

**matrx**<sup>®</sup>  
SEATING SERIES



**Invacare<sup>®</sup> Matrx<sup>®</sup>  
Vi CUSHION  
(and KIDABRA-Vi CUSHION)**



# **USER MANUAL**

**DEALER:** This manual **MUST** be given to the user of the product.

**USER:** Before using this product, read this manual and save for future reference.

*This manual may not be reproduced or reprinted either partly or completely without previous written consent from Motion Concepts or its statutory representatives.*

*This user manual is compiled from the latest specifications and product information available at the time of publication. We reserve the right to make any necessary revisions as they become necessary. Any changes made to our products may cause slight variations between the illustrations and explanations in this manual and the product you have purchased. If you have any questions or concerns regarding the information provided in this manual, please contact our Customer Service Department for assistance.*

## 1.0 GENERAL

### 1.1 Symbols in this user manual

Proper set-up and safe use of your Invacare® Matrix® product depends on your own good judgement and common sense, as well as that of your provider, caregiver and/or health professional. The following symbols are used throughout this user manual to indicate warnings, cautions and important notes and information. The warning symbols are accompanied by a heading that indicates the severity of the danger.

**i IMPORTANT!** Indicates important information which if not followed could result in damage to the product.

**i** Gives useful tips, recommendations and information for efficient, trouble-free use.

**! CAUTION!** Indicates a potentially hazardous situation which if not avoided could result in product damage, minor injury or both.

**! WARNING!** Indicates a potentially hazardous situation which if not avoided could result in death or serious injury.

**Manufacturer**

**CE** This product complies with the EU Medical Device Regulation 2017/745 for medical products (Class I).

### 1.2 Important Information

**i IMPORTANT!**  
This user manual contains important information about the handling of the product. In order to ensure safety when using the product, read the user manual carefully and follow the safety instructions. For additional product information or if you have questions regarding this or any other Invacare® Matrix® product, please contact Motion Concepts or Invacare® for assistance (see contact information on the back page of this manual).

**i IMPORTANT!**

- THE INFORMATION CONTAINED IN THIS DOCUMENT IS SUBJECT TO CHANGE WITHOUT NOTICE.
- Check all parts for shipping damage PRIOR to use. In case of damage, DO NOT use cushion; please contact your local service provider or Carrier for further instructions.

**i IMPORTANT!** Please refer to the Wheelchair Owners/Operators Manual for additional safety information, warnings and cautions related to the operation of your wheelchair.

**i IMPORTANT!** If a serious injury occurs in relation to the use of this product, it should be reported to Motion Concepts and/or Invacare as soon as possible following the incident.

### 1.3 Intended Use

The Invacare® Matrx®-Vi and Kidabra-Vi Cushions are designed to provide skin protection and positioning for individuals at moderate to high risk of skin breakdown.

### 1.4 Product Description

The Invacare® Matrx®-Vi / Kidabra-Vi is an anatomically designed cushion with dual-density, HR foam layers and includes a visco-elastic foam insert, pre-ischial contour, trochanteric shelf and beveled front-edge. The Vi cushion's unique three part foam construction targets skin protection where it is needed most, and features excellent stability, support and comfort.

