

# AXIOM

SEATING SOLUTIONS BY  Mobility



AS | ASP

# INTRODUCING AXIOM | AS & ASFP

## THE FIRST FIELD ADJUSTABLE LIGHTWEIGHT FLUID CUSHIONS

Our patented self-adjusting fluid system makes fitting and adjustment incredibly simple. Getting the optimum fit the first time, is as easy as sitting.



- 1 Pleated 4-way super stretch Lycra cover to eliminate cover tension
- 2 Microclimatic spacer fabric layer over reticulated foam comfort layer for airflow
- 3 Structural Foam Base with Fluid reservoir channels allow for individual adjustment of fluid volume
- 4 Bilateral Ischial Fluid inserts with more mobile fluid for shear reduction
- 5 Independent Trochanteric fluid inserts, with stiffer fluid for stability
- 6 Vents allow the cushion to adjust to changes in ambient pressure

## INCREDIBLY LIGHT

Axiom's Hydrolite is incredibly light, eliminating the "weight penalty" of other fluid cushions. Also, it's less sensitive to hot or cold, for consistent performance regardless of the climate.



## OPTIMIZED PRESSURE DISTRIBUTION

The self-adjusting design allows the femurs, trochanters, and ischia to all be independently loaded. The fluid under the ischia is specifically engineered to reduce shear strain. Better distribution and reduced shear strain, the hallmarks of a superior cushion.

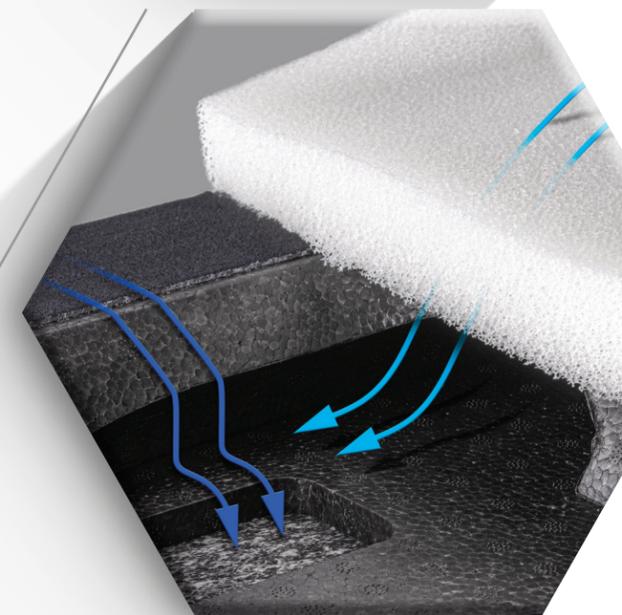


## MAXIMUM STABILITY

The trochanteric bladders are filled with a stiffer version of Hydrolite that flows to distribute pressure but doesn't shift rapidly when moving and reaching. The feeling of stability is incredible.

## SUPERIOR MICROCLIMATE

The cushion base features a dense layer of reticulated foam under a layer of spacer fabric to allow air to flow. The foam base is closed cell and designed with pathways that allow moisture to flow through and away from the body, maintaining a cooler and drier skin interface.



US PAT# 9,021,637 & 9,855,174

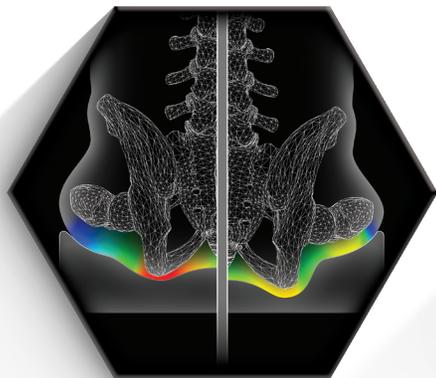


## FITTING & ADJUSTMENT

Axiom AS & ASP employ a patented self-adjustment fluid system that uses the rider's bodyweight and physical characteristics to dictate the degree of immersion and envelopment into the cushion.

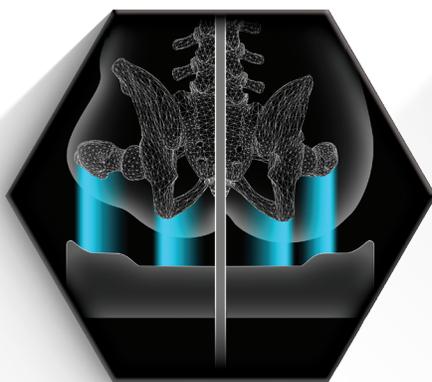
Fluid is displaced only until directed loading is reached. Once the desired fitting is achieved, the adjustment can be locked in. Fitting can be repeated as needs change but refitting solely for maintenance is not necessary.

## SCIENCE OF SEATING



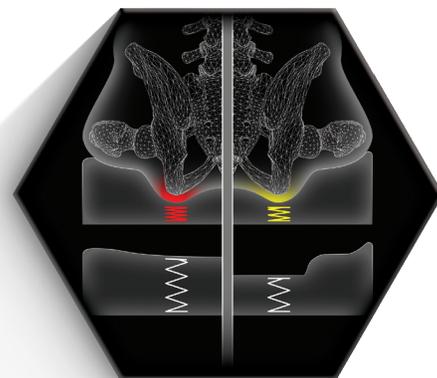
### SURFACE TENSION REDUCTION

Our cover design features pleated super stretch fabric over the fluid bladders to prevent cover tension and provide maximum envelopment.



### ANTHROPOMETRICS

We used human data from studies to design the shape of our cushions, so they can more effectively accommodate anatomic variances.



### PRE-CONTOUR SHAPE

Axiom cushions are pre-contoured to facilitate loading the trochanters, decrease ischial loading and improve lateral stability.

### SPECS

Width	14 - 22 in.	35 - 56 cm
Depth	14 - 22 in.	35 - 56 cm
Weight Cap.	350 lb.	158 kg
HPCPS Code	AS: E2622/3 ASP: E2624/5	

