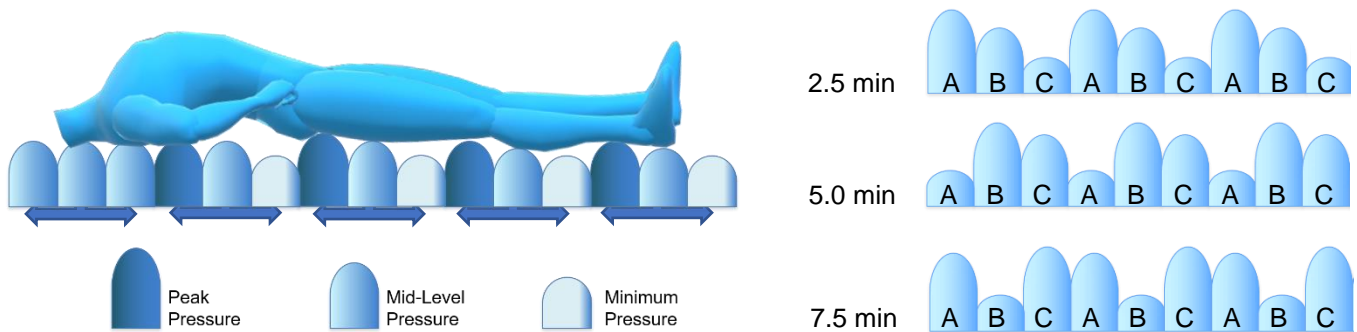




Indicated for
Prevention thru
Stage III, IV,
Flaps, Grafts

True3 Digital TRI-PHASIC Technology

Most current support surfaces (Low Air Loss, Air Fluidized) are immersion technologies – pressure reduction through body mass distribution. True3 Digital Systems are based on TRI-PHASIC, Multiple Cell Alternating Technology – True Offloading by Sequential Pressure Relief. It is Important to know the differences in these technologies to effectively evaluate these systems.



TRI-PHASIC, Multiple Cell Alternating Technology

The True3 Digital Mattress System does not function by “immersion” for standard body mass distribution of pressure. Instead, pressure alternates cyclically through a series of 3-cell groupings throughout the mattress system. The True3 Digital System TRI-PHASIC Technology employs a 3-Cell alternating cycle (A – Peak Pressure, B – Midlevel Pressure, and C – Minimum to Zero Pressure) which automatically changes the pressure in the cells every 2.5 minutes. This TRI-PHASIC Alternation ensures that one-third of the body has pressure relief every 2.5 minutes (full body pressure relief every 7.5 minutes).

Cyclical pressure alternation helps to prevent prolonged, damaging capillary occlusion and to stimulate the flow of blood (reactive hyperemia) and lymphatic fluids to provide oxygen and remove waste.

TRI-PHASIC pressure alternation provides the Support and the Offloading that allows the patient to be placed “on the system” instead of “in the system”. True3 systems support the patient normally so that the neck, spine, and pelvis can remain in a more natural position. This relieves the back, hip, and neck pain that can result from skeletal misalignment in patients lying down within “immersion” systems.

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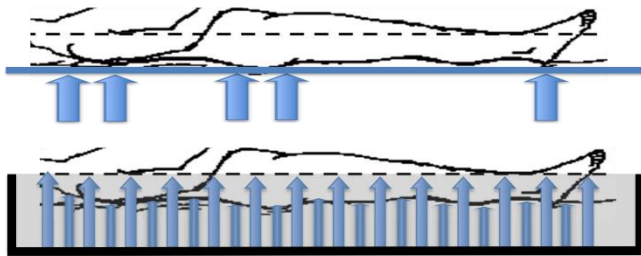
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Why True3 Digital Mattress Systems are NOT like traditional Low Air Loss, Fluid Immersion, or Air Fluidized Technology.

All of the three current support surface technologies listed above are immersion technologies (sinking a patient into a surface) based on pressure reduction through body mass distribution (“Reactive”). True3 Digital Mattress Systems employ TRI-PHASIC Alternating Pressure technology based on true offloading through sequential, cyclical pressure relief (“Active”). It is Important to know the differences in these classifications to effectively evaluate the systems.

BODY MASS DISTRIBUTION (IMMERSION TECHNOLOGY)

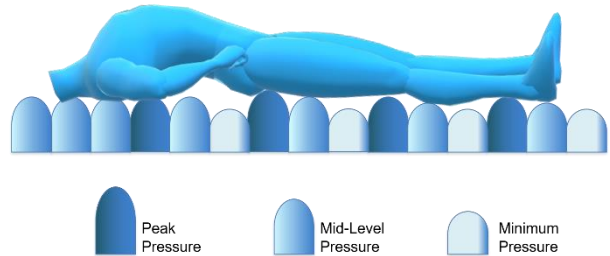
- **NOT** PRESSURE OFFLOADING – PRESSURE REDISTRIBUTION
- CONSTANT PRESSURE ON ALL SURFACES – **REACTIVE TECHNOLOGY**



“REACTIVE” SUPPORT SURFACE

TRI-PHASIC SEQUENTIAL PRESSURE ALTERNATION

- SEQUENTIAL PRESSURE OFFLOADING DOWN TO ZERO PRESSURE
- VARIABLE PRESSURE ON ALL SURFACES – **ACTIVE TECHNOLOGY**



“ACTIVE” SUPPORT SURFACE

Industry Experts & the NPUAP classify support surfaces as “Reactive” or “Active”.

“Reactive” systems are defined as those systems (powered or unpowered) that are designed to increase the area of the body in contact with the surface by immersion. The patient sinks into the mattress like in a hammock. This often creates neck, hip and back pain (because of the unnatural curvature of the spine and pelvis) causing the patient to be uncomfortable. This discomfort can result in lowered patient compliance and may even require pain medication to manage. Pressure is redistributed for pressure reduction, but **PRESSURE is CONSTANT** unless the patient is moved. **PRESSURE is NEVER** reduced to zero.

“Active” systems are defined as those systems (always powered) that are designed to make periodical changes in pressure regardless of patient movement. In addition to pressure reduction, these cyclical pressure changes provide True Offloading through sequential pressure relief.

True 3 Digital Mattress Systems are designed on the **“Active”** model. They provide cyclical, sequential changes in pressure to the patient’s skin by employing TRI-PHASIC Alternating Technology to automatically change the patient interface pressures every 2.5 minutes. One-third of the body experiences pressure relief every 2.5 minutes (the entire body experiences pressure relief every 7.5 minutes). This cycle allows for the body to be sequentially offloaded 8 times per hour. **PRESSURE is NOT CONSTANT.** **PRESSURE is sequentially REDUCED to ZERO.**

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