PRESSURE CARE

Product Portfolio

LINET

3-Cell Alternating





2-Cell Alternating

Optimal Immersion





Passive Mattresses

Hybrid Systems



Solutions for Pressure Injury Prevention Support

PRESSURE INJURIES

The use of mattresses is included in nearly all evidence-based clinical practice guidelines as a component of comprehensive pressure injury prevention programs and treatment recommendations.



1 of 10 patients
worldwide develop pressure injury.[2]

4 %
of annual healthcare budget spending is related to pressure injuries.[1]

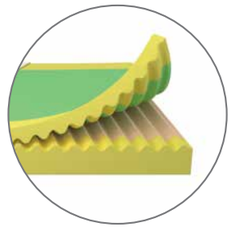
73 %
of pressure injuries is possible to prevent.[3]

OVERVIEW OF MATTRESS SYSTEMS

Passive Mattresses

Various foam types and designs to improve pressure redistribution through immersion and envelopment.

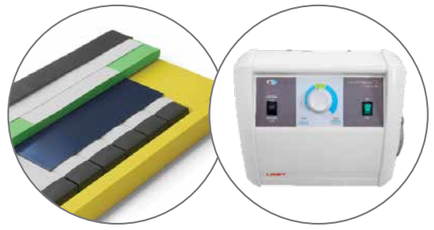
— Designed to improve pressure distribution according to the patient's position and movement



A combination of the highest quality foams, especially for high-risk areas.

Hybrid Systems

Foam/air hybrids offer active and passive system in one. Support easy step up and down of care based on patient's condition.



Passive part of the system.

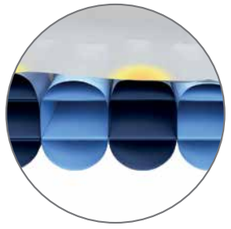
Active part of the system.

Active Systems

2-Cell Alternating

Alternatering Pressure Systems are designed to prevent any part of the body from being subjected to sustained pressure by alternating the parts of the body that are loaded at any one time.

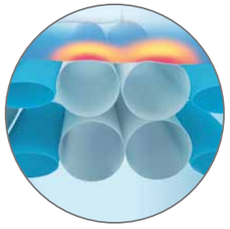
— Cell deflation of 2-cell systems covers 50 % of the body's surface area at any one time



In a 2-cell system, every alternate cell inflates while the intermediate cells deflate.

3-Cell Alternating

— The 3-cell system allows for 66 % of the body's surface to always be supported and 33 % to be completely offloaded



In a 3-cell system, one in three cells deflates at any given time.

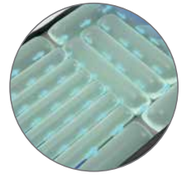
Optimal Immersion

Constant low pressure mattresses are active mattresses that provide pressure redistribution. This is achieved by reducing the air pressure in the cells to a level that both supports the patient and immerses them into the mattress to increase the contact surface area.

Pressure redistribution is the consequence of two mechanisms:

— Immersion – the ability to sink into a support surface

— Envelopment – The ability of a support surface to wrap around the shape of the body[4]



Optimal immersion reduces the risk of bottoming out.







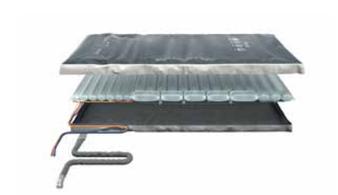




ACTIVE AND HYBRID MATTRESSES

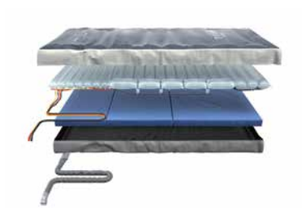
3-Cell Alternating Systems

VIRTUOSO OVERLAY



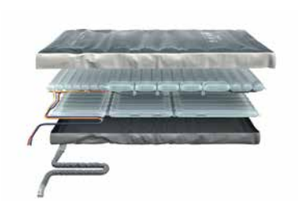
- Periodic Pressure Relief
- APT, CLP and MCM in one

VIRTUOSO 50



- Alternating Air + Foam layer
- APT, CLP and MCM in one

VIRTUOSO 100



Alternating Air + Static Air layer
- APT, CLP and MCM in one

2-Cell Alternating Systems

AIR2CARE 5 OVERLAY

Value



- Periodic Pressure Relief

AIR2CARE 6



- Periodic Pressure Relief
- Availability of Prone Nursing

AIR2CARE 8



- Periodic Pressure Relief
- Availability of Prone Nursing
- Max patient weight up to 250 kg

Optimal Immersion

OPTICARE



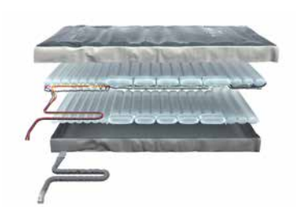
- Integrated system into Muticare bed
- Optimal Immersion
- Microclimate Maintenance

OPTICARE X



- Integrated system into Muticare X bed
- Optimal Immersion
- Prone Nursing Mode
- Microclimate Maintenance

VIRTUOSO 200



- Zero Pressure
- Alternating Air + Alternating Air layer
- APT, CLP and MCM in one

