

# Adjustable Seating System

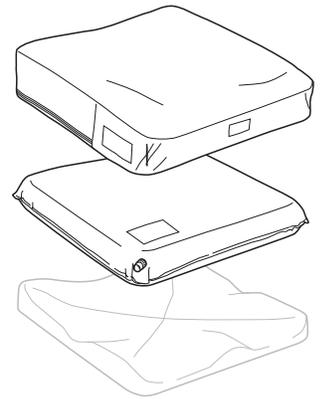
## Instruction Manual

### Supplier:

Please ensure the user of this wheelchair cushion receives and understands this important product information.

### Product Covered in this Manual

Evolution™, Evolution Wave™, Evolution PSV™, Evolution Wave PSV™, Meridian™, Meridian Wave™, Zoid™, ProForm NX™, Solo™, Solo PSV™, Stratus™, JUNIOR Seat Cushion



### Intended Use and Contraindications

VARILITE seating systems are designed to be placed on the seating surface of a wheelchair to offer pressure distribution, increased comfort and positioning support. The seating systems are designed as an accessory for wheelchair users.



Unless stated otherwise, VARILITE seating systems have a maximum user weight of 650 lbs (294 Kg). Weight limitations are not typically a concern when the cushion is properly sized to the individual. The VARILITE JUNIOR seating system has a weight limit of 200 lbs.

	Level of Skin Protection	Level of Postural Support	Positioning Support Type
<b>Evolution, Evolution Wave, Evolution PSV, Evolution Wave PSV, Solo, Solo PSV</b>	Moderate-High	Moderate-High	Symmetric
<b>Meridian, Meridian Wave</b>	High	High	Symmetric
<b>Zoid</b>	Moderate	Mild	Symmetric
<b>ProForm NX</b>	High	High	Asymmetric
<b>Stratus</b>	Moderate	Moderate	Symmetric
<b>JUNIOR</b>	Moderate	Moderate	Symmetric

### Important Warning and Safety Information

VARILITE products should be selected, configured and prescribed by a seating professional who is experienced in seating and positioning, and is capable of determining if the product is suitable for an individual's specific needs. The intended use statement alone is not sufficient to make this determination.

TO AVOID INJURY, read, understand and follow all instructions and warnings in this manual before using your VARILITE product.

#### WARNINGS

- Do not use your cushion if the foam on the inside of the cover is wrinkled or folded. If the foam is wrinkled or folded it can create a pressure point which may lead to a pressure ulcer. Take care not to wrinkle or fold the foam during transfers. Replace the cover if the foam is wrinkled or folded.
- Ensure the cushion and cover are free of foreign objects that could damage the cushion or cause pressure points.
- Skin redness can indicate the beginning of a pressure ulcer. Perform regular skin checks to monitor skin redness, particularly around bony prominences. Contact your health care provider immediately if persistent redness is noted.
- In addition to the clinician recommendations for proper inflation and configuration of your VARILITE seating system, make sure to follow all recommendations on proper pressure relief frequency and techniques.
- Never expose your VARILITE cushion to sharp objects.
- Never place sharp or heavy objects on top of your seating system.
- Protect your cushion from pet claws.
- To avoid permanent cushion damage, never store your seating system in conditions of extreme heat or leave in a hot car.
- To avoid tissue damage, do not sit on a seating surface that has been left in direct sunlight or in a hot car.
- If you have any concerns about usability or performance of your cushion, see your health care professional.
- When changing seat or back supports, it may be necessary to consult a therapist or seating professional to have minor adjustments made to your wheelchair and secondary supports, as wheelchair systems can vary greatly.

#### CAUTIONS

- To ensure optimal cushion performance and foam integrity, VARILITE recommends that you leave the valve open and allow your VARILITE cushion to fully inflate overnight at least once a week. Repeat the "Cushion Setup" procedure when you are ready to use it again.
- Check your cushion's inflation level daily and when changing altitudes.
- The cushion will deflate under pressure if punctured or if the valve is not fully closed. If you suspect your cushion has

### Symbol Glossary

	Weight Limit
	Warning / Caution
	Authorised Representative in the European Union
	Width of product
	Depth of product
	Bottom or inferior orientation of product
	Front or anterior of product
	Back or posterior of product
	Manufacturer
	Date of Manufacture
	Consult Electronic Instructions for Use
	Solution consisting of minimum 70% Isopropyl Alcohol.

been punctured, immediately contact the company that provided you with the cushion, or contact VARILITE customer service for instructions on how to repair your cushion.

- VARILITE cushions and covers always shall be used together. The cushion cover is an essential part of the seating system for optimal performance. Using the cushion without its cover increases the risk of flammability. When the cushion and cover are used together, all VARILITE seating systems have met the flammability requirements of ISO 8191-1 and ISO 7176-16. The Evolution, Meridian, and Zoid additionally meet the requirements of BS EN 1021-1 and BS EN 1021-2.
- If your wheelchair is equipped with a fabric upholstered seating surface, ensure that it is adjusted properly to prevent hammocking and unintended postural effects.