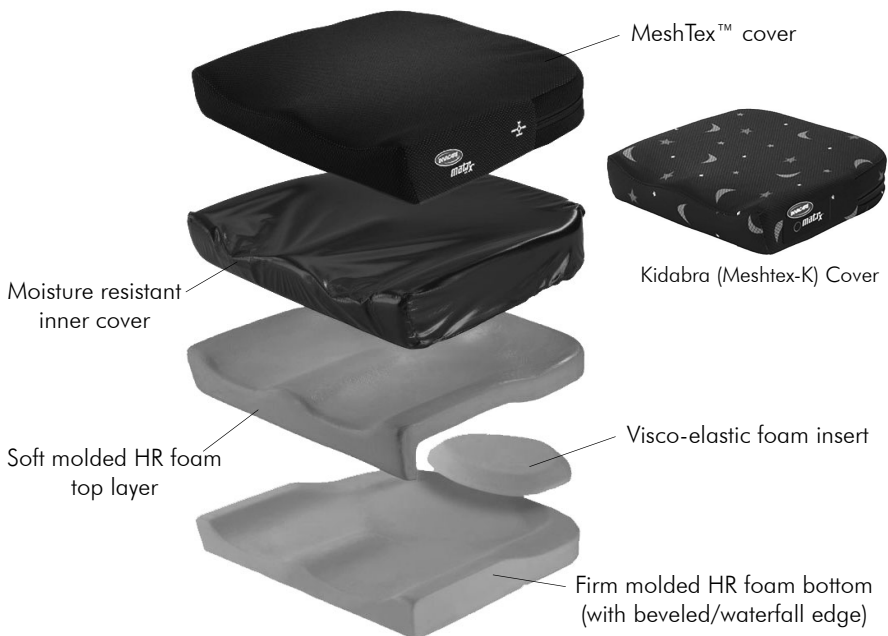
The Matrx-Vi cushion comes standard with our Meshtex fabric outer cover. The Kidabra-Vi model is designed specifically for pediatric users, and comes standard with our unique Meshtex-K (Kidabra) fabric. Both the Meshtex and Meshtex-K cover materials are moisture resistant and breathable. The inner covers on all our Matrx®-Vi/ Kidabra-Vi models are moisture resistant to protect the foam.

#### Optional Infection Control Covers:

For added infection prevention, a washable zippered-style infection control cushion cover is also available (optional) for all Matrx-Vi/ Kidabra-Vi cushion models.

Alternatively, our Matrx® Protect Slipcovers (sold separately) offer an easy to install/ remove washable infection control cover option. All infection control covers are designed using our StarTex™ stretch fabric with the wipeable, polyurethane coated surface exposed.

Regular cleaning and inspection of the covers is recommended. Refer to **Care and Maintenance** instructions in **Section 4.0**.



ⓘ Cushion components are not made with natural rubber latex

## 1.5 Technical Data

### Model Numbers & Weight Limitations:

|                       | Cushion Model                  | Model No. | Cover Fabric | Width <sup>1</sup>                             | Depth <sup>1</sup>                           | Weight Capacity     |
|-----------------------|--------------------------------|-----------|--------------|--|--|---------------------|
| Kidabra-Vi            | Kidabra-Vi                     | KAwwdd-Vi | Kidabra      | 12/14 in<br>(31/36 cm)                         | 12/14 in<br>(31/36 cm)                       | 150 lb.<br>(68 kg)  |
|                       | Matrx-Vi (standard)            | MAwwdd    | Meshtex      | 14/16/17/18/20/22 in<br>(36/41/43/46/51/56 cm) | 15*/16/17*/18/20 in<br>(38*/41/43*/46/51 cm) | 300 lb.<br>(136 kg) |
| Matrx®-Vi, Kidabra-Vi | Matrx-Vi HD (bariatric)        | MAwwdd    | Meshtex      | 18**/20**/22**/24 in<br>(46**/51**/56**/61 cm) | 18/20/22 in<br>(46/51/56 cm)                 | 600 lb.<br>(272 kg) |
|                       | Matrx-Vi HD (bariatric-custom) | MAwwdd    | Meshtex      | 21 up to 30 in<br>(53 up to 76 cm)             | 18 up to 30 in<br>(46 up to 76 cm)           | 600 lb.<br>(272 kg) |

\* 15" (56cm) and 17" (56cm) depths are only available with 14" (56cm) cushion widths

\*\* bariatric (HD) cushions widths indicated are available only with 22" (56cm) cushion depth

<sup>1</sup>**NOTE:** Actual cushion dimensions can vary slightly from the nominal dimensions. For more detailed information on available cushion sizes and product specifications visit:

[www.motionconcepts.com](http://www.motionconcepts.com) (Invacare® Matrx® Cushion Price List/Order Forms)

## 2.0 SAFETY INFORMATION

### 2.1 General Safety Guidelines

#### **WARNING!** Improper use of this product may cause injury or damage.

DO NOT use this product or any available optional equipment without first completely reading and understanding this user manual and any additional instructional materials such as owners manuals, service manuals or instruction sheets supplied with this product or optional equipment. If you have difficulty reading and/or interpreting any warnings, cautions or instructions please contact your local service provider, healthcare professional or qualified technical personnel before attempting to use this equipment.

