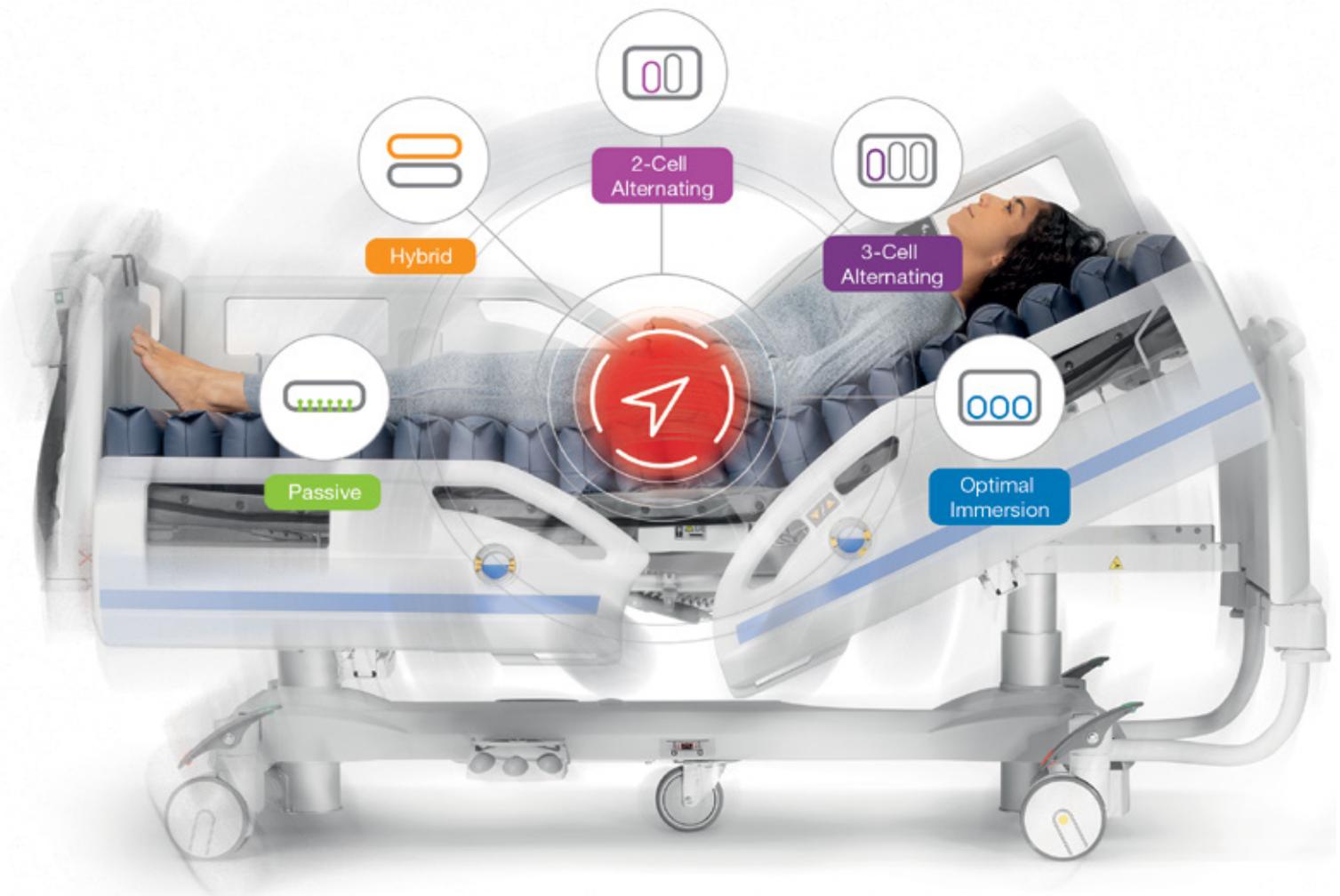


SUPPORT SURFACES

Pressure Care Navigator

LINET



Technologies for Pressure Injury Prevention Support

Pressure Injuries

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



2.5 million

patients per year develop
a pressure injury(1)





60,000

patients die every year as a direct result of pressure injuries(2)



2.5× more

expensive to treat pressure injuries than to prevent them(3)

Choose the Right Surface

		PATIENT			
			Mobile		
PRESSURE INJURIES	Category of existing pressure injury	III. - IV.			
		I. - II.			
	Risk level	High			
		Medium		Advanced Passive MediMatt	Premium Passive ViskoMatt
		Low	Value Passive EffectaCare, PrimaCare		

MOBILITY RATE



Overview of Surfaces

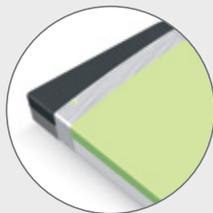
Passive Foam Support Surfaces



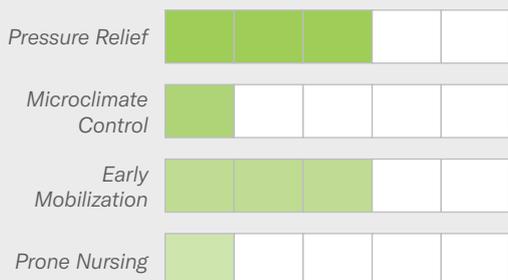
Passive

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.