## Product Detail and Specifications

**Note:** If you received an Evolution, Solo, or Stratus cushion, it is possible to remove the cushion from the cover and flip the valve location side to side. Zoid cushions are directional and cannot be flipped.

**Materials used in the construction of VARILITE seating systems:** VARILITE does not use latex or phthalates anywhere in the construction of our products.

## CUSHION SETUP AND ADJUSTMENT

1. Remove the cushion from the packaging and open the valve by turning it counter-clockwise, allowing the cushion to fully inflate. You should not be sitting on the cushion at this time.
2. Close the valve by turning it clockwise.

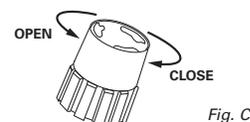
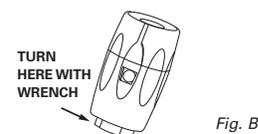
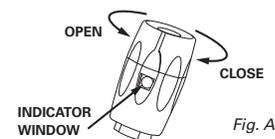
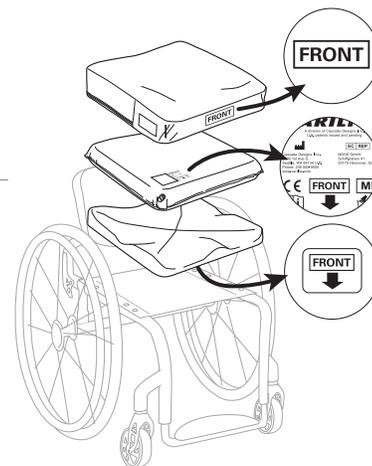
### Adjusting air level in a cushion equipped with a PSV™ (Pressure Sensing Valve):

1. Begin with the cushion on the wheelchair, fully inflated with the valve closed.
2. Transfer onto the cushion.
3. Open the valve by turning it counterclockwise until the pre-determined position number ("1", "2", or "3") appears in the indicator window. **Unless otherwise indicated by your clinician, use position "2".** Air will escape until the valve automatically shuts off (approximately 10-15 seconds). *Fig. A*
4. Once the valve has shut off the release of air, close the valve by turning it clockwise. This prevents additional release of air due to weight shifts, transfers, propulsion, etc.

The PSV is located on the right side of VARILITE cushions. For operation from the left side, remove the cushion from the cover and rotate the PSV 180°. To prevent damage to the valve body, use a 1/2 in. open-end wrench, open the valve all the way, and place the wrench on the flat shoulders at the base of the valve body. *Fig. B*

### Adjusting air level in a cushion equipped with a standard valve:

1. Begin with the cushion on the wheelchair, fully inflated with the valve closed.
2. Transfer onto the cushion.
3. Turn the valve counterclockwise to open the valve and release air. You want to sink down about 1 to 2 inches (2.5 to 5 cm). *Fig. C*
4. Close the valve when the proper level of immersion is reached. Generally, this is indicated by 1/2 to 1 inch (1.3 to 2.5 cm) of air and foam between the ischial tuberosities and the seating surface. Always follow your clinician's recommendations for proper cushion adjustment.



## TROUBLESHOOTING

If you suspect your cushion is not holding air, immediately stop using your product and consult your healthcare professional. For additional assistance, please contact VARILITE customer service.

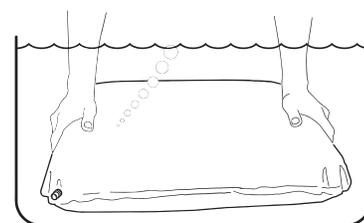
### How to determine the location of a leak (dunk test):

1. Remove the cover and inflate the cushion. Close the valve completely by turning it clockwise.
2. Fill a large sink or tub with several inches of water
3. Submerge cushion in the sink or tub of water.

If the cushion is punctured, you should see small air bubbles coming from the location of the puncture. *Fig. D*

If you see bubbles coming out of the cushion, contact the company that provided your product or VARILITE customer service or your healthcare professional.

<p><b>The cushion is uncomfortable or unstable</b></p>	<p>Follow the instructions found in the owner's manual on cushion setup and operation. Ensure the components of your cushion are properly installed and oriented in the cover, and that the cushion is oriented correctly on the seating surface (see diagram in owner's manual for orientation instructions). If the cushion is still uncomfortable or unstable, consult your health care provider.</p>
<p><b>The cushion slides around on my wheelchair</b></p>	<p>Make sure the non-skid surface is facing down, and that your seating system is oriented correctly. For additional retention, you can use the hook and loop fasteners included on the bottom panel of your cushion cover to fasten your cushion to the seating surface.</p>



*Fig. D*

**CLEANING AND DISINFECTION**

- ⚠ Warning: Do not use quaternary ammonium-, chlorine- or hydrogen peroxide-based products to disinfect your seating system. These products can damage your seating system.
- ⚠ Disinfectants are NOT effective on porous surfaces such as foam or wood. If necessary, they may be cleaned by hand wiping with a damp cloth. They cannot be effectively disinfected and must NOT be used by different individuals.
- ⚠ VARILITE recommends a minimum 70% solution of isopropyl alcohol for use as a disinfectant.

