



1ST DEFENSE

Dynamic Hybrid Pressure
Redistribution Mattress System

The “New” Alternative To Your
Standard Alternating Pressure Mattress

The most recent studies continue to show the major complaints from residents on an alternating pressure mattress system are:

- The bladder system surface is extremely uncomfortable.
- They feel unsafe due to the constant movement of the mattress.
- They cannot easily position themselves or get out of bed.

The 1st Defense System reduces or eliminates each of these issues. The ultra-high resilient foam insert placed inside the pocket under the top cover:

- Provides a more comfortable sleeping surface.
- Reduces drastic drops/changes during the alternating cycles.
- Provides a buffer in between each bladder allowing the resident to easily move in or out of the bed.



FEATURES:

- Dynamic pressure redistribution mode and low air loss therapy.
- High density/resilient foam insert creates a comfortable pressure redistribution support surface.
- Foam insert slopes from 2" to 1" offering added pressure redistribution in the vulnerable heel area.
- Top cover insert pocket protects the foam from contamination.
- Air flow dial offers custom patient pressure levels.
- Dynamic pressure pump is preset to alternate at a 10-minute cycle time.
- Static mode provides a firm surface for egress and ingress from the mattress.
- Nylon top cover is waterproof, vapor permeable, low shear, and anti-microbial.
- Optional: Foam raised side rails available.
- HCPCS Code: E0277

Weight Capacity: 350 lbs. | Warranty: 2 Year Non-Prorated | Item#: 82030 | Size: 36"x80"x7"

AVERAGE INTERFACE PRESSURES, mmHg - SUBJECT: MALE / 5' 9" / 170 LBS.

Scapula Max	Scapula Min	Sacral Max	Sacral Min	Heel Max	Heel Min	Trochanter Max	Trochanter Min
22.7	17.8	17.2	13.7	18.3	11.6	33	20.8
delta	-4.9	delta	-3.5	delta	-6.7	delta	-12.2

An Xsensor pressure mapping system was employed for conducting this evaluation. The pump was set to the median position of the air flow range. Two positions were employed: back lying and ninety-degree side lying. A 5-minute acclimation period was observed prior to the actual measurement period. Once the initial acclimation time was over, a 10-minute measurement period commenced. Pressure scans were obtained every 2 seconds for the duration of the measurement period. A 4" by 4" area representing 64 individual sensors was used to isolate and average the pressure points. The maximum average and the minimum average values were obtained from each individual pressure point.

** Independently tested by Element Materials Technology.*

FOR MORE INFORMATION, PLEASE CALL OR VISIT:

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