

The  **VARILITE™**
Seating Cushions Catalogue

from  **HealthCare Innovations**
AUSTRALIA
Issue 2.0



Without Compromise



Life Without Compromise

At VARILITE our goal is to help people who use wheelchairs for mobility to lead empowered, independent, and connected lives. We strive to design effective, innovative, postural support solutions

Both my Evolution cushions have helped improved my transfers and independence.

I am 25 years old, and sustained a spinal cord injury 5 years ago from a motocross crash. After I went through physical therapy to learn how to live as a quadraplegic, I got right out there and started living my new life. I discovered quadraplegic rugby after watching a documentary called Murderball and have been playing with the Seattle Slam for 4 years. I love the wheelchairs we get to play in because they are like battering rams.

When someone first came to visit me in the hospital was when I really started to learn about different types of equipment. Since I want to be as independent as I can, I need good, lightweight equipment that can take a beating. Through trial and error, I have changed wheelchairs and cushions, and now use a titanium wheelchair and a lightweight VARILITE Evolution PSV™ cushion. It is really important for me to have durable and lightweight equipment because I don't have full hand strength. Since I have been using the Evolution PSV cushion, I can tell how much my balance has improved. In fact now I own two Evolution PSV cushions, one for my everyday wheelchair and one for my rugby wheelchair. One other thing I have noticed is that when I use a transfer board to get in and out of my truck, my transfers improved and got easier because of the firmer surface of the cushion.



Jeremy Hannaford is 5 years post injury from a motocross accident and a player in the Seattle Slam rugby team.

After 5 years of being in a wheelchair, I now try to help and educate newly injured quadraplegics, especially the guys that are interested in quad rugby. I educate them about equipment and love to show off my rugby wheelchair. I tell other people that with products like the VARILITE Evolution PSV cushion, it can improve the independence of quadraplegics because it improved my transfers, stability, and helps avoid skin issues. The cushion doesn't make me all wobbly, like the air-celled cushion I used to have. If a valve breaks or the cushion goes flat, it is so easy to fix it at home. That saves me from having to send the cushion back for repairs.

~Jeremy Hannaford



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Healthcare Innovations Australia Pty Ltd is the licensed distributor of VARILITE in Australia. As well as the range of VARILITE seating systems, we also offer VARILITE wheelchair back systems, FSA pressure mapping systems, Smartwheel wheelchair propulsion assessment device, and Shear Comfort Skin Care and Foot Care products. For more information visit our website, or contact a member of our sales team.





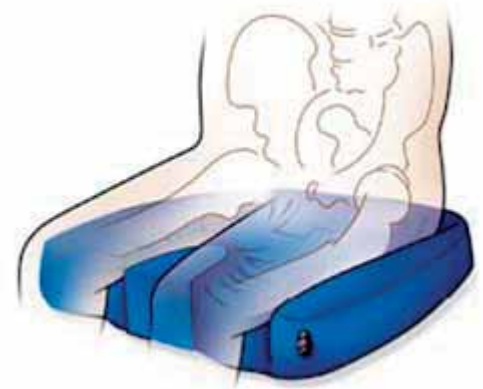
Cushions Without Compromise

Air Foam Flotation

Air-foam flotation combines the best characteristics of air and foam to provide excellent pressure distribution, comfort, and stability, all in an ultra-lightweight seat cushion. The air in a VARILITE cushion supports the load, while the foam keeps the air where it is needed, preserves the cushion shape, and prevents bottoming out.

Because air supports most of the weight, low density foam can be used, resulting in an ultra-lightweight cushion with less push-back or interface pressure.

Air-foam flotation works because of immersion. VARILITE air-foam cushions use multi-stiffness foams to provide support and conformation under different areas of the user. A valve releases air to immerse the user in the foam, and the different foams conform to the users shape. As immersion increases, the load is distributed over more of the cushion's surface area and pressure points are reduced.



Optimal pressure distribution is achieved when the load is distributed over the largest area.

Cover

The cover is an essential part of a VARILITE cushion, enhancing pressure distribution and promoting air and water vapour circulation through the reticulated foam for healthy tissue integrity. The reticulated foam also reduces the interference from a user's clothing (e.g. pockets, buttons, studs...etc) with regards to pressure relief. Additionally, the cover serves to protect the cushion from punctures, burns, and being soiled.

To ensure the user's safety, the underside of our cover is made of a non-skid material with adhesive Velcro pads for added security. All VARILITE covers meet ISO 7176-16 ignition resistance standards for upholstered wheelchair components.

VARILITE covers are available in mesh and incontinence at no additional charge. A spare cover is recommended for longevity and for continued cushion use during washing of other cover.



2-Way Stretch Bonded Fabric

The foam is bonded to a 2-way stretch fabric to allow for maximum contouring and immersion of the body into the foam, increasing the surface area and thus maximising pressure distribution.

Self-Inflating: Standard and PSV Valve

VARILITE cushions incorporate a self-inflating valve system for quick and easy set-up without the need for pumps. Dependent on the cushion model, they can either come with a standard valve or a PSV (Pressure Setting Valve).

The PSV works by sensing the amount of internal cushion pressure, automatically shutting off the flow when it senses enough pressure has been released. The PSV is marked with three pre-set positions, which provide the best range of immersion for most users (a therapist can mark a different position on the PSV if the user falls outside the pre-determined range). This ensures simple, consistent adjustment which can improve patient compliance.



A wheelchair cushion has many jobs to do and roles to play. Cushions that excel in one area may be weaker in others. At VARILITE we pride ourselves on being able to offer cushions that excel in many areas. Cushions that can cope with a user's every need. Cushions without compromise!

Without Compromise on:

Comfort

Comfort in seating and comfort in use are important considerations in cushion selection. VARILITE cushions offer both, with the comfort of air foam flotation, and the ease of use of the self-inflating valve.

Pressure Distribution

As air is released from a VARILITE cushion, the user is immersed in the foam, maximising surface contact and reducing pressure points. In a recent independent study, VARILITE cushions performed as far superior in terms of envelopment, dispersion, maximum pressure, and peak pressure index when compared with standard foam cushions (see page 36).

Postural Support

VARILITE cushions use multi-stiffness foams for stability. As air is released, the user is immersed deeper in soft foam while firmer foams provide contoured support. The result is exceptional stability and increased confidence in propulsion.

Vibration Dampening

Vibration reduction is as important as static pressure relief. Vibration can result in discomfort, fatigue, poor body mechanics, and joint strains. The combination of air and foam in VARILITE cushions is proven to offer best-in-class performance in terms of vibration dampening. (RESNA 2000 - see page 37)

Low Maintenance

As VARILITE cushions are self-inflating, they require no pumps, no kneading, no manipulation, and no repositioning of gel. A simple turn of the valve is all that is needed for a customised fit, encouraging compliance, and avoiding the need for accessory parts.

Temperature Transfer

The combination of air and foam in VARILITE cushions means that they regulate temperatures effectively for the maintenance of skin tissue integrity. The reticulated foam in the cover further adds to this by enhancing air circulation.

Weight

Excessive weight can inhibit mobility, increase the risk of joint strain, and ultimately reduce quality of life. By using air to support most of the load, low density foams can be used, resulting in ALL VARILITE cushions being lightweight. This promotes easier propulsion, easier dismantling for transfer, and an easier day-to-day life.

Transfers

Cushions that facilitate poor transfers can lead to joint strain, or simply inhibit compliance. The combination of the cover material and the foam in VARILITE cushions makes transferring in and out of the chair easy, whilst the low weight of the cushions makes dismantling the wheelchair for transfer a much less laborious process.

Cushion Life

VARILITE cushions have a long life as air reduces the foam compression, while foam protects against bottoming out even if the outer material is punctured.

Maintain the cushion's long life by simply re-setting the cushion once a week. All VARILITE cushions (excluding cover) are warranted for 2 years from date of purchase (see our warranty for full terms and conditions).



As you can see, VARILITE cushions excel in all these areas, delivering wheelchair seating.... **WITHOUT COMPROMISE!**



Seat Cushion Selection Guide



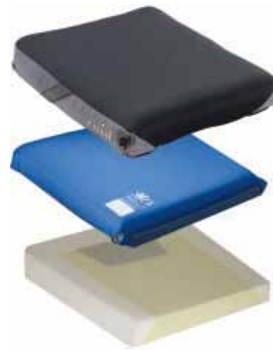
	ProForm NX	Evolution, Evolution PSV & Wave
USER NEEDS		
Level of Skin Protection	high	high
Level of Positioning	maximum & modifiable	maximum
Pre-Ischial Ridge	closed-cell foam	multi-stiffness foam
Lateral Pelvic Support	contoured base	multi-stiffness foam Wave CPB, Wave LPB
Medial Thigh Separator	contoured base	multi-stiffness foam Wave CPW, Wave CPB
Lateral Thigh Support	contoured base	multi-stiffness foam Wave CPW, Wave CPB Wave CPW
CUSHION ATTRIBUTES		
Valve Type	standard	standard or PSV
Number of Chambers	2 at back	1
Modifiable	yes	Wave
Cover Types	Standard Mesh or Incontinence	Standard Mesh or Incontinence
Weight (18x18in)* (excl. Wave)	1500g	999g
Smaller Sizes	30x35, 35x35 35x40	30x35, 35x35 35x40, 35x45 35x50, 40x35
Middle Sizes	38x38, 38x43 40x40, 40x45 40x50, 43x43 45x40, 45x45 45x50, 50x40 50x45, 50x50	38x38, 38x43 40x40, 40x45 40x50, 43x43 45x40, 45x45 45x50, 50x40 50x45, 50x50
Larger Sizes		55x45, 55x50 60x45, 60x50
Page	8	18

Wave Descriptions



CPW

Contoured Positioning Wedge



Meridian & Meridian Wave	Zoid PSV	Reflex
high	moderate	moderate
maximum	mild	mild
multi-stiffness foam	multi-stiffness foam	foam cutouts
multi-stiffness foam Wave CPB, Wave LPB	multi-stiffness foam	multi-stiffness foam
multi-stiffness foam Wave CPW, Wave CPB	-	multi-stiffness foam
multi-stiffness foam Wave CPB, Wave LPB	multi-stiffness foam	multi-stiffness foam
standard	PSV	self adjusting
2	1	1
Wave	No	No
Standard Mesh or Incontinence	Standard Mesh or Incontinence	Standard Mesh or Incontinence
999g	860g	860g
30x35, 35x35 35x40, 35x45 35x50, 40x35	30x20, 30x30 30x35, 35x35 35x40, 35x45	30x30, 30x35, 35x35 35x40, 35x45, 35x50 40x45
38x38, 38x43 40x40, 40x45 40x50, 43x43 45x40, 45x45 45x50, 50x40 50x45, 50x50	38x38, 38x43 40x40, 40x45 40x50, 43x43 45x40, 45x45 45x50, 50x40 50x45, 50x50	38x38, 38x43 40x40, 40x45 40x50, 43x43 45x40, 45x45 45x50, 50x40 50x45
55x45, 55x50 60x45, 60x50		
14	26	28



LPB Lateral Positioning Base



CPB Contoured Positioning Base

Conversion cm to inches: 20=8, 30=12, 35=14, 37=15, 40=16, 43=17, 45=18, 50=20, 55=22, 60=24



ProForm NX™

The cushion of choice for wheelchair users with challenging positioning and postural support requirements.

Therapists recommend the ProForm NX for individuals with leg length discrepancies, amputations, pelvic obliquities, and other positioning challenges. Prescribers value this cost-effective and easy-to-customize off-the-shelf product. Users and caregivers value the durability and adjustability of the ProForm NX.



The ProForm NX provides a value-for-money solution to most seating positioning challenges (for examples see pp12-13)

- *Off-the-shelf, but modifiable to the design and shape your client needs*
- *Air-foam floatation single dual chambered cushion (patents pending) with individually adjustable compartments*
- *Valves for pelvic adjustment positioned at the front*
- *There are no user weight restrictions on any VARILITE cushions*

ProForm NX™

A modifiable contoured base, superior pressure distribution, asymmetric positioning options, comfort, and simplicity make the ProForm NX an ideal off-the-shelf solution when a customizable wheelchair cushion is needed.