Foam of passive mattresses is a flexible material formed with pockets of air.

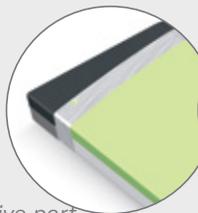


Hybrid Systems



Hybrid

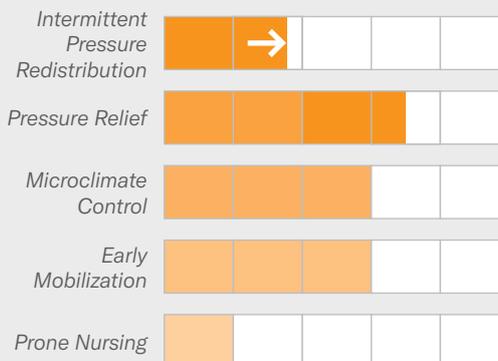
Foam/air hybrids function as a passive mattress when there is no active power source but can be converted into an active system with power source.



Passive part of the system



Active part of the system



2-Cell Air



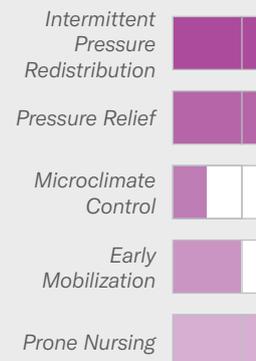
2-Cell

Alternating cells are designed so any part of the body being subjected to pressure by alternating cells of the body that are loaded and unloaded.

- Cell deflation of 2-Cell system reduces 50% of the body's weight one time



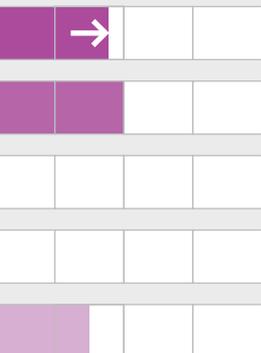
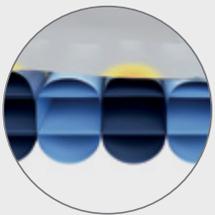
In a 2-cell system, every alternate cell inflates while the intermediate cells deflate.



Active Systems

Alternating

Alternating Pressure Systems are designed to prevent any part of the body from being subjected to sustained pressure. The parts of the body that are loaded at any one time. A 3-cell system covers 66% of the body's surface area at any one time.



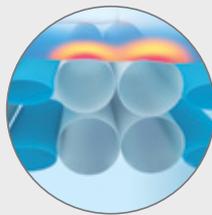
3-Cell Alternating



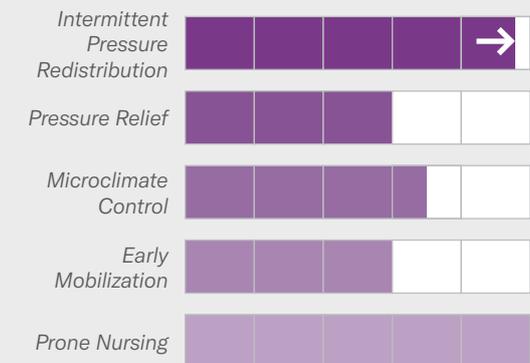
3-Cell

Alternating 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.

- 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

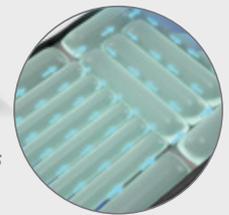


Optimal Immersion

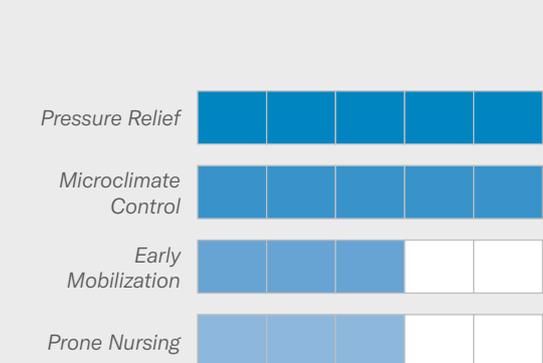
Constant low pressure mattresses are active mattresses that provide pressure redistribution. This is achieved by reducing the air pressure in the cells to a level that both supports the patient and immerses them into the mattress to increase the contact surface area.

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 provides the optimal pressure redistribution without a risk of bottoming out.



