



# Evolution<sup>TM</sup>

## SEATING SYSTEMS

*Therapists recommend the Evolution for individuals with motor and neurological dysfunction caused by spinal-cord injury, stroke, multiple sclerosis, cerebral palsy and traumatic brain injury. Therapists value the Evolution's outstanding pressure distribution and postural support. Ultra-lightweight, comfortable and easy to use- no pumps, no kneading- the Evolution offers a hassle free, high quality seating solution.*

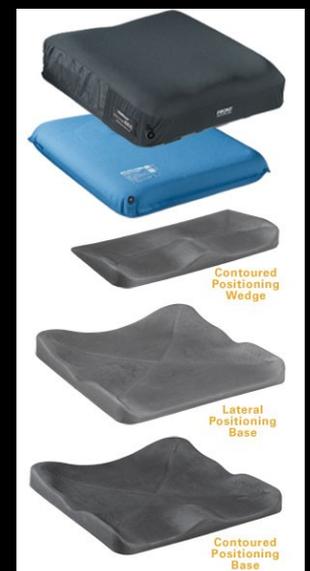


The cushion of choice for wheelchair users with a high risk of tissue breakdown and symmetrical positioning needs

### Evolution<sup>TM</sup> Wave

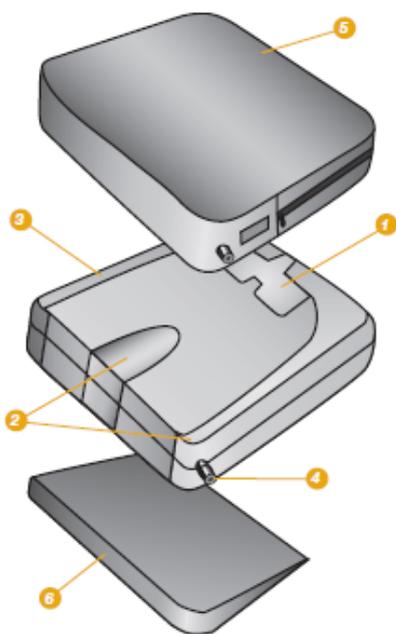
*The Evolution<sup>TM</sup> is available with the following Wave positioning bases:*

- CPW (Contoured Positioning Wedge)
- LPB (Lateral Positioning Base)
- CPB (Contoured Positioning Base)



*Please refer to the brochure for product codes and available sizes*

# Evolution™



## 1. Air-Foam Flotation

The functional areas of the cushion are created by three types of foam; soft foam under the decubitus-sensitive area of the ITs; medium foam for the thigh trough, pelvic bucketing and pre-ischial bar; and firm foam to provide support through the perimeter and medial thigh separator.

The foam within the Evolution is bonded to the coating fabric to allow the cushion to hold air, air is released through easily accessible valves allowing the user to be immersed in the foam. Varilite's air-foam flotation conforms to the user, distributing the user's weight over the entire surface of the cushion.

Independent research has shown Varilite's Air-Foam Flotation to be the #1 in impact and vibration dampening (RESNA 2000).

## 2. Positioning Supports

Positioning supports improve stability, which is important for users with compromised sitting balance or who transfer frequently. Multi-stiffness foam provides support as the user is immersed in the cushion. Medial and lateral supports minimise internal and external lower extremity rotation. Pelvic bucketing and pre-ischial ridge help maintain pelvic position, and thigh troughs promote a natural femoral position.

## 3. Four-way-stretch Fabric

A four-way-stretch, water resistant, knit fabric is bonded to the foam of the Evolution cushion providing maximum comfort during immersion.

## 4. Valves for Adjusting Air Volume

The Evolution PSV uses Varilite's revolutionary new, patented Pressure Setting Valve. Sitting on a fully inflated cushion, the user, or caregiver, opens the PSV to a pre-set position. When the PSV senses that the desired level of immersion has been achieved, it stops releasing air, then with a simple turn of the valve the user closes the PSV.

The Evolution is also available with a traditional two-way Varilite valve. Sitting on a fully inflated cushion, the user opens the valve and releases air, closing the valve when sitting on approximately 13mm of air and foam.

## 5. Cover

The Evolution comes complete with either a mesh or incontinence cover made from a breathable four-way-stretch fabric. Air exchange and further pressure distribution is promoted by reticulated foam inside the cover. A rugged nonslip material is used on the underside with hook and loop offers greater security. The meridian cover is machine washable, tumble dryable and meets ISO 7176-16 ignition resistance standards for upholstered wheelchair components.

## 6. Wedge

A modifiable closed-cell foam wedge is available with each Evolution, to assist pressure redistribution from the sensitive ITs onto the thighs.

## Varilite...

## Without Compromise