1. Contoured Base

Closed-cell foam base will not absorb fluid and is resistant to bacteria. The base can be cut with a knife or blade to accommodate drop-base seats, leg-length discrepancies, and “hot spots”. Laterals and a deep ischial pan provide maximum immersion and pressure distribution. Moulded thigh troughs improve lower-extremity positioning. Flex Hinge lets the base flex when a Modifiable Wedge is placed underneath it.

2. Air-Foam Floatation Cushion

Designed for pelvic obliquities and other asymmetrical conditions, the exclusive Air-Foam Floatation cushion contains two self-inflating, independently-adjustable chambers (patent pending). Adjustments are made using two-way air valves that release air to immerse the user in the foam. The foam contours to the user and the user's weight is distributed over the surface of the cushion.

3. Modifiable Thigh Cushion

Breathable, mesh-covered reticulated foam blocks contour over the medial thigh separator and anterior laterals for added comfort and stability. The modifiable Thigh Cushion is patterned in sections for easy modification to match changes made to the Contoured Base. Non-absorbent and washable.



4. Cover

The ProForm NX is available with a mesh or incontinence cover with breathable two-way stretch material. Reticulated foam underneath promotes air and water vapour exchange and improves pressure distribution. The underside of the cover is a rugged nonslip material with hook and loop for added security. The ProForm NX cover meets ISO 7176-16 ignition resistance standards for upholstered wheelchair components. Machine washable.

5. Modifiable Wedge

A modifiable closed-cell foam wedge is standard with each ProForm NX. The Modifiable Wedge increases the weight-bearing load under the thighs and decreases the load on the buttocks, without changing the seat-to-back angle. The 2 inch (5 cm) tapered wedge trims easily for custom fitting.



ProForm NX™ Modification Guidelines

Designed for people requiring greater positioning support and/or cushion modifications

Cut Contoured Base and Modifiable Wedge with a blade or electric knife. Cut Modifiable Thigh Cushion using scissors.



Be sure to cut along seams.

ProForm NX Dual-Chambered Cushion (complete including cover)

	12 x 14 (30 x 35 cm)	14 x 14 (35 x 35 cm)	14 x 16 (35 x 40 cm)	15 x 15 (38 x 38 cm)	15 x 17 (38 x 43 cm)	16 x 16 (40 x 40 cm)	16 x 18 (40 x 45 cm)	16 x 20 (40 x 50 cm)
With Standard Valves								
With Mesh Cover	72412	74412	74612	75512	75712	76612	76812	76012
With Incontinence Cover	72422	74422	74622	75522	75722	76622	76822	76022

Spare and Replacement Parts

DON'T FORGET A SPARE COVER
for added longevity and for use during washing of other cover

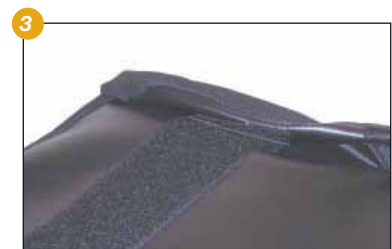
	12 x 14 (30 x 35 cm)	14 x 14 (35 x 35 cm)	14 x 16 (35 x 40 cm)	15 x 15 (38 x 38 cm)	15 x 17 (38 x 43 cm)	16 x 16 (40 x 40 cm)	16 x 18 (40 x 45 cm)	16 x 20 (40 x 50 cm)
Mesh Cover	01760	01761	01762	01740	01741	01763	01764	01765
Incontinence Cover	01750	01751	01752	01745	01746	01753	01754	01755
Softbase	01650	01651	01652	01645	01646	01653	01654	01655
Thigh Cushion	01660	01661	01662	01655	01656	01663	01664	01665
Dual Cushion	01770	01771	01772	01795	01796	01774	01775	01773
Wedge	04352	04355	04355	04356	04356	04357	04357	04357



ProForm NX™

Cinching the Cover

1. Fold provided hook material in half so that you have hook on both sides.
2. Place hook material on loop at front, bottom edge of cushion on side of modification.
3. Pull firmly on cover and fold it back on itself and attach hook to appropriate loop.



	17 x 17 (43 x 43 cm)	18 x 16 (45 x 40 cm)	18 x 18 (45 x 45 cm)	18 x 20 (45 x 50 cm)	20x16 (50 x 40 cm)	20 x 18 (50 x 45 cm)	20 x 20 (50 x 50 cm)
	77712	78612	78812	78012	70612	70812	70012
	77722	78622	78822	78022	70622	70822	70022

	17 x 17 (43 x 43 cm)	18 x 16 (45 x 40 cm)	18 x 18 (45 x 45 cm)	18 x 20 (45 x 50 cm)	20x16 (50 x 40 cm)	20 x 18 (50 x 45 cm)	20 x 20 (50 x 50 cm)
	01742	01766	01767	01768	01743	01744	01769
	01747	01756	01757	01758	01748	01749	01759
	01647	01656	01657	01658	01648	01649	01659
	01657	01666	01667	01668	01658	01659	01669
	01797	01777	01778	01776	01798	01799	01779
	04377	04358	04358	04358	04359	04359	04359

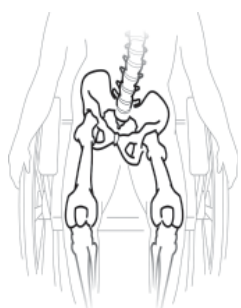
ProForm NX™

Examples of common modifications



Symmetrical Posture

- Modify the Contoured Base with Cheat Sheets™ (see p30) to build up the medial thigh separator and/or laterals.



Pelvic Obliquities

- Improve uneven pressure distribution and posture by adjusting the two chambers of the Air-Foam floatation cushion independently with a simple turn of the valves.



Upper Leg Length Discrepancy

- Cut along the Modification Guides on the Contoured Base to accommodate shorter femur.
- Cut the Modifiable Thigh Cushion and Modifiable Wedge to conform to the Contoured Base.
- Cinch cover (see p11)



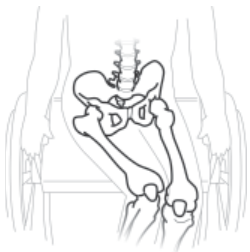
C-shaped Postures

- Control posterior pelvic tilt, which leads to sacral sitting, limited functional activities, and affected physiological function (e.g. respiration, digestion, etc).
- Deep ischial pan on contoured base immerses client into cushion.
- Use Modifiable Wedge to support thighs while encouraging neutral pelvic position





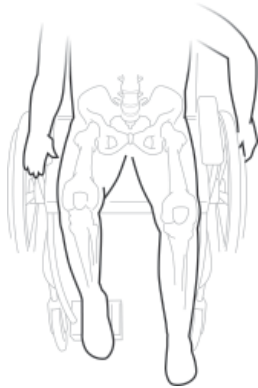
Wind Swept Deformity



- Cut the Contoured Base to accommodate any pelvic rotation.
- Cut away the existing medial thigh separator.
- Create a new medial thigh separator using Cheat Sheets™ (see p30).
- Cut Modifiable Thigh Cushion and Modifiable Wedge as needed to conform to the Contoured Base.
- Cinch cover as necessary (see p11).



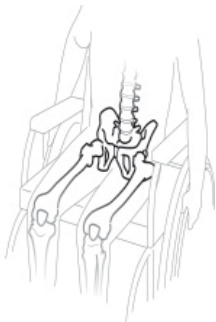
**Cerebral Vascular Accident (CVA)
Above Knee Amputation (AKA)
Unilateral Scooter**



- Cut Contoured Base and Modifiable Thigh Cushion up the middle.
- Cut the Modifiable Wedge and place only under the affected leg.
- For limited hip flexion, place wedge only under the unaffected leg.



Limited Hip Flexion



- Cut Contoured Base and Modifiable Thigh Cushion up the middle.
- Cut and place Modifiable Wedge under unaffected leg.



Existing Reddened Skin



- Identify location of reddened area or bony prominence relative to the base, ideally with a pressure mapping system.
- Cut holes or recessed areas in the Contoured Base to provide additional pressure relief.



Meridian™

A dual chambered cushion for wheelchair users at highest risk of tissue breakdown and with moderate level of symmetric positioning needs with or without a solid positioning base available in three styles



Therapists recommend the Meridian™ for individuals with motor and neurological dysfunction due to spinal-cord injury, stroke, multiple sclerosis, cerebral palsy, or traumatic brain injury, who need superior skin protection. Therapists value the integral pre-ischial ridge and wedge effect created by the Meridian's dual chambers.

Users and caregivers value its low weight, comfort, and ease of use. No pumps or accessories. No kneading or manipulation.



Meridian™ is available with the following options:

- Cover: Mesh or Incontinence
- Valve: Standard
- Accessories: Wave™ Positioning Bases (see pp22-25)

1. Air-Foam Floatation

Functional areas of the cushion are created by three types of foam: soft foam for the decubitus-sensitive area of the ITs; medium foam for the thigh trough, pelvic bucketing and pre-ischial ridge; and firm foam for the perimeter and the medial thigh separator.

Bonding Meridian foam to coated fabric makes the cushion hold air. Valves release air to immerse the user in the foam, the foam conforms to the user, and the user's weight is distributed over the surface of the cushion.

Independent research has shown *VARILITE* Air-Foam Floatation to be the #1 impact and vibration dampening technology (RESNA 2000: see page 37).

2. Dual-Chambers

Front and rear chambers permit independent adjustment of the pelvis and thighs, quickly and easily, while the client is seated. The rear chamber allows maximum immersion of the pelvis for better pressure distribution. The front chamber allows maximum loading of the thighs which reduces pressure on the ITs.

The Meridian's dual-chambered design promotes a neutral pelvis position, especially important for clients prone to extensor tone or thrusting. The thigh and pelvic chambers form a pre-ischial ridge which prevents the ITs from sliding forward, reducing a posterior pelvic tilt and sacral sitting. Releasing more air from the pelvic chamber than the thigh chamber provides added postural support by creating dump or squeeze that "holds" the client in place. Additional pelvic positioning can be obtained by combining a *VARILITE* Wave positioning base with the Meridian.

3. Two-way stretch Fabric

Evolution foam is bonded to two-way stretch knit fabric for maximum conformity during immersion. The fabric is puncture and water resistant.



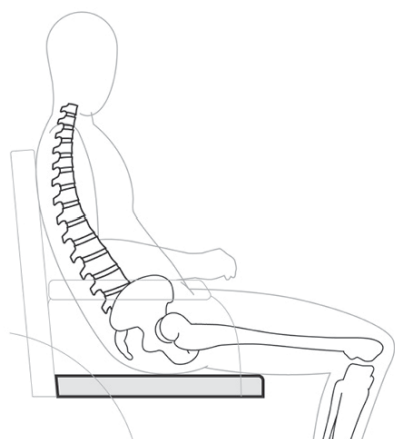
4. Valves for Adjusting Air Volume

The Meridian uses *VARILITE* two-way air valves. Sitting on a fully inflated cushion, the user opens the right valve and releases air from the pelvic chamber. Optimal immersion is achieved when there is 1/2 inch (13 mm) of air and foam between the ITs and the wheelchair's seating surface. Immersing the pelvis while the thigh chamber is fully inflated creates a wedge effect that shifts the load from the ITs to the thighs. The user can decrease the amount of wedge achieved by opening the left valve to release air from the thigh chamber.

5. Cover

The Meridian is available with a mesh or incontinence cover with breathable two-way-stretch material. Reticulated foam inside promotes air exchange and improves pressure distribution. The underside is a rugged nonslip material with hook and loop for added security. Meridian covers meet ISO 7176-16 ignition resistance standards for upholstered wheelchair components. Machine washable.

