiet operation and AVS (Anti-Vibration-System)
- | START / STOP system
- | Cell pressure alternation in 4 cycles 5, 10, 15 or 20 minutes
- | Manual mattress pressure adjustment in 8 levels according to patient's weight
- | Integrated holder for the bed end



soft air® plus wds

Anti-decubitus air mattress soft air® plus wds is the highest range of soft air® mattresses intended for the prophylaxis and treatment of pressure ulcers of the highest level of risk - stage IV (EPUAP). Optimal pressure distribution is provided by 19 active air cells. At the bottom of the mattress there is an integrated foam pad that allows direct use of the mattress on the bed grid.

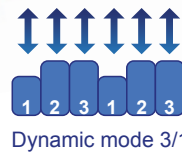
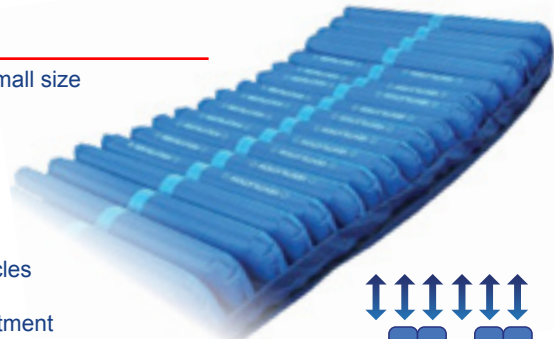
System details

- | Three-cell system of alternating pressure
- | The middle eight cells with patient aeration system
- | Suitable for patients weighing up to 140 kg
- | 19 individually exchangeable air cells
- | 3 static cells beneath the patient's head
- | Elastic, water repellent and breathable cover
- | CPR valve
- | Dimensions 200 x 90 x 16.5+5 cm



Pump details

- | Extremely quiet operation and small size
- | Static / dynamic mode
- | Acoustic and visual alarm
- | Keypad lock
- | Quiet operation and AVS (Anti-Vibration-System)
- | START / STOP system
- | Cell pressure alternation in 4 cycles 5, 10, 15 or 20 minutes
- | Manual mattress pressure adjustment in 5 levels according to patient's weight
- | Integrated holder for the bed end



Pro Air 200

Basic anti-decubitus air mattress designed for prevention of low level of the risk of pressure ulcer development. The Pro Air 200 is used as an overlay mattress and is compatible with all types of passive mattresses. The mattress is the ideal solution for prevention of pressure ulcers in home and long-term care.

System details

- | Bubble structure
- | Continuously adjustable pressure
- | 10 minute pressure change cycle
- | Suitable for patients weighing up to 100 kg

Pump details

- | Continuously adjustable pressure
- | 10 minute pressure change cycle
- | Quiet operation and AVS (Anti-Vibration-System)
- | Low noise <30 db



Lenos® Light

The underlying system Lenos® Light allows lateral positioning, suitable for kinetic therapy at increased risk of pulmonary complications. With continuous lateral rotation there is a significant improvement in oxygen supply for patients connected to mechanical ventilation. At the same time, the system can be used to facilitate positioning of patients. Lenos® Light can significantly improve performance of medical beds. The system is suitable for all types of active and passive mattresses.

System details

- | Separate underlying system
- | 30° range of lateral tilt
- | For prophylaxis and support for patients with a high risk of developing pressure ulcers
- | Two longitudinal chambers
- | Load capacity depending on overlay mattress up to 250 kg
- | CPR valve
- | The underlying system is designed for direct placing on the bed grid

Pump details

- | Extremely quiet operation and small size
- | START / STOP system
- | Angle adjustable tilt
- | Quiet operation and AVS (Anti-Vibration-System)
- | Selection of 1 and 2 hour patient rotation cycle
- | Integrated holder for the bed end