#### **WARNING!** Risk of serious injury

- Installing a cushion on a wheelchair may affect the center of gravity of the wheelchair and may cause the wheelchair to become unstable, potentially resulting in injury.
- Ensure the seat cushion is properly secured to the wheelchair prior to use. An improperly installed or secured cushion could result in serious injury.

#### **WARNING!** Risk of serious injury or damage

- All seat cushions should be selected carefully. As the needs of the individual become more complex, the seating evaluation becomes more important
- Wheelchair users are at increased risk of developing pressure related injuries.
- The best way to avoid problems related to pressure injuries is to understand their causes and your role in a skin management program. Working with your physician and therapist/service provider is the best way to ensure that a cushion choice addresses any limitations and meets your individual needs.
- Skin condition should be checked frequently after the installation of any new seating system.

## **2.0 SAFETY INFORMATION** (...cont'd)

### **⚠ WARNING! Risk of serious injury or damage**

- The cushion is designed to be used only at room temperature. If it is left at lower temperatures, always allow it to warm to room temperature before using. Sitting on extremely cold or hot surfaces can cause skin damage.
- Avoid sharp objects or exposure to excessive heat or open flame.
- DO NOT smoke while using this device.

### **⚠ WARNING! Risk of injury or damage**

Invacare® Matrx® products are specifically designed and manufactured for use in conjunction with Invacare® Matrx® accessories. Accessories designed by other manufacturers have not been tested by Invacare® or Motion Concepts and are not recommended for use with Invacare® Matrx® products.

For information and/or to purchase Invacare® Matrx® accessories, contact Motion Concepts or Invacare by phone, or online at [www.motionconcepts.com](http://www.motionconcepts.com) or [www.invacare.com](http://www.invacare.com).

## **3.0 CUSHION SET-UP AND INSTALLATION**

### **3.1 Installing the cushion**

#### **⚠ WARNING! Risk of Serious Injury or Damage**

An improperly installed or secured cushion could cause loss of stability resulting in serious injury or damage.

1. Remove all packaging before installation.
2. Orient the cushion so the waterfall edge is facing the front of the wheelchair and the hook and loop strips are facing down.
3. Align the loop strips on the bottom of the cushion with the corresponding hook strips on the wheelchair seat.
4. In the event that the wheelchair seat and Matrx-Vi/Kidabra-Vi Cushion have matching loop strips, install the four double hook strips (provided separately) at each of the intersection points on the wheelchair seat to secure the cushion in place.
5. Position the cushion onto the wheelchair as far back as possible.
6. Press down firmly to ensure the hook and loop strips are fully engaged.

## **4.0 CARE AND MAINTENANCE**

### **4.1 Inspection**

#### **⚠ WARNING! Risk of injury or damage**

- Do not continue to use this product if problems or damage are discovered;
- Corrective maintenance can be performed at or arranged through your service provider

## **4.0 CARE AND MAINTENANCE**

Frequent visual inspection of all components, including upholstery materials, foams (if accessible) and any hardware or plastics, should be performed to identify any breakage, deformation, punctures, wear and tear or compression. Replace damaged/worn components if necessary.

### **4.2 Cleaning and Disinfection**

#### **⚠ WARNING! Risk of damage**

To avoid infectious exposure, inspect cushion thoroughly and properly clean and disinfect any materials soiled with blood or other bodily fluids.

#### **⚠ CAUTION! Risk of damage**

- DO NOT use cleaning and disinfecting agents with abrasive, staining, or polymer-damaging properties such as phenols, alcohols, or bleaches. Chlorine solutions used even in low concentrations on a regular basis can diminish the life of the cover.
- Chosen cleaning agents and disinfectants must be compatible with one another in order to effectively protect the materials on which they are applied.
- Keep clear of open heat sources during cleaning.

### **OUTER COVER:**

#### **General Cleaning**

The outer cushion cover can be wiped with a damp absorbent towel, cloth, or paper towel. Remove all gross contamination from surface (i.e. food particles, urine, feces, blood). Spot-clean with mild soap and water.

Matrx® infection control covers are polyurethane (PU) coated on the outer surface and are designed for easy cleaning and disinfection, particularly in situations of urinary or fecal soiling.