Clinical Benefits of the Meridian™



Sacral Sitting



Meridian Reduces Sacral Sitting

Some specific clients that might benefit from the Meridian include (but are not limited to):

Motor Neurone Disease (MND) / Amyotrophic Lateral Sclerosis (ALS)

- Progressive weakness and symptoms increase with fatigue – so the Meridian's lightweight system is important as well as is good trunk support
- Decreased overhead reach (and functional activities) due to tightness in pectoral muscles and anterior shoulder muscles from slumped posture – so proper pelvic positioning is important to prevent this posture
- Affects respiratory muscles – so proper positioning is important for easier inhalation/exhalation
- Decreased trunk control – so require higher level of positioning to compensate and to increase function and reach
- Decreased dexterity – so proper pelvic positioning is important to optimize functional seating position

Tetraplegia/Paraplegia

- Catheterization may be required – so Wave positioning bases available with (Wave CPB) and without (Wave LPB) a medial thigh separator/pommel
- “Quad belly” from poor posture and poor trunk stability – so need to provide better trunk support to prevent this posture to enhance function and respiration
- Pneumonia becoming number 1 killer – result of inability to produce productive cough, but also posture – so better pelvic positioning can lead to better posture, etc.

Spina Bifida

- Joint and muscle pain common – so comfort is an issue
- Progressive contractures – may help prevention if seated properly from the beginning with good pelvic support
- Scoliosis often develops – proper positioning can help slow or prevent this process
- Impaired sitting balance – so good trunk support important
- Obesity common – cushions come as large as 24x20 inches (60x50cm)

Multiple Sclerosis

- Fatigue easily – so lightweight is important, ease in transferring on a flat surface by reinflating
- Lower Back Pain as a result of compensatory use of muscles to lift and move weakened limbs – so firm base of support important (Meridian Wave CPB and Meridian Wave LPB)
- Spasticity in lower extremities can be seen leading to contractures – so additional positioning/support is important
- Can add additional support utilizing the Wave bases as needed during relapse phase

Meridian™ (includes cushion and mesh cover)

	12 x 14 (30 x 35 cm)	14 x 14 (35 x 35 cm)	14 x 16 (35 x 40 cm)	14 x 18 (35 x 45 cm)	14 x 20 (35 x 50 cm)	15 x 15 (38 x 38 cm)	15 x 17 (38 x 43 cm)	16 x 14 (40 x 35 cm)	16 x 16 (40 x 40 cm)	16 x 18 (40 x 45 cm)
With Standard Valves										
With Mesh Cover	72430	74430	74630	74830	74030	75530	75730	76430	76630	76830
With Incontinence Cover	72440	74440	74640	74840	74040	75540	75740	76440	76640	76840
	16 x 20 (40 x 50 cm)	17 x 17 (43 x 43 cm)	18 x 16 (45 x 40 cm)	18 x 18 (45 x 45 cm)	18 x 20 (45 x 50 cm)	20 x 16 (50 x 40 cm)	20 x 18 (50 x 45 cm)	20 x 20 (50 x 50 cm)		
With Mesh Cover	76030	77730	78630	78830	78030	70630	70830	70030		
With Incontinence Cover	76040	77740	78640	78840	78040	70640	70840	70040		

Bariatric Sizes

	22 x 18 (55 x 45 cm)	22 x 20 (55 x 50 cm)	24 x 18 (60 x 45 cm)	24 x 20 (60 x 50 cm)
With Mesh Cover	7283B	7203B	7483B	7403B
With Incontinence Cover	7284B	7204B	7484B	7404B

Meridian and Meridian Wave Spare Covers

DON'T FORGET A SPARE COVER
for added longevity and for use during washing of other cover

	12 x 14 (30 x 35 cm)	14 x 14 (35 x 35 cm)	14 x 16 (35 x 40 cm)	14 x 18 (35 x 45 cm)	14 x 20 (35 x 50 cm)	15 x 15 (38 x 38 cm)	15 x 17 (38 x 43 cm)	16 x 14 (40 x 35 cm)	16 x 16 (40 x 40 cm)	16 x 18 (40 x 45 cm)
With Standard Valves										
Mesh										
Standard and CPW Wave	02517	02518	02519	02619	02620	02621	02622	02623	02520	02521
LPB and CPB Wave	02585	02586	02587	02639	02640	02641	02642	02643	02588	02589
Incontinence										
Standard and CPW Wave	02534	02535	02536	02624	02625	02626	02627	02628	02537	02538
LPB and CPB Wave	02602	02603	02604	02644	02645	02646	02647	02648	02605	02606
	16 x 20 (40 x 50 cm)	17 x 17 (43 x 43 cm)	18 x 16 (45 x 40 cm)	18 x 18 (45 x 45 cm)	18 x 20 (45 x 50 cm)	20 x 16 (50 x 40 cm)	20 x 18 (50 x 45 cm)	20 x 20 (50 x 50 cm)		
Mesh										
Standard and CPW Wave	02522	02523	02524	02525	02526	02527	02528	02529		
LPB and CPB Wave	02590	02591	02592	02593	02594	02595	02596	02597		
Incontinence										
Standard and CPW Wave	02539	02540	02541	02542	02543	02544	02545	02546		
LPB & CPB Wave	02607	02608	02609	02610	02611	02612	02613	02614		

Bariatric Sizes

	22 x 18 (55 x 45 cm)	22 x 20 (55 x 50 cm)	24 x 18 (60 x 45 cm)	24 x 20 (60 x 50 cm)
Mesh				
Standard and CPW Wave	02530	02531	02532	02533
LPB and CPB Wave	02598	02599	02600	02601
Incontinence				
Standard and CPW Wave	02547	02548	02549	02550
LPB & CPB Wave	02615	02616	02617	02618



Evolution and Evolution PSV™

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

Therapists recommend the Evolution for individuals with motor and neurological dysfunction due to spinal-cord injury, stroke, multiple sclerosis, cerebral palsy, and traumatic brain injury. Therapists value the Evolution's outstanding pressure distribution and postural support.

Users and caregivers value its low weight, comfort, and ease of use. No pumps or accessories. No kneading or manipulation.

The Evolution is available with a traditional valve or a Pressure Setting Valve (PSV™)



Evolution and Evolution PSV™

Superior pressure distribution, positioning stability, comfort and simplicity have made the Evolution our most popular wheelchair cushion. By adding VARILITE's innovative PSV (Pressure Setting Valve) we've made the Evolution even better, taking the guesswork out of cushion adjustment.

VARILITE air-foam floatation makes the Evolution ultralight, without compromising pressure distribution and support.

1. Air-Foam Floatation

Functional areas of the cushion are created by three types of foam: soft foam for the decubitus-sensitive area of the ITs; medium foam for the thigh trough, pelvic bucketing and pre-ischial bar; and firm foam for the perimeter and medial thigh separator.

Bonding Evolution foam to coated fabric makes the cushion hold air. A valve releases air to immerse the user in the foam, the foam conforms to the user, and the user's weight is distributed over the surface of the cushion.

Independent research has shown VARILITE air-foam floatation to be the No1 impact and vibration dampening technology (RESNA 2000: see page 37).

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 minimize internal and external lower extremity rotation. Pelvic bucketing and a pre-ischial ridge help maintain pelvic position, and thigh troughs promote a neutral femoral position.

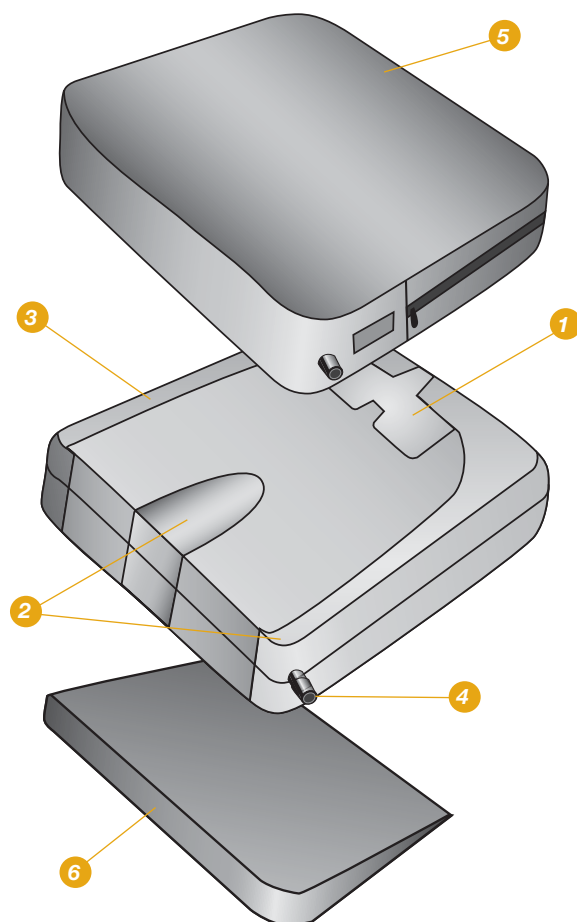
3. Two-way stretch Fabric

Evolution foam is bonded to two-way stretch knit fabric for maximum conformity during immersion. The fabric is puncture and water resistant.

4. Valve for Adjusting Air Volume

Evolution PSV uses VARILITE's revolutionary Pressure Setting Valve (patent pending). 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 reached, it stops releasing air. The user closes the PSV.

The Evolution is available as an alternative 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 1/2 inch (13 mm) of air and foam, or when two thirds of the air has been released.



5. Cover

The Evolution is available with a mesh or incontinence cover with breathable two-way-stretch material. Reticulated foam underneath promotes air and water vapour exchange and improves pressure distribution. The bottom of the cushion has a rugged nonslip material with hook and loop for added security. Evolution cover meets ISO 7176-16 ignition resistance standards for upholstered wheelchair components. Machine washable.

6. Wedge

A modifiable closed-cell foam wedge is supplied with each standard Evolution for improved pressure distribution (see p20).

Evolution and Evolution PSV™

VARILITE air-foam floatation combines the best characteristics of air and foam.

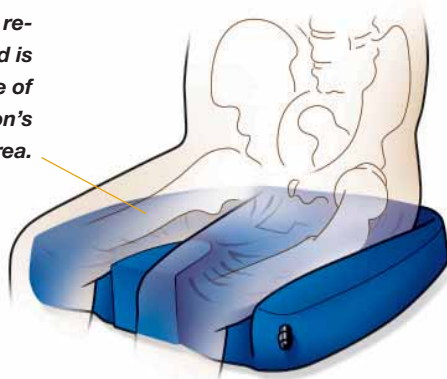
Air acts like a fluid and displaces under load. However, air does not provide any support unless it is confined. Foam, on the other hand, provides support and conformation, acting like a spring and compressing under load. For effective support, foam must be firm enough to prevent bottoming out. The firmer the foam, the more it pushes back on the object it is supporting.

Air in a VARILITE cushion supports the load, while foam keeps the air where it is needed, preserves the cushion shape, and prevents bottoming out. Because air supports most of the load, low-density soft foam can be used. This results in a lightweight cushion with less “push back” or interface pressure.

Air-foam floatation works because of immersion.

VARILITE air-foam cushions use multi-stiffness foams to provide support and conformation under different areas of the user. A valve releases air to immerse the user in the foam, and the different foams conform to the user's shape. As immersion increases, the load is distributed over more of the cushion's surface area and pressure points are reduced. Optimal pressure distribution is achieved when the load is distributed over the largest area.

Pressure points are reduced as load is distributed over more of the cushion's surface area.



VARILITE's PSV (Pressure Sensing Valve) takes guesswork out of cushion adjustment and makes it automatic!

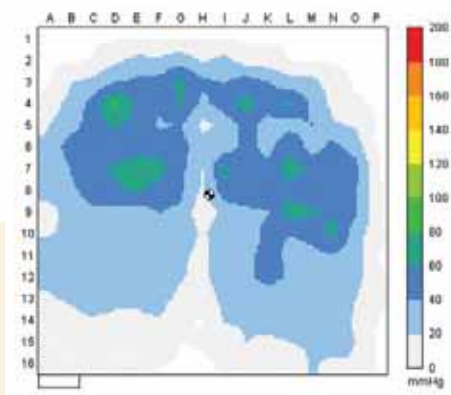
The PSV works by sensing the amount of internal cushion pressure. As air is released, internal pressure decreases and the user is immersed in the cushion for effective pressure distribution.

