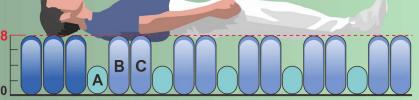


Our Innovative Designs

Since 1989

AKTC TrueCare Alternating

TrueCare Alternating will give patient the best sleep without the disturbance. The support surface can maintain the same height during each alternating cycle hence enhances the comfort for the patient. The patient will never experience motion sickness with our TrueCare air mattress system.



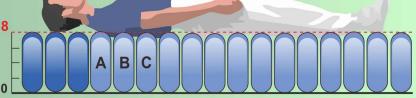


Invention Patent

I 543733

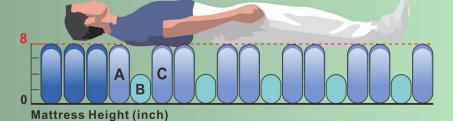
August 1,2016

Mattress Height (inch)



Mattress Height (inch)

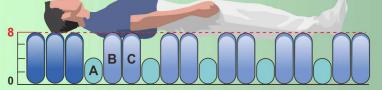
Our re-engineered system changes the way of alternating by fully re-inflate all sets of air cells before the next set of air cells deflates.





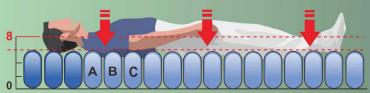
Traditional Alternating

Alternating air mattress system uses traditional micro-switches controllers, which can cause an unpleasant upward and downward movement when all sets of air cells are shared in each alternating cycle.



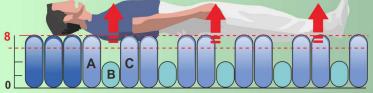


Mattress Height (inch)



Mattress Height (inch)

The upward and downward movement from the air mattress during each alternating cycle can cause discomfort and motion sickness which disturbs patient's sleep quality.







The world's first SmileTurn adjustable rotation air mattress

Wider Views and Happier Moods

SmileTurn mattress aids immobile patients to gain a wider range of visual perspective using the turning air cells along with the alternating cycle. The patient will feel happier and have better mood with the SmileTurn mattress as they are able to see a wider range.

*The SmileTurn mattress is compatible with any pump.





Adjustable Turning Functions: Left Turn / Right Turn / Full Turn





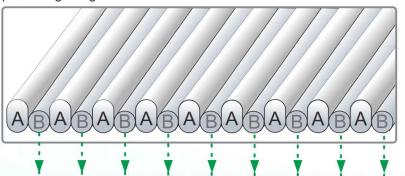
Turning Function On



Turning Function Off

independent Low Air Loss (iLAL)

AKTC independent Low Air Loss (iLAL) effectively reduces the moisture and skin heat on the support surface by periodically providing a high volume of low air loss relief.



ILAL Utilizes the deflate air to the pump.



Pump

Low air loss is ventilated through 30 of 1.5 mm diameters holes on the manifold. More effective and longer lifetime than on-cell laser holes.

Up to 180L per cycle ventilation for an 8" air mattress.



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