**Cover Cleaning and Disinfection Procedure:**

See laundering symbols in this document and on care and use tag.

**Cushion Cleaning and Disinfection Procedure:**

1. Hand wash cushion under hot tap water until all visible soil is removed from the cushion. Use mild liquid dish soap if needed. Repeat if necessary.
2. Rinse the cushion thoroughly, so that the soap is completely removed from the cushion.
3. Let cushion dry for at least 30 minutes.
4. Spray entire cushion with 70% Isopropyl alcohol (IPA) ensuring that the entire pad is saturated.
5. Let cushion dwell with 70% IPA for 10 minutes.
6. Repeat steps four and five once more.
7. Ensure cushion is fully dry before resuming normal use.



**Cover Cleaning & Disinfecting Instructions**



**Cushion Cleaning Instructions**

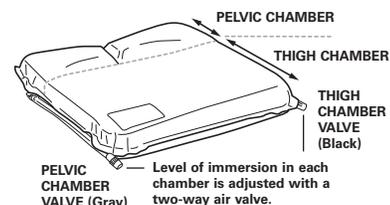


**Cushion Disinfecting Instructions**



**Meridian Cushion Instructions**

1. In an unloaded state, fully inflate both the pelvic and thigh chambers of the cushion by opening each air valve. Close each air valve when chambers are fully inflated.
2. With the user sitting on a fully inflated cushion, open the gray valve to release air from the pelvic chamber. Close the valve when the user is sitting on approximately 1/2-inch (13 mm) of air and foam. Setting the pelvic chamber first allows for maximum immersion of the pelvis and optimal pressure distribution.
3. Once the pelvis is properly immersed, open the black valve to release air from the thigh chamber. Close the valve when optimum load on thighs is achieved. The independent thigh chamber allows for maximum loading of the thighs. Increasing load on the thighs relieves pressure from the ITs where pressure is not well tolerated.



**ProForm NX Instructions**

These guidelines are provided to help inform seating and mobility professionals of recommended tools and modification techniques for the ProForm NX product.

The ProForm should be adjusted according to the instructions of your seating professional and according to the desired outcomes of your postural positioning goals. When adjusting for positioning, ensure there is a minimum of 1/2 to 1 inch (1.3 to 2.5 cm) of air and foam between the ischial tuberosities and the seating surface. Always follow your clinician's recommendations for proper cushion adjustment.

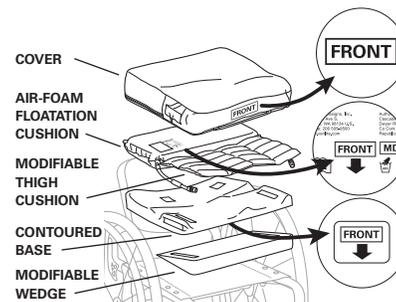
**Modifying Components**

1. Modify Contoured Base with a blade or electric knife.
  2. Cut Modifiable Wedge with a blade or electric knife.
  3. Cut Modifiable Thigh Cushion with a blade or electric knife. Use scored lines on bottom for dimensional reference.
- Use care when cutting with a blade or knife.*



**Cinching the Cover**

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



### TRANSPORTATION, DISPOSAL, AND RECYCLING

Should you need to ship your VARILITE product, place in a plastic bag to keep dirt and debris off the seating system, and place into a cardboard shipping box.

At the end of its useful life, treat your VARILITE product as general waste and dispose of in accordance with all applicable local regulations. Contact your local recycling authority to determine if recycling options exist for the product.

### MANUFACTURER AND WARRANTY INFORMATION

For VARILITE product warranty information, please refer to the dealer or distributor you purchased your product from.

Products may be covered by one or more US and international patents and trademarks, including VARILITE®, Evolution™, Evolution PSV™, Evolution Wave™, Meridian™, Meridian Wave™, Zoid™, ProForm NX™, Solo™, Solo PSV™, Stratus™ and JUNIOR Seat Cushion.

In the event of a serious issue or injury, please report the incident to VARILITE customer service. Additionally, if you reside in the European Union, please notify the manufacturer or distributor, and the competent authority of the Member State in which you are established.

 Information printed in this manual may have changed since this document was printed. Current information is available on our website at [www.VARILITE.com](http://www.VARILITE.com).

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