The PSV is marked with three pre-set positions, which provide the best range of immersion for most users. The therapist determines the PSV position that results in optimal pressure distribution for a client. (A therapist can mark a different position on the PSV if the user falls outside the pre-determined range.)

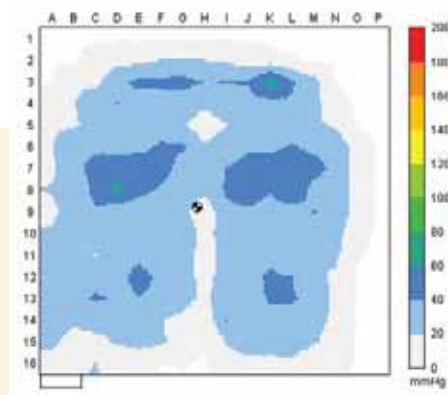
Sitting on a fully inflated Evolution PSV, the client simply opens the PSV to the appropriate position. When the PSV senses that enough air has been released, it automatically shuts off the flow. The client closes the PSV. Adjustment is simple and consistent.

As a 'rule of thumb' the PSV valve setting is set to 1 for a person with a bony backside, and 3 for a well covered rear.

Ease of use improves user compliance. A therapist can select the Evolution PSV with confidence, knowing that a client or caregiver can adjust the Evolution PSV easily for optimal pressure distribution. The first time. Every time.



FSA pressure map without Wedge



FSA pressure map with Wedge

Our VARILITE Wedge reduces the seat-to-back angle, which increases the weight-bearing load on the back of the thighs and decreases the load on the buttocks. The 2 inch (5 cm) tapered wedge trims easily for custom fitting to meet individual needs.

Evolution™ (includes cushion, cover and wedge)

	12 x 14 (30 x 35 cm)	14 x 14 (35 x 35 cm)	14 x 16 (35 x 40 cm)	14 x 18 (35 x 45 cm)	14 x 20 (35 x 50 cm)	15 x 15 (38 x 38 cm)	15 x 17 (38 x 43 cm)	16 x 14 (40 x 35 cm)	16 x 16 (40 x 40 cm)
With Mesh Cover	72410	74410	74610	74810	74010	75510	75710	76410	76610
With Incontinence Cover	72420	74420	74620	74820	74020	75520	75720	76420	76620
	16 x 18 (40 x 45 cm)	16 x 20 (40 x 50 cm)	17 x 17 (43 x 43 cm)	18 x 16 (45 x 40 cm)	18 x 18 (45 x 45 cm)	18 x 20 (45 x 50 cm)	20 x 16 (50 x 40 cm)	20 x 18 (50 x 45 cm)	20 x 20 (50 x 50 cm)
With Mesh Cover	76810	76010	77710	78610	78810	78010	70610	70810	70010
With Incontinence Cover	76820	76020	77720	78620	78820	78020	70620	70820	70020

Bariatric sizes

	22 x 18 (55 x 45 cm)	22 x 20 (55 x 50 cm)	24 x 18 (60 x 45 cm)	24 x 20 (60 x 50 cm)
With Mesh Cover	7281B	7201B	7481B	7401B
With Incontinence Cover	7282B	7202B	7482B	7402B

Evolution PSV™ (includes cushion, cover, and wedge)

DON'T FORGET A SPARE COVER
for added longevity and for use during washing of other cover

	12 x 14 (30 x 35 cm)	14 x 14 (35 x 45 cm)	14 x 16 (35 x 40 cm)	14 x 18 (35 x 45 cm)	14 x 20 (35 x 50 cm)	15 x 15 (38 x 38 cm)	15 x 17 (38 x 43 cm)	16 x 14 (40 x 35 cm)	16 x 16 (40 x 40 cm)
With Mesh Cover	72415	74415	74615	74816	74016	75515	75715	76415	76615
With Incontinence Cover	72425	74425	74625	74826	74026	75525	75725	76425	76625
	16 x 18 (40 x 45 cm)	16 x 20 (40 x 50 cm)	17 x 17 (43 x 43 cm)	18 x 16 (45 x 40 cm)	18 x 18 (45 x 45 cm)	18 x 20 (45 x 50 cm)	20 x 16 (50 x 40 cm)	20 x 18 (50 x 45 cm)	20 x 20 (50 x 50 cm)
With Mesh Cover	76815	76015	77715	78615	78815	78015	70615	70815	70015
With Incontinence Cover	76825	76025	77725	78625	78825	78025	70625	70825	70025

Bariatric sizes

	22 x 18 (55 x 45 cm)	22 x 20 (55 x 50 cm)	24 x 18 (60 x 45 cm)	24 x 20 (60 x 50 cm)
With Mesh Cover	72815	72015	74815	74015
With Incontinence Cover	72825	72025	74825	74025

Evolution and Evolution PSV™, Evolution Wave and Evolution PSV Wave Spare Covers

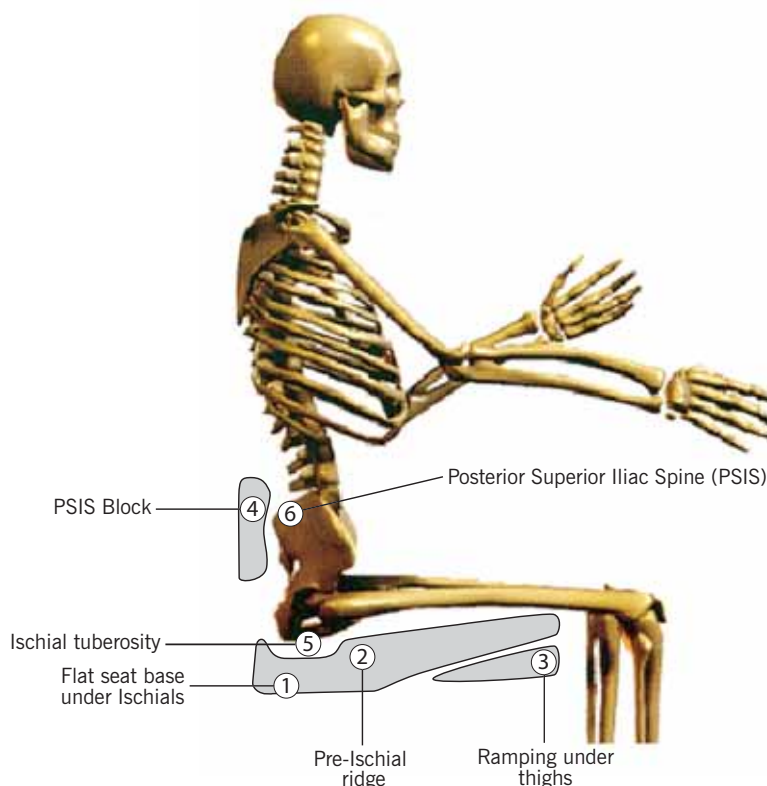
	12 x 14 (30 x 35 cm)	14 x 14 (35 x 35 cm)	14 x 16 (35 x 40 cm)	14 x 18 (35 x 45 cm)	14 x 20 (35 x 50 cm)	15 x 15 (38 x 38 cm)	15 x 17 (38 x 43 cm)	16 x 14 (40 x 35 cm)	16 x 16 (40 x 40 cm)
Mesh									
Standard and CPW Wave	04623	04643	04645	04681	04682	04683	04684	04689	04665
LPB and CPB Wave	05700	05701	05702	05735	05736	05737	05738	05703	05703
Incontinence									
Standard and CPW Wave	04624	04644	04646	04690	04691	04692	04695	04696	04666
LPB and CPB Wave	05717	05718	05719	05740	05741	05742	05743	05720	05720
	16 x 18 (40 x 45 cm)	16 x 20 (40 x 50 cm)	17 x 17 (43 x 43 cm)	18 x 16 (45 x 40 cm)	18 x 18 (45 x 45 cm)	18 x 20 (45 x 50 cm)	20 x 16 (50 x 40 cm)	20 x 18 (50 x 45 cm)	20 x 20 (50 x 50 cm)
Mesh									
Standard and CPW Wave	04667	04601	04640	04685	04687	04679	04605	04607	04599
LPB and CPB Wave	05704	05705	05706	05707	05708	05709	05710	05711	05712
Incontinence									
Standard and CPW Wave	04668	04602	02541	04686	04688	04680	04606	04608	04600
LPB & CPB Wave	05721	05722	05723	05724	05725	05726	05727	05728	05729

Bariatric Sizes

	22 x 18 (55 x 45 cm)	22 x 20 (55 x 50 cm)	24 x 18 (60 x 45 cm)	24 x 20 (60 x 50 cm)
Mesh				
Standard and CPW Wave	04620	04622	04626	04628
LPB and CPB Wave	05713	05714	05715	05716
Incontinence				
Standard and CPW Wave	04621	04625	04627	04629
LPB & CPB Wave	05730	05731	05732	05733

Meridian™ and Evolution™ Wave™

Adjustable Air-Foam Floatation skin protection cushions
with a solid positioning base
— available in three styles.



The standard Meridian and Evolution range of cushions provides

Flat seat base (1) under ischials (5) which encourages neutral pelvis and lordotic spine (cf an angled base which encourages posterior tilt and balancing kyphotic spine).

Pre-ischial ridge (2) reduces risk of pelvis sliding forward and rotating into pelvic tilt.

Ramp under thighs (3) takes pressure away from bony prominences and under safer weight bearing tissues (for pressure maps see p20).

A PSIS block (4) behind the pelvis will work with the pre-ischial ridge, and appropriately positioned postural support device (belt) across the thighs, to control pelvic posterior tilt.

The Meridian™ and Evolution™ Wave™

With our Wave Series, a family of contoured bases for positioning support, clinicians can now combine Meridian, Evolution, and Evolution PSV™ adjustable Air-Foam Floatation skin protection cushions with a solid 'enhanced positioning' base.

Three different Wave designs are available: CPW (Contoured Positioning Wedge), LPB (Lateral Positioning Base), or CPB (Contoured Positioning Base).

These bases enhance the Meridian's and Evolution's natural positioning benefits in the sagittal (anterior - posterior) plane and provide further lateral and medial positioning support (as viewed in the frontal plane) for both the pelvis and the legs, at the same time permitting greater envelopment of soft tissues, and thereby providing wider pressure distribution away from the bony prominences, such as the ischial tuberosities (see pp24-25).

Meridian™ and Evolution™ Wave™



CPW

- lateral thigh support to control thigh abduction
- medial thigh support to control thigh adduction



LPB

- Posterior pelvic support to offload pressure from ischials
- lateral pelvic support to maintain pelvis in centre of seat
- lateral thigh support to control thigh abduction
- solid base of support for postural stability



CPB

- Posterior pelvic support to offload pressure from ischials
- lateral pelvic support to maintain pelvis in centre of seat
- lateral thigh support to control thigh abduction
- medial thigh support to control thigh adduction
- solid base of support for postural stability

VARILITE Wave Positioning Support Comparison Chart

	Lateral Pelvic Support	Posterior Pelvic Support	Lateral Thigh Support	Medial Thigh Support	Firm Base of Support
CPW (Contoured Positioning Wedge)					
LPB (Lateral Positioning Base)					
CPB (Contoured Positioning Base)					

Each Wave positioning support fits securely beneath the Meridian or Evolution cushion and inside the tailored Meridian or Evolution cover. Further adjustments can be made using Cheat Sheets and or cut aways (see examples in ProForm NX section pp10,12-13).

