



Quart HEALTHCARE WEST
ahead of the curve



Key Questions during assessment:

- ~ Is sweating/moisture a concern, requiring a mattress with high air flow?
- ~ Do I need a warm or cool sleep surface?
- ~ Are deformities/contractures of concern? If so, how much immersion do I need?
- ~ Does my client frequently have the head of the mattress raised? Is bottoming-out a concern?
- ~ What happens if there is a power failure?
- ~ What is the mattress weight capacity?

www.quarthealthcare.com

Braden Scale for Predicting Pressure Injury Risk

Find out more about using the Braden Scale

<https://www.clwk.ca/buddydrive/file/guideline-braden-risk-assessment/>

Standard Equipment

Dynamic Low Air Loss – Topaz 8 Plus and Diamond 8 Plus are Micro-low air loss. DynaLAL III and Turn System are ‘true’ low air loss.

Puncture Resistant Materials – Air cells, connectors and hoses are all fabricated using flexible, long-lasting materials, ensuring trouble-free performance.

Modular Design – Individual mattress components can be quickly replaced on-site if required.

Auto Firm Mode – All mattresses include a Max or Auto Firm Mode, needed during transfers and some nursing care activities

Soft – Firm Pressure settings – All mattresses allow selection of variable firmness, ensuring optimal user comfort.

Auto Alarm – low pressure or power lost, alarm will sound.

Do you need to fit a wider or tall 84” bed?

Bolsters can be sewn into the mattress sides, making it fit any size bed. Head bolster helps fit tall 84” bed



Questions & Answers

What is Low Air Loss?

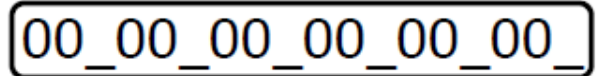
Excess moisture due to incontinence or perspiration from heat build-up is a potential source of skin breakdown. Controlled air outflow reduces moisture through evaporation, reducing risk of skin tearing/shearing.

What is Alternating Pressure?

Alternating air flow reduces pressure on load bearing areas of the body through controlled inflation/deflation of cells. One out of three air cells deflating leads to offloading, allowing improved capillary circulation.

Is there a Difference between Quart and Other Alternating Pressure Mattresses?

Quart mattresses employ ‘two thirds inflated’ operation. With 2/3 of the body always supported, lower pressures result under the user compared to mattresses employing ‘one half inflated’ mode. Remove the cover and look from the side of a Quart mattress.



What is the difference between Alternating Pressure and Pulsation technology?

Pulsation technology changes body surface loading by varying the inflation level of a support surface. Cells partially deflate, increasing and decreasing skin surface pressure, never completely unloading any part of the body surface.

What is Constant Low Pressure (CLP)?

CLP is one option available with Topaz 8 Plus, primarily used when clients cannot tolerate alternating pressure. Used with individuals experiencing hypersensitivity.

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Quart sleep surface products are intended for use by persons with a permanent disability

TOPAZ 8 PLUS

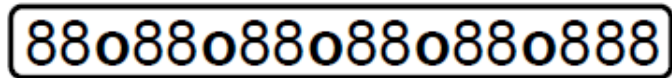
ALTERNATING PRESSURE AND MICRO LOW AIR LOSS

Braden Scale score between 14 – 18. If Moisture Score is 1 or 2, consider using DynaLAL III, providing higher air flow

Minimal moisture and/or cooling concerns

Air Loss Flow rate = 8 liters/min (lpm). Low flow rate ensures silent operation.

Air cell notes



Minimal physical deformity. Emersion in upper level. Upper layer of cells (4" deep) provide alternating pressure. Lower layer provides static air, preventing bottoming-out and providing 'Always-on Fowler function support'.

Less immersion compared to DynaLAL or Turn System.

Thinner 8" mattress thickness improves side rail fit.

Power outage? - Lower cells remain inflated for **up to 36 hours** following power failure.

Alternating Pressure Cycle time = 10 - 30 min as selected for complete 3 stage cycle time

Auto Firm - Returns to original settings after 20 min
Auto Memory Reset – Returns to previously selected settings when powered on
Lockout – Yes (prevents accidental tampering)

Need a simple 'automated' system

Auto Detection – Detects client weight and sets pressure for optimal performance.

Auto Pressure Adjustment – checks and readjusts pressure every 10 minutes

Softer surface - Adjustable to lower pressure may be accepted by individuals with hypersensitivity

Constant Low Pressure function – low pressure support without alternating pressure

Sizes – 36" x 80" x 8" (grow to 39, 42, or 48")

Weight Capacity 350 lb

Warranty – Includes 2 year warranty

DIAMOND 8 PLUS

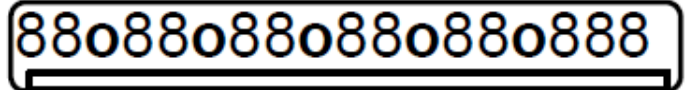
ALTERNATING PRESSURE AND MICRO LOW AIR LOSS

Braden Scale score between 14 – 18. If Moisture Score is 1 or 2, consider using DynaLAL III, providing higher air flow

Minimal moisture and/or cooling concerns

Air Loss Flow rate = 9 liters/min (lpm). Low flow rate ensures silent operation.

