



# Aquatec® Ocean VIP Ergo Aquatec® Ocean Dual VIP Ergo

en **Mobile Shower- and Toilet Chair  
User Manual**

This manual **MUST** be given to the user of the product.  
**BEFORE** using this product, this manual **MUST** be read and saved for  
future reference.

**AQUATEC®**



**Yes, you can.®**

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# 1 General

## 1.1 Introduction

This user manual contains important information about the handling of the product. To ensure safety when using the product, read the user manual carefully and follow the safety instructions.

Only use this product if you have read and understood this manual. Seek additional advice from a healthcare professional who is familiar with your medical condition and clarify any questions regarding the correct use and necessary adjustment with the healthcare professional.

Note that there may be sections in this document, which are not relevant to your product, since this document applies to all available models (on the date of printing). If not otherwise stated, each section in this document refers to all models of the product.

The models and configurations available in your country can be found in the country-specific sales documents.

Invacare reserves the right to alter product specifications without further notice.

Before reading this document, make sure you have the latest version. You find the latest version as a PDF on the Invacare website.

If you find that the font size in the printed document is difficult to read, you can download the PDF version from the website. The PDF can then be scaled on screen to a font size that is more comfortable for you.

For more information about the product, for example product safety notices and product recalls, contact your Invacare distributor. See addresses at the end of this document.

In case of a serious incident with the product, you should inform the manufacturer and the competent authority in your country.

## 1.2 Symbols in this Document

Symbols and signal words are used in this document and apply to hazards or unsafe practices which could result in personal injury or property damage. See the information below for definitions of the signal words.



### WARNING

Indicates a hazardous situation that could result in serious injury or death if it is not avoided.



### CAUTION

Indicates a hazardous situation that could result in minor or slight injury if it is not avoided.



### NOTICE

Indicates a hazardous situation that could result in damage to property if it is not avoided.



### Tips and Recommendations

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

## Other Symbols

(Not applicable for all manuals)



UK Responsible Person  
Indicates if a product is not manufactured in the UK.



Triman  
Indicates recycling and sorting rules (only relevant for France).

### 1.3 Warranty Information

We provide a manufacturer's warranty for the product in accordance with our General Terms and Conditions of Business in the respective countries.

Warranty claims can only be made through the provider from whom the product was obtained.

### 1.4 Compliance

Quality is fundamental to the company's operation, working within the disciplines of ISO 13485.

This product features the CE mark, in compliance with the Medical Device Regulation 2017/745 Class I.

This product features the UKCA mark, in compliance with Part II UK MDR 2002 (as amended) Class I.

We are continuously working towards ensuring that the company's impact on the environment, locally and globally, is reduced to a minimum.

We only use REACH compliant materials and components.

#### 1.4.1 Product-specific Standards

The product has been tested and conforms to the standard ISO 17966 (Assistive products for personal hygiene that

1652073-A

support users) and related standards. This includes testing concerning flammability. Progressive smouldering ignition and flaming ignition do not occur.

For further information about local standards and regulations, contact your local Invacare representative. See addresses at the end of this document.

### 1.5 Service Life

The expected service life of this product is five years when used daily and in accordance with the safety instructions, maintenance intervals and correct use, stated in this manual. The effective service life can vary according to frequency and intensity of use.

## 2 Safety

### 2.1 Safety Information



**WARNING!**

**Risk of Serious Injury or Damage**

Improper use of this product may cause injury or damage.

- If you are unable to understand the warnings, cautions or instructions, contact a health care professional or provider before attempting to use this equipment.
- Do not use this product or any available optional equipment without first completely reading and understanding these instructions and any additional instructional material such as user manual, service manual or instruction sheet supplied with this product or optional equipment.



**WARNING!**

**Risk of Injury**

- Before every use, check the product for damage and ensure that it is securely assembled.
- Before first use, clean the product thoroughly.



**WARNING!**

**Risk of Injury**

Improper use of this product may cause injury or damage.

- Do not use if defective.
- In the event of a malfunction, contact your provider immediately.
- Do not make any unauthorised changes or alterations to the product.
- Only use accessories / options intended for this product.



**WARNING!**

**Risk of Injury**

Improper use of this product may cause injury or damage.

- Do not lift the product when under load.
- Do not stand on the product.



**CAUTION!**

**Risk of Injury**

Non-original or wrong parts may affect the function and safety of the product.

- Only use original parts for the product in use.
- Due to regional differences, refer to your local Invacare catalogue or website for available options or contact your Invacare distributor. See addresses at the end of this document.