Meridian, Evolution, and Evolution PSV Wave Bases (for Spare Covers see p21)

	12 x 14 (30 x 35 cm)	14 x 14 (35 x 35 cm)	14 x 16 (35 x 40 cm)	14x18 (35 x 45 cm)	14 x 20 (35 x 50 cm)	15 x 15 (38 x 38 cm)	15 x 17 (38 x 43 cm)	16 x 14 (40 x 35 cm)	16 x 16 (40 x 40 cm)	16 x 18 (40 x 45 cm)	16 x 20 (40 x 50 cm)
CPW	05410	05411	05412	05400	05401	05402	05403	05404	05413	05414	05415
	05427	05428	05429	05405	05406	05407	05408	05409	05430	05431	05432
CPB	05444	05445	05446	05461	05462	05463	05464	05465	05447	05448	05449
	17 x 17 (43 x 43 cm)	18 x 16 (45 x 40 cm)	18 x18 (45 x 45 cm)	18 x 20 (45 x 50 cm)	20 x 16 (50 x 40 cm)	20 x 18 (50 x 45 cm)	20 x 20 (50 x 50 cm)				
CPW	05416	05417	05418	05419	05420	05421	05422				
LPB	05433	05434	05435	05436	05437	05438	05439				
CPB	05450	05451	05452	05453	05454	05455	05456				
	22 x 18 (55 x 45 cm)	22 x 20 (55 x 50 cm)	24 x 18 (60 x 45 cm)	24 x 20 (60 x 50 cm)							
CPW	05423	05424	05425	05426							
LPB	05440	05441	05442	05443							
CPB	05457	05458	05459	05460							

Meridian and Evolution Wave CPW (Contoured Positioning Wedge)

Meridian and Evolution Wave CPW provides exceptional positioning of the lower extremities for enhanced sitting posture.



1. Wave Contoured Positioning Wedge

Lateral thigh supports position the lower extremities and control abduction of the thighs. Medial thigh support provides the correct amount of abduction and controls adduction of the thighs. The Wave CPW increases the weight-bearing load on the lower surface of the thighs and decreases the load on the buttocks, without changing the seat-to-back angle. The closed-cell foam CPW will not absorb fluid and is resistant to bacteria. The Wave CPW can also be used in conjunction with a normal Evolution wedge for increased thigh support.

2. Air-Foam Floatation Cushion

3. Cover

Meridian and Evolution Wave LPB (Lateral Positioning Base)

Meridian and Evolution Wave LPB provides a solid base of support and a high degree of pelvic and lower extremity lateral positioning.



1. Wave Lateral Positioning Base

Posterior pelvic supports help to keep the pelvis positioned in the anterior-posterior line, and transfers pressure from the ischial tuberosities to gluteal tissues. Lateral pelvic supports, located under the trochanters, provide lateral stability that maintains the pelvis in the centre of the seat. Lateral thigh supports position the lower extremities and control abduction of the thighs. The Wave LPB provides a firm foundation for postural stability and discourages chair upholstery from slinging. The closed-cell foam LPB will not absorb fluid and is resistant to bacteria. The Wave LPB can also be used in conjunction with a normal Evolution wedge for increased thigh support.

2. Air-Foam Floatation Cushion

3. Cover

Meridian and Evolution Wave CPB (Contoured Positioning Base)

Meridian and Evolution Wave CPB provides a solid base of support and a high degree of pelvic and lower extremity lateral and medial positioning.



1. Wave Contoured Positioning Base

Posterior pelvic supports help to keep the pelvis positioned in the anterior-posterior line, and transfers pressure from the ischial tuberosities to gluteal tissues. Lateral pelvic supports, located under the trochanters, provide lateral stability that maintains the pelvis in the centre of the seat. Lateral thigh supports position the lower extremities and control abduction of the thighs. The Wave CPB provides a firm foundation for postural stability and discourages chair upholstery from slinging. The closed-cell foam CPB will not absorb fluid and is resistant to bacteria. The Wave CPB can also be used in conjunction with a normal Evolution wedge for increased thigh support.

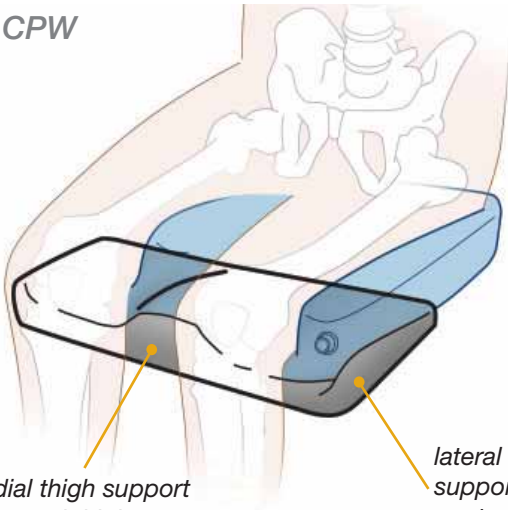
2. Air-Foam Floatation Cushion

3. Cover

Meridian and Evolution™ Wave™ Series

Enhances the Multi-Stiffness Foam of the Meridian and Evolution

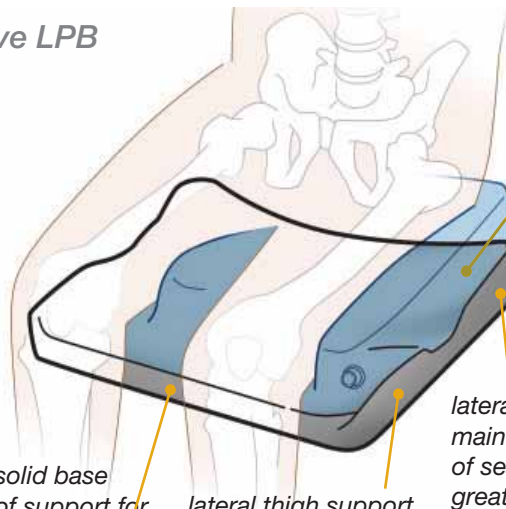
Meridian and Evolution Wave CPW



medial thigh support to control thigh adduction

lateral thigh support to control thigh abduction

Meridian and Evolution Wave LPB



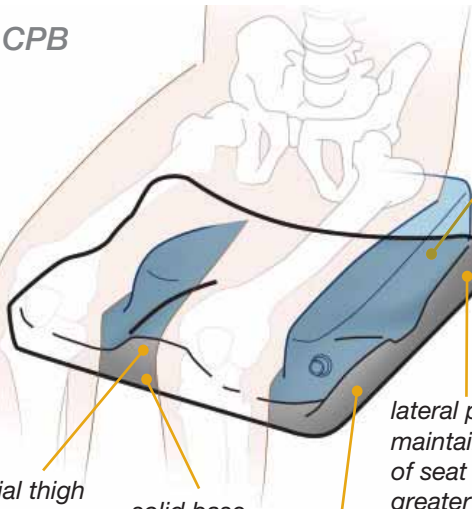
solid base of support for postural stability

lateral thigh support to control thigh abduction

posterior pelvic support taking pressure off ischials

lateral pelvic support to maintain pelvis in centre of seat and support greater trochanters

Meridian and Evolution Wave CPB



medial thigh support to control thigh adduction

solid base of support for postural stability

lateral thigh support to control thigh abduction

posterior pelvic support taking pressure off ischials

lateral pelvic support to maintain pelvis in centre of seat and support greater trochanters





VARILITE™

Zoid PSV™

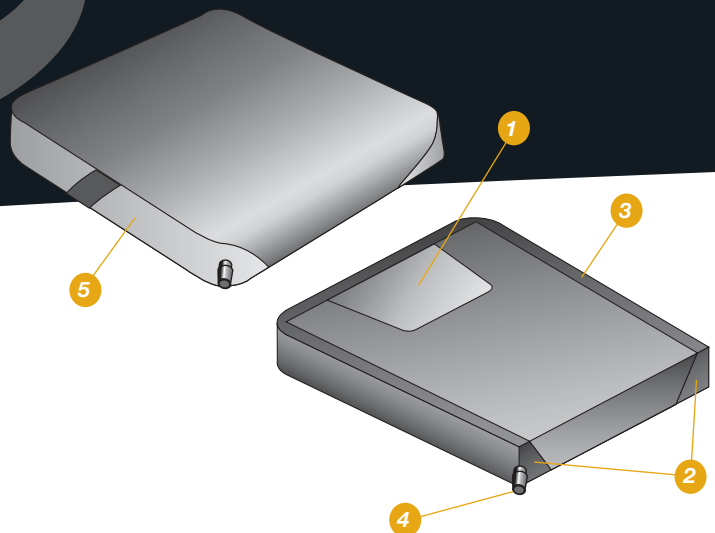
The performance cushion of choice for active wheelchair users at moderate risk of tissue breakdown.

Therapists recommend the Zoid PSV for individuals who need a low profile, tapered cushion without a medial thigh separator. Athletes value its lightweight design and vibration impact dampening. On the court. On the track. On the trail.



Tapered design, low profile, stability, comfort, and simplicity have made the Zoid PSV the preferred performance cushion for active wheelchair users. With a height of only 2.5 inches (6 cm), an 18x18 inch Zoid PSV weighs less than 900g! Its tapered shape makes it ideal for rigid chairs and its cover is designed to protect the thighs of users with tight hamstrings or who tuck their legs under their chair.

Zoid PSV™



1. Air-Foam Floatation

Functional areas of the cushion are created by three types of foam: soft foam for the decubitus-sensitive area of the ITs; medium foam for main seat support area; and firm foam for the perimeter.

Bonding Zoid PSV foam to coated fabric makes the cushion hold air. A valve releases air to immerse the user in the foam, the foam conforms to the user, and the user's weight is distributed over the surface of the cushion.

Independent research has shown VARILITE air-foam floatation to be the No1 impact and vibration dampening technology (RESNA-2000: see page 37).

2. Positioning Supports

Extra-firm, beveled foam increases lateral stability and sitting balance, while a large ischial pan protects the pelvis in both anterior and posterior pelvic tilt positions. There's no medial thigh separator, so lower extremities can drift naturally into midline for better fit in a tapered chair.

3. Two-way stretch Fabric

Two types of fabric are bonded to Zoid PSV foam: two-way stretch knit on the top for maximum conformity and nylon fabric on the bottom for added strength and durability. Fabrics are puncture and water resistant.

4. Valve for Adjusting Air Volume

Zoid PSV uses VARILITE's revolutionary new Pressure Setting Valve (patent pending).

For further information on the PSV Valve, see p20.

5. Cover

Stylish and functional. Two-way stretch mesh fabric wraps around the front edge to eliminate seams. Reticulated foam underneath promotes air and water vapour exchange and improves pressure distribution. The underside of the cushion is a rugged nonslip material with hook and loop for added security. Zoid PSV covers meet ISO 7176-16 ignition resistance standards for upholstered wheelchair components. Machine washable.

Zoid PSV™ (includes cushion and mesh cover)

	12 x 8 (30 x 20 cm)	12 x 12 (30 x 30 cm)	12 x 14 (30 x 35 cm)	14 x 14 (35 x 35 cm)	14 x 16 (35 x 40 cm)	14 x 18 (35 x 45 cm)	15 x 15 (38 x 38 cm)	15 x 17 (38 x 43 cm)	16 x 16 (40 x 40 cm)	16 x 18 (40 x 45 cm)
With Mesh Cover	32800	32200	32400	34400	34600	34800	35500	35700	36600	36800
With Incontinence Cover	32810	32210	32410	34410	34610	34310	35510	35710	36610	36800
	16 x 20 (40 x 50 cm)	17 x 17 (43 x 43 cm)	18 x 16 (45 x 40 cm)	18 x 18 (45 x 45 cm)	18 x 20 (45 x 50 cm)	20 x 16 (50 x 40 cm)	20 x 18 (50 x 45 cm)	20 x 20 (50 x 50 cm)		
With Mesh Cover	36000	37700	38300	38800	38000	30600	30800	30000		
With Incontinence Cover	36010	37710	38310	38810	38010	30610	30810	30010		

Zoid Spare Covers

DON'T FORGET A SPARE COVER
for added longevity and for use during washing of other cover

	12 x 8 (30 x 20 cm)	12 x 12 (30 x 30 cm)	12 x 14 (30 x 35 cm)	14 x 14 (35 x 35 cm)	14 x 16 (35 x 40 cm)	14 x 18 (35 x 45 cm)	15 x 15 (38 x 38 cm)	15 x 17 (38 x 43 cm)	16 x 16 (40 x 40 cm)	16 x 18 (40 x 45 cm)
With Mesh Cover	04651	04652	04653	04654	04655	04697	04698	04699	04656	04659
With Incontinence Cover	04702	04711	04712	04715	04719	04720	04721	04722	04725	04726
	16 x 20 (40 x 50 cm)	17 x 17 (43 x 43 cm)	18 x 16 (45 x 40 cm)	18 x 18 (45 x 45 cm)	18 x 20 (45 x 50 cm)	20 x 16 (50 x 40 cm)	20 x 18 (50 x 45 cm)	20 x 20 (50 x 50 cm)		
With Mesh Cover	04847	04888	04571	04657	04572	04573	04514	04532		
With Incontinence Cover	04727	04728	04729	04730	04731	04741	04781	04785		



VARILITE®

Reflex™

**The non-adjustable cushion of choice
for wheelchair users with a risk of tissue
breakdown.**



Therapists recommend the Reflex for clients who are at moderate risk of skin breakdown. Therapists value the Reflex because the set amount of immersion conforms to their client's body providing comfort and added stability. The Reflex is ideal for nursing homes, hospitals, and other clinical environments where an effective, low maintenance, skin protection wheelchair cushion is required.