Air cell notes



Minimal physical deformity. Emersion in upper level. Upper layer of cells (4" deep) provide alternating pressure. Lower layer provides static air, preventing bottoming-out and providing 'Always-on Fowler function support'.

Less immersion compared to DynaLAL or Turn System.

1-1/2" soft foam base layer, 9-1/2" mattress thickness

Power outage? - Lower cells remain inflated for **up to 72 hours** following power failure.

2" flexible foam base - added safety if power is lost.
2 hour battery back-up ensures continuous operation during short term loss of power.

Alternating Pressure Cycle time = 21 min for complete 3 stage cycle time (7 min each stage)

Auto Firm - Returns to original settings after 30 min
Auto Memory Reset – Returns to previously selected settings when powered on
Lockout – Yes (prevents accidental tampering)

Need a simple system

Sizes – 36" x 80" x 9-1/2" (grow 39, 42, or 48")

Higher weight rating

Weight Capacity 650 lb

Warranty – Includes 2 year warranty

DYNALAL III

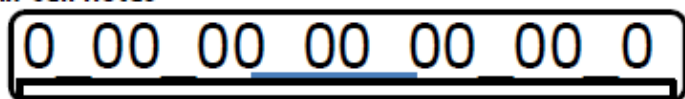
ALTERNATING PRESSURE, TRUE LOW AIR LOSS

Braden Scale score of 13 or less.

Need to disperse moisture and/or provide cooling

Air Loss Flow rate = 1200 max liters/min (lpm) ensuring excellent drying when wetness is a concern

Air cell notes



More immersion/support for physical deformity

8" deep cells facilitate maximum offloading of pressure and maximize potential immersion. Heel section have 6" high profile to reduce heel pressure.

Fowler –Inflation increases when bed head is raised

1-1/2" soft foam base layer, 9-1/2" mattress thickness

Power outage? – Mattress includes 2" foam underlay providing support during short term loss of power.
1-1/2" flexible foam base - added safety if power is lost.

Alternating Pressure Cycle time 5 – 20 min
Includes both 'alternation' or 'pulsation' functions

Auto Firm - Returns to original settings after 30 min
Auto Memory Reset – Returns to previously selected settings when powered on
Lockout – Yes (prevents accidental tampering)

Need either a warm or cool sleep surface

Warm air exhaust can be directed to a sleeve at mattress foot or directed inside the mattress to provide warming.

Leaving Bed Alarm – Helps monitor patient activity

Bottoming-out Alarm – Alerts if bottoming-out when in Fowler position

Sizes - 36" or 48" x 80" x 9-1/2" (grow up to 60")

Higher weight rating

Weight Capacity 1000 lb.

Warranty – Includes 2 year warranty

ELITE TURN

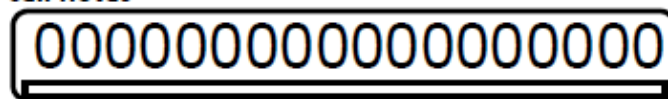
LATERAL ROTATION AND TRUE LOW AIR LOSS

Braden Scale score of 13 or less. Use in cases where client requires lateral rotation

Need to disperse moisture and/or provide cooling

Air Loss Flow rate = 1200 max liters/min (lpm) ensuring excellent drying when wetness is a concern

Air cell notes



More immersion/support for physical deformity

8" deep cells facilitate maximum potential immersion. Pressure reduction is accomplished via turning. Do not leave in Static Mode indefinitely.

1-1/2" soft foam base layer, 9-1/2" mattress thickness

Power outage? – Mattress includes 2" foam underlay providing support during short term loss of power.
1-1/2" flexible foam base - added safety if power is lost.

Facilitate postural drainage. Turning may help disperse fluid buildup in lungs or manage hypersensitivity

Alternating L/R Rotation time 5 – 95 min
Lateral rotation turns user. Choose 20° or 40° turn

Auto Firm – Set to highest setting to provide a stable patient repositioning and/or transfer surface

Need either a warm or cool sleep surface

Warm air exhaust can be directed to a sleeve at mattress foot (cooling) or directed inside the mattress (warming)

Static Mode – Maintains constant pressure as an alternative to Turn mode

Size - 36" x 80" x 9-1/2"

Higher weight rating

Weight Capacity 1000 lb

Warranty – Includes 2 year warranty