#### **Cleaning & Disinfection Instructions for Infection Control Wipeable Covers:**

The coated side of the cover can be cleaned and disinfected with ready-to-use disinfecting wipes 3M, Virox Accel TB, Accel Prevention, PREempt, OPTIM 33 TB, or other wipes with similar formulations. Note that the surface should be cleaned first, with all gross contamination (i.e. urine, feces, blood) first removed with absorbent material (cloth or paper towel). Ensure the coated surface of the cover is clean by wiping with one of 2-in-1 cleaning and disinfecting wipes mentioned above.

To disinfect, liberally wipe the surface with the ready-to-use disinfecting wipe again. Avoid pooling of the disinfectant and ensure the disinfectant is distributed equally over the cover surface. Wipe dry after recommended dwell time (refer to each disinfecting products manufacturing instructions). It is best practice to wipe the surface with a damp cloth, mild soap, and finally a damp cloth no matter what disinfectant is used.

## 4.0 CARE AND MAINTENANCE (...cont'd)

### Machine Laundering Instructions

The outer cushion cover may be removed and cleaned in a laundering machine. Carefully unzip the outer cover and remove the foam cushion with its protective inner cover in place. To avoid possible damage to the cover, the zipper of the cover should be closed prior to laundering, and covers should not come in contact with any other sharp garment accessories. Standard Meshtex & Kidabra outer covers can be hand washed or machine-washed in cold water on the delicate cycle. Infection Control covers can be washed in warm temperatures not higher than 60°C (140F) using neutral detergents such as Tide or Persil.

### Drying

Adequate drying is a crucial factor in the care and maintenance of the covers. The covers should be dried completely prior to use on the cushion. Air drying is the method of choice. DO NOT WRING OUT. Hang cover and allow to drip dry to minimize wrinkling. Alternatively, covers may be tumble-dried on low/cool setting. Cushion covers should not be ironed or pressed.

ii Polyurethane (PU) coated fabrics can absorb liquids for short periods causing a temporary change to the PU characteristics. The wet cover is more vulnerable to physical damage and should not be used until fully dried.

## INNER COVER

### Cleaning and Disinfection Instructions

The polyurethane coated inner cover can be wiped clean with a damp cloth as well as disinfected with ready-to-use disinfecting wipes listed in the Outer Cover-Cleaning and Disinfection Instructions above. The foam cushion should NOT be removed from the protective inner cover.

## 5.0 AFTER USE

### 5.1 Storage

#### **i** IMPORTANT!

- Store cushions inside a protective cover whenever possible.
- Store cushions in a clean, dry environment away from any sharp edges.
- Never store other items on top of a cushion.
- Do not store cushions next to radiators or other heating devices.
- Protect cushions from direct sunlight.

### 5.2 Re-use

#### **⚠** WARNING! Risk of Injury

- Always have an authorized healthcare or service provider inspect the product for damage or wear PRIOR to transferring the product to a different user. If any damage is found, DO NOT use this product, otherwise injury may occur.
- PRIOR to reuse, clean and disinfect the product thoroughly, per section 4.2 **Cleaning & Disinfection**, and in accordance with local government regulations.



This product is suitable for repeated use. The number of times it can be used depends on the frequency and duration of use, as well as the level of product care and maintenance undertaken over the period of use.

It is recommended that the cushion (foam and cover) always be inspected by a qualified healthcare professional or service provider for strike-through (this may include fluid ingress, stains, rips, punctures or damage) prior to transferring the cushion to a new patient. DO NOT re-use the cushion if any damage is found

For additional information or assistance on decontamination and disinfection, please consult your local Infection Control Office.

### **5.3 Disposal**

The disposal and recycling of used devices and packaging must comply with the applicable local legal regulations.

Ensure that the cushion is cleaned prior to disposal to avoid any risk of contamination.

## **6.0 WARRANTY INFORMATION**

### **WARRANTY**

PLEASE NOTE: THE WARRANTY BELOW HAS BEEN DRAFTED TO COMPLY WITH FEDERAL LAW APPLICABLE TO PRODUCTS MANUFACTURED AFTER JULY 4, 1975.