Users and caregivers value the simplicity and ease of use of the Reflex. The ultra-lightweight design of the Reflex helps conserve energy expenditure for clients who propel manually.

1. Air-Foam Floatation

Reflex foam is perforated in the sacral-ischial area for maximum protection of the decubitus-sensitive area of the ITs. Bonding Reflex foam to coated fabric makes the cushion hold air. Air-Foam Floatation combines the best properties of air and foam to offer superior skin protection. The air supports the load, while the foam keeps the air where it's needed and preserves the cushion shape. The foam conforms to the user, and the user's weight is distributed over the surface of the cushion.

2. Fabric

Reflex foam is bonded to puncture and water resistant polyester fabric for strength and durability.

3. Air-Release Device

A built-in air-release device (patent pending) automatically releases a portion of air when the user sits on the cushion. The air-release device allows a fixed amount of immersion and prevents bottoming out. When weight is taken off the cushion, it automatically reinflates.

4. Cover

The Reflex features a tailored, removable incontinence cover. The underside is a rugged nonslip material with hook and loop for added security. Machine washable.



Reflex (includes cushion and incontinence cover)

	12 x 12 (30 x 30 cm)	12 x 14 (30 x 35 cm)	14 x 14 (35 x 35 cm)	14 x 16 (35 x 40 cm)	14 x 18 (35 x 45 cm)	14 x 20 (35 x 50 cm)	15 x 15 (38 x 38 cm)	15 x 17 (38 x 43 cm)	16 x 14 (40 x 35 cm)
With Non-adjustable Valve									
With Incontinence Cover	73522	73524	73544	73546	73548	73540	73555	73557	73564
	16 x 16 (40 x 40 cm)	16 x 18 (40 x 45)	16 x 20 (40 x 50 cm)	17 x 17 (43 x 43 cm)	18 x 16 (45 x 40 cm)	18 x 18 (45 x 45 cm)	18 x 20 (45 x 50 cm)	20x16 (50 x 40 cm)	20 x 18 (50 x 45 cm)
With Non-adjustable Valve									
With Incontinence Cover	73566	73568	73560	73577	73586	73588	73580	73506	73508

Reflex Spare Covers

DON'T FORGET A SPARE COVER
for added longevity and for use during washing of other cover

	12 x 12 (30 x 30 cm)	12 x 14 (30 x 35 cm)	14 x 14 (35 x 35 cm)	14 x 16 (35 x 40 cm)	14 x 18 (35 x 45 cm)	14 x 20 (35 x 50 cm)	15 x 15 (38 x 38 cm)	15 x 17 (38 x 43 cm)	16 x 14 (40 x 35 cm)
Incontinence	05534	05535	05536	05537	05538	05539	05540	05541	05542
	16 x 16 (40 x 40 cm)	16 x 18 (40 x 45 cm)	16 x 20 (40 x 50 cm)	17 x 17 (43 x 43 cm)	18 x 16 (45 x 40 cm)	18 x 18 (45 x 45 cm)	18 x 20 (45 x 50 cm)	20x16 (50 x 40 cm)	20 x 18 (50 x 45 cm)
Incontinence	05543	05544	05545	05546	05547	05548	05549	05550	05551



VARILITE™

Seating Accessories

VARILITE™ accessories let the seating specialist customize a client's seating system

Cheat Sheets 02102

VARILITE Cheat Sheets are adhesive-backed sheets of closed-cell foam. Each package contains four pieces of foam measuring 10 x 10 inches (25 x 25 cm). Cheat Sheets can be cut with a blade or scissors and applied to a variety of surfaces.

Simply cut the shape desired, remove the adhesive backing and apply the Cheat Sheet to a clean, dry surface. Layer as needed and round off corners and edges. Apply a final, smooth layer.

Suggested Cheat Sheet Applications:

A popular use for Cheat Sheets is customizing a VARILITE Pro-Form NX™ contoured base. Cheat Sheets are used to build up the medial thigh separator and laterals, smooth cut edges, and improve contact for overall pressure distribution.



Other Cheat Sheet Uses:

- Build contours on planar systems
- Modify back systems for kyphotic posture
- Pad or contour head supports, laterals, hip guides, ASIS bars, arm supports
- Smooth sharp edges on wheelchairs or accessories

Repair Kit for all of the Varilite Cushion ranges

Repair Kit 04194

Note: Repair service available from Healthcare Innovations Australia Pty Ltd. Contact us for further details. Contact details p40.

PLATYPUS

Hydration pack that attaches to just about anything with easy accessibility. The Platypus comes with a lapel clip for easy attachment of the drinking tube

Complete Assembly

Platypus 1 Litre 07500

Replacement Components

Drinking Tube 07702

Bite Valve 07703

Spare 1 Litre Bag and Tube 07700

Spare 1 Litre Bag 07622

An Accessible Hands-Free Personal Hydration System

- Designed specifically for wheelchair users to access drinks independently.
- Encased in a pack, which attaches to the push handles or the frame of the chair.
- A lightweight, collapsible 1 litre reservoir bag lined with a polyethylene film to ensure a fresh natural taste.
- Allows for hands-free drinking by using the two lapel clips.
- The Platypus can accommodate up to 2 litres of fluid.
- Developed with health in mind; drinking the physician-recommended 3 litres of fluid a day is now easier.



Seating Accessories

The *VARILITE* Drop Base is essential for wheelchair users who need to sit lower for self-propelling or transferring.

The *VARILITE* Drop Base is made from durable and lightweight 3/8-inch (1 cm) PVC. Our L-J brackets are hardened steel for superior strength and durability. The hardware allows 4 inches (10 cm) of height adjustment and 15 degrees of angle adjustment - great for changing the seat-to-floor height or seat-to-back or side-to-side angle.

Finger locks secure the Drop Base to the wheelchair and allow for quick removal. *VARILITE* Drop Bases fit wheelchairs that are 13 to 20 inches (33 to 50 cm) wide, with seat rail diameters of 7/8 or 1 inch (2.2 or 2.5 cm).



VARILITE
Drop Base

The *VARILITE* Solid Insert, counters the effects of sling upholstery. For some wheelchair users, sling seating promotes internal rotation of the lower extremities, sacral sitting, posterior pelvic tilt, loss of natural lumbar lordosis, and obliquity of the pelvis. Such poor positioning can result in discomfort and long-term problems. A solid insert offers an easy and cost-effective solution to the problems of sling seating.

The *VARILITE* Solid Insert is made from durable 1/4-inch (6 mm) plywood and is available in paediatric to adult sizes. It can be placed between the cushion and upholstery or, preferably, inside the cushion cover (we round the edges and sand the surface so there is no risk of splintering or puncturing). All *VARILITE* cushion covers are sewn with room for a Solid Insert.



VARILITE Solid Insert

Drop Base

Size	14 x 16 (35 x 40 cm)	16 x 16 (40 x 40 cm)	16 x 18 (40 x 45 cm)	18 x 16 (45 x 40 cm)	18 x 18 (45 x 45 cm)	20 x 20 (50 x 50 cm)
Part No.	04388	04288	04308	04278	04378	04258
Fits Chair Width:	13 - 14 in (33 - 35 cm)	15 - 16 in (38 - 40 cm)	15 - 16 in (38 - 40 cm)	17 - 18 in (43 - 45 cm)	17 - 18 in (43 - 45 cm)	19 - 20 in (48 - 50 cm)

Drop Base Hardware Kit 04351

Solid Insert

12 x 12 (30 x 30 cm)	12 x 14 (30 x 35 cm)	14 x 14 (35 x 35 cm)	14 x 16 (35 x 40 cm)	14 x 18 (35 x 50 cm)	14 x 20 (35 x 45 cm)	15 x 15 (37 x 37 cm)	15 x 17 (37 x 43 cm)	16 x 16 (40 x 40 cm)
04360	04390	04260	04380	04535	04536	04537	04538	04280
16 x 18 (40 x 45 cm)	16 x 20 (40 x 50 cm)	17 x 17 (43 x 43 cm)	18 x 16 (45 x 40 cm)	18 x 18 (45 x 45 cm)	18 x 20 (45 x 50 cm)	20 x 16 (50 x 40 cm)	20 x 18 (50 x 45 cm)	20 x 20 (50 x 50 cm)
04300	04290	04389	04300	04370	04240	04290	04240	04250

Hip Belts

The VARILITE 2-Point Hip Belt attaches at two points, with padding placed relative to the ASIS (anterior superior iliac spine) to provide pelvic support or stability. Attach in front of the greater trochanters to the side wheelchair canes to promote anterior pelvic tilt.

The VARILITE 2-Point Hip Belts are available with a choice of buckle and pull types. Pads are made with soft closed-cell foam covered with breathable knit fabric.



Metal to Metal, Push button, Single Pull - Adjustment is made by pulling a single D-ring away from the user's midline.

Metal to Metal, Side Squeeze, Single Pull

Metal-to-metal side squeeze buckles require more pressure to release than a push button buckle.



Moulded, Side Squeeze, Dual Front Pull - Adjustment is made by pulling two D-rings on either ends of the buckle.

Moulded, Side Squeeze, Dual Reverse Pull - Adjustment is made by pulling the D-rings toward the user's midline.



2-Point Hip Belts

Part #	Description	Buckle	Webbing	Pad Dimension	Length
83012	2-Point, Padded Hip Belt, Extra Small	Metal Side Squeeze, Single Pull	25mm	100x38mm	1210mm
83112	2-Point, Padded Hip Belt, Small	Metal Side Squeeze, Single Pull	25mm	150x38mm	1270mm
83212	2-Point, Padded Hip Belt, Medium	Push Button, Single Pull	38mm	220x63mm	1520mm
83312	2-Point, Padded Hip Belt, Large	Push Button, Single Pull	38mm	270x63mm	1520mm
84212	2-Point, Padded Hip Belt, Medium	Plastic Side Squeeze, Dual Pull	38mm	220x63mm	1520mm
84312	2-Point, Padded Hip Belt, Large	Plastic Side Squeeze, Dual Pull	38mm	270x63mm	1520mm
85012	2-Point, Padded Hip Belt, Extra Small	Plastic Side Squeeze, Single Pull	25mm	100x38mm	1210mm
85112	2-Point, Padded Hip Belt, Small	Plastic Side Squeeze, Single Pull	25mm	150x38mm	1270mm

Reverse Pull

Part #	Description	Buckle	Webbing	Pad Dimension	Length
83016	2-Point, Padded Hip Belt, Extra Small	Metal Side Squeeze, Reverse Pull	25mm	100x38mm	1210mm
83116	2-Point, Padded Hip Belt, Small	Metal Side Squeeze, Reverse Pull	25mm	150x38mm	1270mm
83216	2-Point, Padded Hip Belt, Medium	Push Button, Reverse Pull	38mm	220x63mm	1520mm
83316	2-Point, Padded Hip Belt, Large	Push Button, Reverse Pull	38mm	270x63mm	1520mm
85016	2-Point, Padded Hip Belt, Extra Small	Plastic Side Squeeze, Reverse Pull	25mm	100x38mm	1210mm
85116	2-Point, Padded Hip Belt, Small	Plastic Side Squeeze, Reverse Pull	25mm	150x38mm	1270mm



Metal to Metal, Push button, Front Single Pull -
Single pull adjustment is made by pulling a D-ring away from the user's midline.