Active and Hybrid Mattresses

Optimal Immersion



Optimal Immersion

Opticare

Advanced Optimal Immersion



- Integrated System
- Optimal Immersion
- Microclimate Management

Opticare X

Premium Optimal Immersion



- Integrated System
- Optimal Immersion
- Prone Nursing Mode
- Microclimate Management

3-Cell Alternating Systems



3-Cell

Virtuoso Overlay

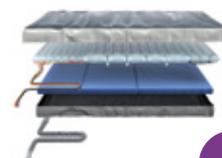
Value 3-Cell Alternating



- Zero Pressure
- APT, CLP and MCM in one

Virtuoso 50

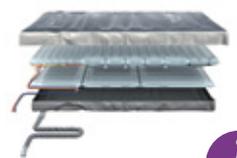
Value 3-Cell Alternating



- Zero Pressure
- APT, CLP and MCM in one

Virtuoso 100

Advanced 3-Cell Alternating



- Zero Pressure
- APT, CLP and MCM in one

Hybrid Systems



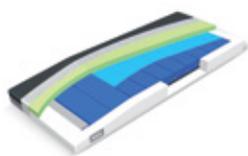
2-Cell



Hybrid

Clinicare 100 HF

Advanced Pressure Redistribution



- Active and Passive System in One
- Microclimate Management

2-Cell Alternating Systems

Air2Care 5 Overlay

Value 2-Cell Alternating



- Periodic Pressure Relief

Air2Care 6

Advanced 2-Cell Alternating

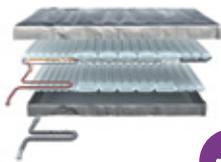


- Periodic Pressure Relief
- Availability of Prone Nursing



Virtuoso 200

Advanced 3-Cell Alternating



- Zero Pressure
- APT, CLP and MCM in one

Virtuoso 300

Premium 3-Cell Alternating



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

Virtuoso PRO

Premium 3-Cell Alternating



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

Air2Care 8

Premium 2-Cell Alternating



- Periodic Pressure Relief
- Availability of Prone Nursing
- SWL up to 250 kg

Air2Care 10

Advanced 2-Cell Alternating



- Periodic Pressure Relief
- APT, CLP, MAX

Air2Care 20

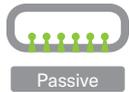
Premium 2-Cell Alternating



- Periodic Pressure Relief
- APT&CLP in One

Passive Mattresses

Premium



ViskoMatt 10

2 layer foam
(viscoelastic and polyether)



150 kg

- Edge Zone Reinforcement
- Welded seams

ViskoMatt 30

2 layer foam
(viscoelastic and cold)



165 kg

- Edge Zone Reinforcement
- Welded seams

ViskoMatt 50

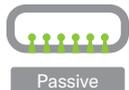
2 layer foam
(viscoelastic and cold)



190 kg

- Edge Zone Reinforcement
- Welded seams

Advanced



MediMatt 30

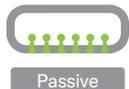
2 layer foam
(cold and polyether)



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

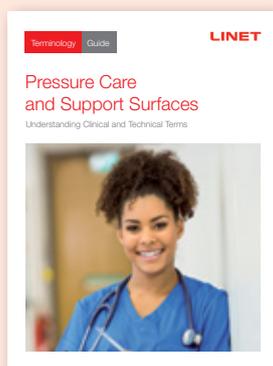
- Full profiled surface
- Sewn seams

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.

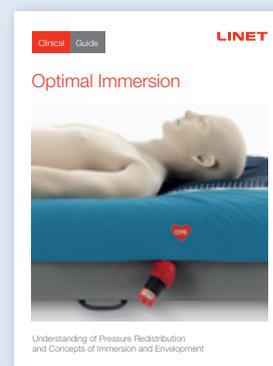
Pressure Care and Support Surfaces

- Clinical Terminology
- Support Surface Related Terminology



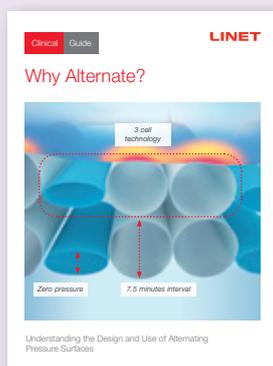
Optimal Immersion

- Pressure Redistribution Principles
- Important Concepts of Immersion, Envelopment, Critical Immersion and Optimal Immersion



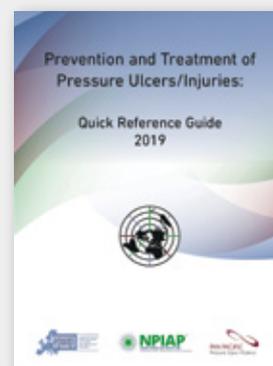
Why Alternate?

- Performance of Alternating Pressure Mattresses
- Different Design Options eg. 2-Cell and 3-Cell Systems



Resources

- Learn more about strategies based on recent updates and guidelines
- www.epuap.com



References

(1–3) Pressure Injury Fact Sheet, NPIAP, www.npiap.com

(4) European Pressure Ulcer Advisory Panel, National Pressure Injury Advisory Panel and Pan Pacific Pressure Injury Alliance. Prevention and Treatment of Pressure Ulcers/Injuries: Clinical Practice Guideline. The International Guideline. Emily Haesler (Ed.). EPUAP/NPIAP/ PPIA; 2019.



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