VIRTUOSO 300



- Zero Pressure
- Head & Heel Offloading
- APT, CLP and MCM in one

VIRTUOSO PRO



- Prone Nursing
- Wound Offloading
- APT, CLP and MCM in one

AIR2CARE 6 IN



- Periodic Pressure Relief
- Availability of Prone Nursing
- Integrated System into Essenza 300 bed

AIR2CARE 8 IN



- Periodic Pressure Relief
- Availability of Prone Nursing
- Integrated System into Essenza 300 bed

Hybrid Systems

HYBRIMATT 100 IN



- Active and Passive System in One
- Integrated System into Essenza 300 bed

HYBRIMATT 100



- Active and passive system in one

HYBRIMATT 200



- Active and passive system in one
- Microclimate Management

PASSIVE MATTRESSES

Premium

VISKOMATT 50

2 layer foam
(viscoelastic and cold)



190 kg

- Edge Zone Reinforcement
- Welded seams

VISKOMATT 30

2 layer foam
(viscoelastic and cold)



165 kg

- Edge Zone Reinforcement
- Welded seams

VISKOMATT 10

2 layer foam
(viscoelastic and polyether)



150 kg

- Edge Zone Reinforcement
- Welded seams

Premium

VISKOMATT 30B

3 layer foam
(viscoelastic, cold and polyether)



285 kg

- Edge Zone Reinforcement
- Sewn seams

VISKOMATT 10B

3 layer foam
(viscoelastic, polyether and polyether)



235 kg

- Edge Zone Reinforcement
- Sewn seams

Advanced

MEDIMATT 30

2 layer foam
(cold and polyether)



150 kg

- Edge Zone Reinforcement
- Sewn seams

Value

EFFECTACARE 10

Monoblock foam



110 kg

- Convoluted profiled surface
- Sewn seams

EFFECTACARE 20

Monoblock foam



150 kg

- Partial profiled surface
- Sewn seams

PRIMACARE 10

Monoblock foam



200 kg

- Full profiled surface
- Sewn seams

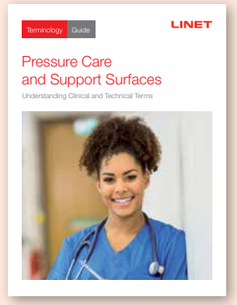
UNDERSTANDING CLINICAL AND TECHNICAL TERMS

LINET guides and international resources are intended to help readers understand support surfaces and technologies so clinical staff and organizations can select product solutions that best suit their patients and their facility.

Pressure Care and Support Surfaces

—Clinical Terminology

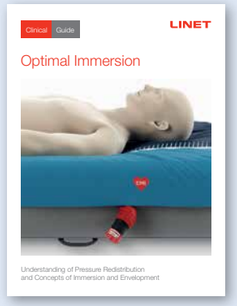
—Support Surface Related Terminology



Optimal Immersion

—Pressure Redistribution Principles

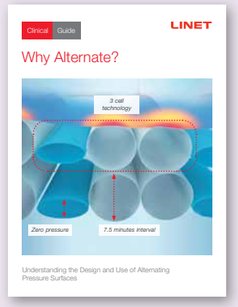
—Important Concepts of Immersion, Envelopment, Critical Immersion and Optimal Immersion



Why Alternate?

—Performance of Alternating Pressure Mattresses

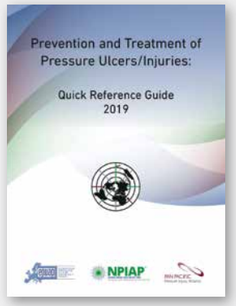
—Different Design Options eg. 2-Cell and 3-Cell Sytems



Resources

—Learn more about strategies based on recent updates and guidelines

www.epuap.com



MATTRESSES SPECIFICATIONS

FEATURE / PRODUCT			PASSIVES	"HYBRIMATT FAMILY"	"AIR2CARE FAMILY"	"VIRTUOSO FAMILY"	"OPTICARE FAMILY"
Therapy mode	Active	2 cell alternating	–	●	●	–	–
		3 cell alternating	–	–	–	●	–
		cycle duration (min)	–	10, 12, 15, 20, 25	10, 15, 20, 25	7,5	–
		zero pressure	–	–	–	●	–
		optimal immersion	–	–	–	–	●
	Reactive	(e.g. viscoelastic foam)	●	●	–	–	–
Constant low pressure mode			–	●	●	●	●
Automatic pressure setting			–	–	●	–	●
Microclimate Maintenance			–	●	–	●	●
Extra support against bottoming out while sitting			–	–	Fowler boost	Fowler boost	Optimize mode
Integrated mattress			–	●	●	–	●
Mattress replacement			●	●	●	●	–
Mattress overlay			–	–	●	●	–
Active seat cushion			–	–	●	●	–
Category of Pressure Injuries			I-IV	I-IV	I-IV	I-IV	I-IV

– No ● Yes

References

1. Wounds UK. 2023. Advances in pressure ulcer prevention and treatment Made Easy - Wounds International
2. Li Z, Lin F, Thalib L, et al. 2020. Global prevalence and incidence of pressure injuries in hospitalised adult patients: A systematic review and meta-analysis. International Journal of Nursing Studies. 105:103546
3. Moore Z. 2023. Patient safety & Pressure ulcers: EWMA policy paper. EWMA journal.13 (1) https://ewma.org/

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