Moulded, Side Squeeze, Dual Front Pull -
Adjustment is made by pulling two D-rings on either ends of the buckle.
Available in front pull.



Metal to Metal, Aircraft Latch, Single Front Pull -
Mechanism is ideal for clients with limited hand function.

The VARILITE 4-Point Hip Belt provides four directions of pull, and is appropriate when the client has moderate to severe positioning needs, such as pelvic rotation and windswept deformities.

A 4-point hip belt is better suited than a 2-point belt to decrease anterior pelvic tilt. Place the padded portion of the hip belt across the ASIS, and attach the belt to the back canes or to a solid back, several inches above the back-to-seat junction. Use the secondary straps to stop the belt from rising into soft tissue by fastening these to the horizontal seat bars.

The VARILITE Unpadded Hip Belt attaches to the wheelchair at two points and is a single front pull belt.

Cleaning

VARILITE secondary supports are machine washable. Remove all hardware. Place the hip belt, chest harness or Band-It in a large sock or pillowcase to prevent damage. Air dry.

4-Point Hip Belts

Part #	Description	Buckle	Webbing	Pad Dimension	Length
83214	4-Point, Padded Hip Belt, Medium	Push Button, Single Pull	38mm	220x63mm	1520mm
83314	4-Point, Padded Hip Belt, Large	Push Button, Single Pull	38mm	270x63mm	1520mm
84214	4-Point, Padded Hip Belt, Medium	Plastic Side Squeeze, Dual Pull	38mm	220x63mm	1520mm
84314	4-Point, Padded Hip Belt, Large	Plastic Side Squeeze, Dual Pull	38mm	270x63mm	1520mm
85014	4-Point, Padded Hip Belt, Extra Small	Metal Side Squeeze, Single Pull	25mm	100x38mm	1210mm
85114	4-Point, Padded Hip Belt, Small	Metal Side Squeeze, Single Pull	25mm	150x38mm	1270mm

Unpadded Hip Belts

Part #	Description	Buckle	Webbing	Length
81022	2-Point, Unpadded Hip Belt, Medium	Aircraft Latch, Single Pull	50mm	1520mm
82022	2-Point, Unpadded Hip Belt, Large	Push Button, Single Pull	50mm	1520mm

Ankle-Positioning Devices

An ankle-positioning device does more than lower extremity positioning. **Ankle-positioning enhances full body positioning.** It is ideal for individuals with poor lower extremity control, spasticity, impaired sensation, eversion/inversion malalignments, body-scheme deficits, and heel cord shortening. **Ankle-positioning devices are designed to be worn over socks and shoes.**



VARILITE Band-It™

The VARILITE Band-It™ positions the lower extremities, and is ideal for individuals with poor lower extremity control, spasticity, impaired sensation, eversion/inversion malalignments, body-scheme deficits, and heel cord shortening.

The VARILITE Band-It is made with soft closed-cell foam covered in knit fabric edged with a nylon binding. The front closure is a high-strength, moulded side squeeze buckle. The Band-It attaches to the footplate of a wheelchair.

VARILITE Band-It has a **Dynamic Positioning Strap**. Dynamic positioning allows freedom of ankle movement, which prevents joint stiffening. If the client has increased extensor tone, the dynamic component keeps the foot in place, while maintaining flexion at the ankle.

Dynamic positioning is achieved by adjusting the length of the webbing within the tension lock. For a dynamic effect, the Webbing is left lax (Fig.1), while for a static effect, the webbing is pulled taut through the tension lock (Fig.2).

Size Selection and Mounting:

The Band-it is designed to secure around the ankle, with the body of the device extending over the top of the client's shoes to distribute pressure over a larger area. **It is important that a client wears shoes and socks during Band-it use.**

Measure the circumference of the ankle, two finger widths above the malleoli (Fig.3). When measuring, the client should be wearing shoes, socks and applicable orthoses.

Extra Small	4 - 6 in.	(10 - 15 cm)	Medium	9 - 11 in.	(23 - 28 cm)
Small	6 - 9 in.	(15 - 23 cm)	Large	11 - 13 in.	(28 - 33 cm)

To allow for greater range of motion at the ankle, place the mounting hardware away from the foot; for less motion, mount the hardware closer to the sides of the foot (Fig.4). Hardware placement should be made in collaboration with a therapist or other qualified health care provider.

As with all positioning devices, perform regular skin checks to monitor skin condition and promptly inform the client's healthcare provider of any redness or open areas.

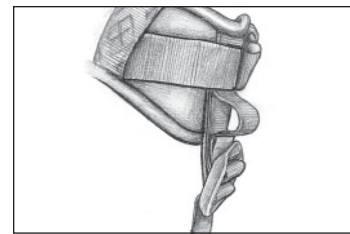


Fig. 1 - Band-It in Dynamic mode

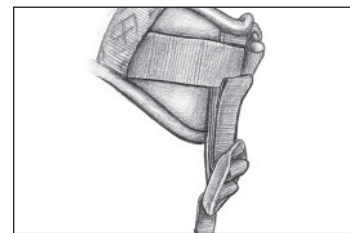


Fig. 2 - Band-It in Static mode



Fig. 3 - Measuring Ankle

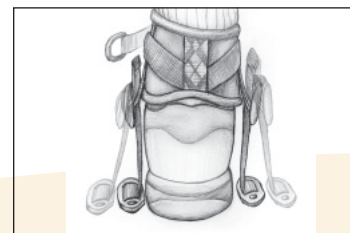


Fig. 4 - Hardware placement options

Band-It™ pair, including mounting kit

Part #	Description	Buckle	Webbing	Fits Circumference of:
89003	Ankle Support, Extra Small	Side Squeeze, Single Pull	19mm	10 - 15cm
89000	Ankle Support, Small	Side Squeeze, Single Pull	25mm	15 - 23cm
89001	Ankle Support, Medium	Side Squeeze, Single Pull	25mm	23 - 28cm
89002	Ankle Support, Large	Side Squeeze, Single Pull	25mm	28 - 33cm

Chest Harnesses



Top Pull, Side Squeeze - A top pull chest harness is ideal for caregivers who position the user from behind.



Chest Belt - D-ring for limited hand adjustment. Right or left hand adjustment.

The VARILITE Contoured Chest Harness is designed for an anatomically optimal fit. Its contoured shape and moulded channels allow the pads to curve, especially around breast tissue and other natural contours. Pads are constructed from low-slip, laminated closed-cell foam, edge-bonded for durability and comfort, with a dynamic positioning strap that gives the user the option of a static or dynamic harness. Dynamic movement is beneficial during functional activities, such as reaching, or for clients with spasticity.

A chest harness should always be used in conjunction with a hip belt and always requires a solid back system.

The VARILITE Contoured Chest Harness includes camlock and tri-end hardware for attachment to the wheelchair. Camlocks secure top webbing to the solid back system.

VARILITE Contoured Chest Harnesses are available in Paediatric to Adult sizes.

The VARILITE Chest Harness has a **Dynamic Positioning Strap** at the top of the pad that allows dynamic movement. An elastic strap is threaded through a tri-glide in combination with the top webbing. When the webbing is pulled tightly through the tri-glide, the elastic component is eliminated, providing a static effect (Fig.1). When threaded loosely, the dynamic component is engaged allowing the user freedom of movement (Fig. 2).

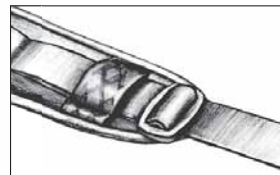


Fig. 1 - Dynamic Strap in static mode.

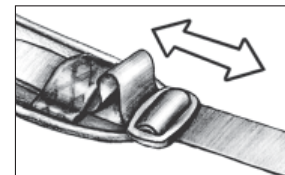


Fig. 2 - Dynamic Strap in stretch mode.

A chest belt is placed across the chest, just under the armpits, to provide mild upper torso support. **Never place a chest belt across the abdomen.**

The VARILITE Chest Belt can also be used as a thigh belt to assist in lower extremity positioning. **A thigh belt should not be used without a hip belt unless the client has good pelvic control.**

Chest Harnesses

Part #	Description	Buckle	Webbing	Pad Dimension
87115	Contoured Chest Harness, Extra Small	Side Squeeze and Shoulder Cam	19mm	220x38mm
87215	Contoured Chest Harness, Small	Side Squeeze and Shoulder Cam	25mm	350x45mm
87315	Contoured Chest Harness, Medium	Side Squeeze and Shoulder Cam	25mm	400x45mm
87415	Contoured Chest Harness, Large	Side Squeeze and Shoulder Cam	25mm	460x45mm

Chest Belt

Part #	Description	Buckle	Closure	Webbing	Length
88027	Chest Belt	None; Single Pull	Hook & Loop	50mm	1460mm

Evaluation of Varilite Wheelchair Cushions

An independent study carried out by the Centre for Disability Research and Innovation, Institute of Orthopaedics and Musculo-Skeletal Science, UCL, Stanmore, Middlesex HA7 4LP

Cushions from the Evolution, Solo, and Stratus ranges of Varilite cushions were tested using a simulated backside (a Skeletal Embedded Loading Indentor – Figure 1) to characterize interface pressure distributions following the protocols set out in the original Committee Draft of ISO-16840-2 (Wheelchair Seating – Part 2: Test methods for devices intended to manage tissue integrity – Seat Cushions) in 2001. The cushions were measured when new, and then following a repetitive load test of 200,000 cycles, which has been designed to simulate fatigue from a lifetime of use.

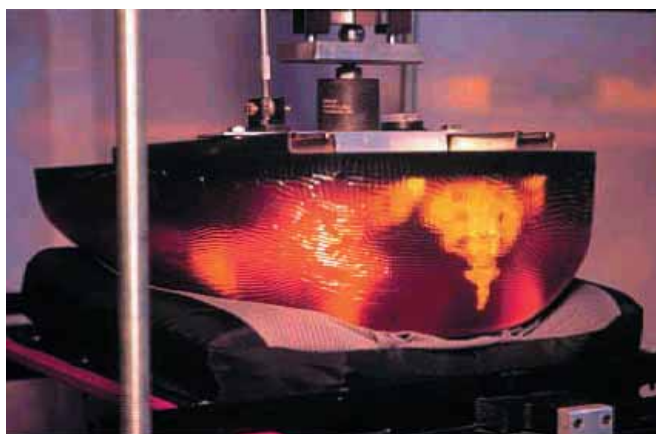


Figure 1 Skeletal Loading Indentor

The data from the Varilite cushions were compared with the results obtained from 3” thick blocks of HR45 and HR70 high resilience foam. Foam is used widely in many low cost cushions, and is usually effective for pressure care in the short term, but tends to develop a ‘set’ and break down within a short number of months. Any cushion that ‘performs’ even better than new foam obviously has advantages.

Cushion characteristics

For a cushion to be effective, it should spread the person’s weight over as large an area as possible (the larger the area the better) – this spread of contact area equates with **envelopment** of the user’s buttocks and thighs.

A second important characteristic is the cushion’s ability to take pressures away from bony prominences, such as ischial tuberosities, sacrum, and greater trochanters – referred to as **dispersion** (the lower the value the better the dispersion).

The next consideration is how effective the cushion is at reducing the **maximum pressure** (the lower the better), and how evenly the pressure is distributed: the latter is called the **Peak Pressure Index (PPI)** and the lower this value, the more evenly the pressures are distributed.

The resilience of the cushions and their recovery characteristics have also been measured, but Nicholson et al (2004) question the value of these measures, indicating that they can give misleading results that may not be relevant to the different types of cushion

assemblies now generally marketed: these measures also do not take into account conformability of the cushion nor the custom fit to an individual.