This warranty is extended only to the original purchaser/user of our products. This warranty gives you specific legal rights and you may also have other legal rights which vary from state to state. Invacare/ Motion Concepts warrants this product to be free from defects in materials and workmanship for two years of use by original purchaser. This warranty does not apply to punctures, tears or burns, nor to the removable cushion cover. If within such warranty period any such product shall be proven to be defective, such product shall be repaired or replaced, at Invacare's/Motion Concepts' option, with refurbished or new parts. This warranty does not include any labor or shipping charges incurred in replacement part installation or repair of any such product. Product repairs shall not extend this warranty- coverage for repaired product shall end when this limited warranty terminates. Invacare's/Motion Concepts' sole obligation and your exclusive remedy under this warranty shall be limited to such repair and/or replacement. For warranty service, please contact the dealer from whom you purchased your Invacare/ Motion Concepts product. In the event you do not receive satisfactory warranty service, please write directly to Invacare/Motion Concepts at the address on the back cover. Provide dealer's name, address, model number, the date of purchase, indicate nature of the defect and, if the product is serialized, indicate the serial number.

Invacare Corporation/Motion Concepts will issue a return authorization. The defective unit or parts must be returned for warranty inspection using the serial number, when applicable, as identification within thirty (30) days of return authorization date.

DO NOT return products to our factory without our prior consent. C.O.D. shipments will be refused; please prepay shipping charges.

## **6.0 WARRANTY INFORMATION**

### **WARRANTY**     (...cont'd)

LIMITATIONS AND EXCLUSIONS: THE WARRANTY SHALL NOT APPLY TO PROBLEMS ARISING FROM NORMAL WEAR OR FAILURE TO ADHERE TO THE ENCLOSED INSTRUCTIONS. IN ADDITION, THE FOREGOING WARRANTY SHALL NOT APPLY TO SERIAL NUMBERED PRODUCTS IF THE SERIAL NUMBER HAS BEEN REMOVED OR DEFACED; PRODUCTS SUBJECTED TO NEGLIGENCE, ACCIDENT, IMPROPER OPERATION, MAINTENANCE OR STORAGE; OR PRODUCTS MODIFIED WITHOUT INVACARE'S/MOTION CONCEPTS' EXPRESS WRITTEN CONSENT INCLUDING, BUT NOT LIMITED TO: MODIFICATION THROUGH THE USE OF UNAUTHORIZED PARTS OR ATTACHMENTS: PRODUCTS DAMAGED BY REASON OF REPAIRS MADE TO ANY COMPONENT WITHOUT THE SPECIFIC CONSENT OF INVACARE/MOTION CONCEPTS; PRODUCTS DAMAGED BY CIRCUMSTANCES BEYOND INVACARE'S/MOTION CONCEPTS' CONTROL; PRODUCTS REPAIRED BY ANYONE OTHER THAN AN INVACARE/ MOTION CONCEPTS DEALER, SUCH EVALUATION SHALL BE SOLELY DETERMINED BY INVACARE/ MOTION CONCEPTS.

THE FOREGOING WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER EXPRESS WARRANTIES, IF ANY, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IT SHALL NOT EXTEND BEYOND THE DURATION OF THE EXPRESSED WARRANTY PROVIDED HEREIN AND THE REMEDY FOR VIOLATIONS OF ANY IMPLIED WARRANTY SHALL BE LIMITED TO REPAIR OR REPLACEMENT OF THE DEFECTIVE PRODUCT PURSUANT TO THE TERMS CONTAINED HEREIN. INVACARE/MOTION CONCEPTS SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES WHATSOEVER. THIS WARRANTY SHALL BE EXTENDED TO COMPLY WITH STATE/PROVINCIAL LAWS AND REQUIREMENTS.





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**Invacare**[www.invacare.com](http://www.invacare.com)

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**USA**

One Invacare Way  
Elyria, Ohio USA  
44036-2125  
440-329-6000  
800-333-6900

**Canada**

570 Matheson Blvd. E Unit B  
Mississauga, Ontario  
L4Z 4G4 Canada  
800-668-5324



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**Motion Concepts**[www.motionconcepts.com](http://www.motionconcepts.com)

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**USA**

700 Ensminger Rd. Suite 112  
Tonawanda, NY 14150  
888-433-6818

**Canada**

84 Citation Dr., Unit 1-10  
Concord, Ontario L4K 3C1  
905-695-0134  
866-748-7943



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