Results

Envelopment

The data presented in Figure 2 show that all three Varilite cushions provide up to twice as much envelopment as ordinary foam, and this characteristic changed little with fatiguing. The ‘higher’ grade the cushion, the better the envelopment. i.e. the Evolution performed better than the Solo than the Stratus.

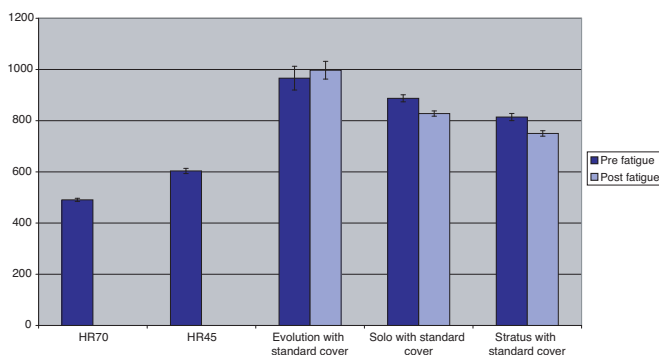


Figure 2 Envelopment

Dispersion

The data presented in Figure 3 show that all three Varilite cushions are better at dispersing the pressure away from the bony prominences than ordinary foam and, again, the ‘higher’ grade the cushions, the better the dispersion.

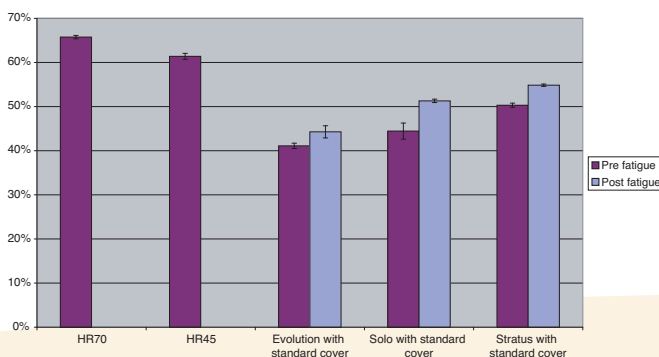


Figure 3 Dispersion

Maximum Pressure

As shown in Figure 4, the maximum pressure readings underneath the test 'backside' were up to twice as high on ordinary foam than they were on the three Varilite cushions. The higher the 'grade' of the cushion, the lower the maximum pressure.

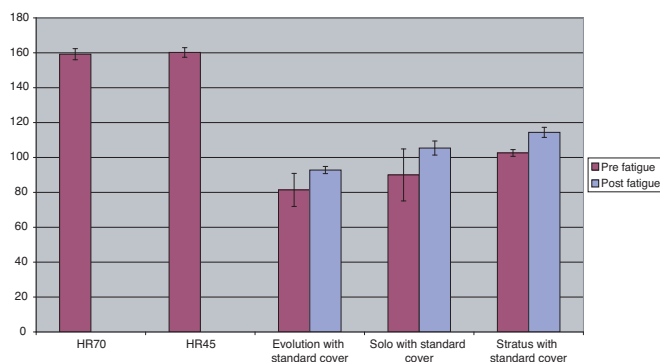


Figure 4 Maximum Pressure (mm Hg)

Peak Pressure Index (PPI)

This is a measure of how evenly pressures are distributed across the whole cushion. Figure 5 shows that all three Varilite cushions performed up to twice as well as ordinary foam. Before fatiguing, the 'higher' the grade of cushion, the better the outcome. After fatiguing, all three cushions performed similarly to each other, but all still performed significantly better than unfatigued ordinary foam.

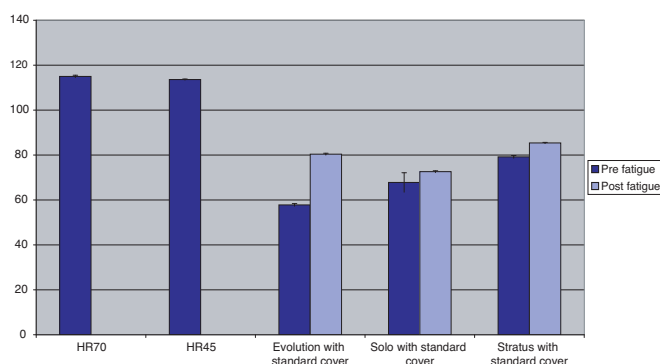


Figure 5 Peak Pressure Index

Overview

These independent tests show that Varilite cushions provide greatly superior pressure care characteristics when compared with ordinary foam, and that increasingly good results are obtained as one moves from the Stratus to the Solo to the Evolution cushion.

The published summary of this work was presented to the 7th EPUAP meeting in Tampere, Finland in 2003 (Nicholson et al 2004). Material from the full report can also be obtained from BES Rehab Ltd.

Reference

Nicholson G, Bain D, and Ferguson-Pell M (2004) Practical experience in using draft ISO (CD 16840-2) test methods for Wheelchair Seating – Part 2: Test methods for devices intended to manage tissue integrity *EPUAP Review* Vol 6 No 1

Analysis of Vibration and Comparison of Four Wheelchair Cushions During Manual Wheelchair Propulsion

Abstract

The purpose of this study was to compare four cushions, a Jay Active (JA), a PinDot Comfort-Mate (PDCM), a Roho Low Profile (RLP), and a Varilite Solo (VS), based on their ability to minimise the vibrations transmitted from the wheelchair to the individual during manual wheelchair propulsion (MWP). Accelerometers measured the vibrations at the wheelchair/cushion interface and at the individual's head as the individual traversed an obstacle course. The VS performed the best, followed by the PDCM, the RLP and finally the JA, suggesting that a combination of foam and air minimises the transmission of vibration. Cushions designed for static pressure relief may not perform well in other areas potentially related to secondary injuries such as vibration.

DiGiovine, C.P., Cooper R.A., Wolf E.J., Hosfield, J and Corfman, T Analysis of Vibration and Comparison of Four Wheelchair Cushions During Manual Wheelchair Propulsion Proc RESNA 2000, 429-431.





Life Without Compromise

At VARILITE we believe better seating and postural support can deliver a better quality of life for the user. It appears we are not the only ones. Take a look at this small selection of satisfied VARILITE cushion users, and see what a difference a VARILITE makes.

My Reflex™ cushion has decreased my back pain.



I was born with Spina Bifida and have used a wheelchair for mobility for most of my life. For the past 35 years or so I have seen amazing changes in the improvements of different types of wheelchairs and wheelchair seating systems. Until I was crowned Ms Wheelchair Washington 2008, I never realized how many amazing medical companies there are right here in Washington State. Although I usually learn about wheelchairs and medical equipment through other wheelchair users, recently I had the opportunity to meet and learn more about some of the different medical companies like VARILITE that provides products to wheelchair users. This year I purchased a brand new TiLite wheelchair and was just sitting on the generic foam seat cushion that came with the wheelchair. I have always used standard foam cushions that come with the wheelchairs I have had, but after learning more about VARILITE products I discovered a cushion called the Reflex™. I am so glad I did because compared to standard foam cushions, I had no idea what I was missing out on.

Throughout my life I have always loved wheelchair sports such as tennis, sailing, and handcycling. Besides enjoying recreational activities that get me out in the great outdoors of the Northwest, I work 40 plus hours a week. I have worked all of my adult life, but since becoming Ms Wheelchair Washington my schedule has become very hectic due to speaking engagements, disability events, and traveling. I am lucky that that I have good circulation and sensation in my lower extremities, so I don't have to worry about issues like skin breakdown, but being in my wheelchair for hours on end, I still get uncomfortable and have pain in my lower back. Some of the biggest changes I have noticed since I started using the Reflex™ cushion is that it has reduced my lower back pain, my posture has significantly improved and overall I am very pleased with an effective seating support that far exceeds a generic foam cushion. I have received feedback from other people who see me regularly and they notice my posture has improved and I appear to be sitting taller. I also love the added feature that the Reflex™ cushion provides after I transfer off it, it reinflates itself! It feels like I am sitting on a new cushion every time I transfer back into my wheelchair. The benefits of so much support and comfort greatly improve my overall feelings of health and wellness - WITHOUT having to depend on muscle relaxers or pain meds!!

~ Meg Paulsen has Spina Bifida and was Ms Wheelchair Washington 2008.

My ProForm NX™ offers great positioning options for me!



I am 32 years old, just got married last year, and have had Cerebral Palsy since birth. I work as an ATP (Assistive Technology Practitioner) at Portland State University. I am also a performance artist and teacher of improvisation dance, and have been active in the disability arts movement for the past 5 years. I began dancing in 2003 after taking the Dance Ability teacher training course in Trier, Germany. I went on to teach Dance Ability in Portland and surrounding countries, like Canada and Mexico. I was also elected a member of the teaching body of the West Coast Contact Improvisation Festival in 2006. I have a BA from Portland State University with a concentration in Art History.

Since I work as an ATP, and have used power wheelchairs and manual wheelchairs for a long time, I am pretty educated in the world of the medical industry. I currently use a power wheelchair and have been using the VARILITE ProForm NX™ cushion for just over a year. I like the ProForm NX cushion because it has more stability than my previous air-cell cushion. It is comfortable and I like the air and foam combination.

With more positioning options that are available with the ProForm NX, I feel that my comfort level and stability have increased. I worked with a physical therapist and local vendor to obtain my cushion for insurance reasons, but I definitely found the right cushion for me through comparison shopping, and trial and error. I would highly recommend VARILITE products to people in wheelchairs.

~ Erik Ferguson is an ATP, wheelchair user since birth, and performance artist.

Improved Stability and Ease of Use



Every once in a while you get lucky and find a product that exceeds your expectations. The VARILITE Evolution PSV™ cushion is just such a product.

I recently went on a safari in South Africa, in a camp out in the middle of no man's land, where everything has thorns or teeth. In preparing for the trip I made sure that all of my equipment was rugged and reliable to survive the rigors of the environment. There was one thing that troubled me, and that was the air-only cushion I had been using which had developed another leak.

Luckily, I met someone from VARILITE just before the trip who recommended I try an Evolution PSV. It was so much easier and more stable right from the start. It has a self-adjusting pressure setting valve instead of a separate pump. The valve worked flawlessly with all the altitude and temperature changes which affect air pressure. And there were no leaks, which has been a constant problem for me with the air-only cushion and my active lifestyle.

The comfort of the cushion is even better than my former cushion, especially because of the foam that adds so much more stability.

Thanks for making my life easier and better, VARILITE!

~ Doug



TERMS AND CONDITIONS OF SALE

WARRANTY

All VARILITE products have been carefully inspected prior to shipping. All belt and harness packaging bags and cushion tags have been marked with serial numbers that correlate to a specific history of materials and workmanship. All products are warranted against manufacturer's defects for two years from the original date of purchase with the exclusion of covers which are warranted for one year. This warranty is limited to the repair or replacement of components and does not cover incidental or consequential damages. This warranty is only valid for the original purchaser of the product.

Should a product be found defective under this warranty, we will repair it or replace it, at our option, free of charge. Alteration of the components, abuse (punctures, cuts, burns or abrasions), misapplication, normal wear, or failure to close the valve are not included, nor is the cover included. If a returned component is considered damaged due to alteration, abuse, or normal wear, you will be contacted.

If a problem arises with your VARILITE product, please call us. For a return under warranty, you will need a Return Authorization number.

STOCK RETURNS

Please contact Healthcare Innovations Australia Pty Ltd within 30 days of the purchase date for a return authorization number. All stock returns are subject to a 15% restocking fee, plus applicable freight charges.

CLAIMS

Invoices are dispatched separately at the same time as the goods. All claims for non-receipt are to be made within seven days of invoice date.

PAST DUE ACCOUNTS

Past due invoices will incur finance charges of 10% late payment surcharge and interest of 3% per month or part of month.

TERMS

Please note that all prices quoted are exclusive of

- Carriage
- Consultancy charges
- Fitting charges

Prices are subject to change without notice.

Cushion sizes are approximate and will tend to be up to 25mm smaller than the stated sizes



The items in this catalogue can be obtained from your local stockist