**NOTICE!**

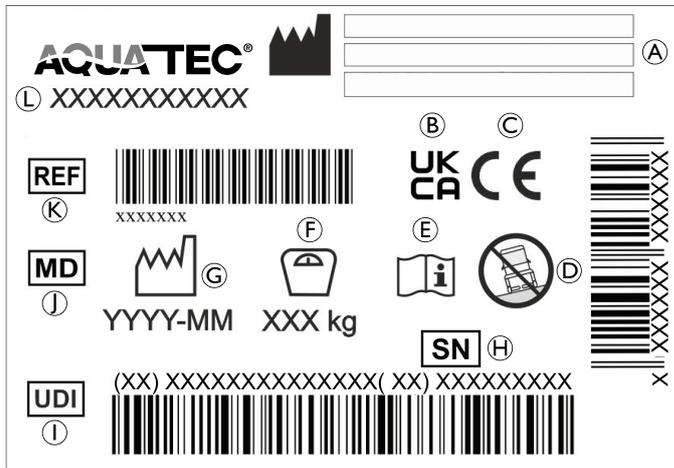
When combining this product with another product, the restrictions of both products apply for the combination. E.g. the maximum user weight of one product in the combination may be lower.

- Only use combinations allowed by Invacare. Contact your Invacare distributor for information.
- Before use, read the user manual of each product and check the restrictions. The full compliance with the information, instructions and recommendations contained in both user manuals is necessary for a safe use.

**2.2 Labels and Symbols on the Product**

**Identification Label**

The identification label contains important information:



(A)	Manufacturer address
(B)	UK Conformity Assessed
(C)	European Conformity
(D)	For use on level ground only
(E)	Read user manual
(F)	Maximum user weight
(G)	Date of manufacture
(H)	Serial number
(I)	Unique Device Identifier
(J)	Medical device

Ⓚ	Reference number
Ⓛ	Product designation

 The identification label is attached to the inside of the left side part.

### Labels on the Product

The following label is attached to the backside of the headrest:	
Label	Description
	<p><b>CAUTION!</b></p> <p>Risk of impact</p> <p>Your body can be hit by the backrest/headrest when pulling the activation handle.</p> <ul style="list-style-type: none"> <li>– Make sure there is enough space between you and the backrest/headrest when tilting the seat frame with backrest.</li> </ul>

The following label is attached to the handle of the backrest:

Label	Description
	<p><b>WARNING!</b></p> <p>Risk of tipping over</p> <ul style="list-style-type: none"> <li>– Do not step on the footrest when getting into or out of the shower- and toilet chair.</li> <li>– Push the footrests to the sides or fold up the foot plates before getting into or out of the shower- and toilet chair.</li> <li>– Before sitting down or standing up, turn the castors so that the lock is pointing forwards.</li> <li>– Do not lean too far forwards when sitting in the shower- and toilet chair.</li> </ul>

The following labels are attached to the activation handles:

<b>Label</b>	<b>Description</b>
	Activation handle for seat tilting.
	Activation handle only for backrest tilting.

## 3 Product Overview

### 3.1 Intended Use

Aquatec Ocean VIP Ergo and Aquatec Ocean Dual VIP Ergo are mobile shower- and toilet chairs with a seat tilt-in space function, stainless steel frame, individually adjustable seat height, tension adjustable backrest, flip up armrests and foldable angle-adjustable textured foot plates. The product is also available with an additional backrest reclining function.

These mobile shower and toilet chairs are intended to support personal hygiene activities with or without assistance in institutional and household surroundings.

Temperature for use (indoors only): 10 - 65 °C

#### Intended Users

The intended user is the person sitting in the shower- and toilet chair or an assistant. The device can be used for adolescents or adults having a physical size equal to or more than 146 cm, a weight equal to or more than 40 kg and a body mass index equal to or more than 16.

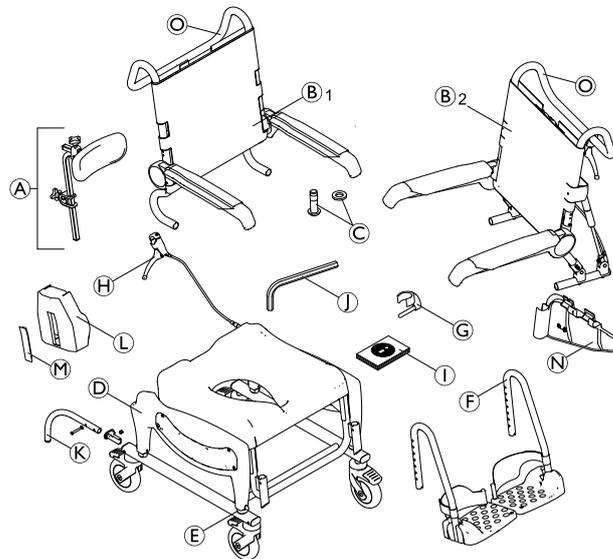
For the maximum user weight of the product see *10 Technical Data, page 32.*

#### Indications

- Difficulty in standing or keeping balance,
- weak legs or lower limb disability,
- medical conditions that impair the balance.

There are no contraindications known when using the product as intended.

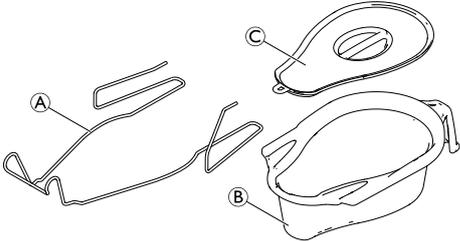
### 3.2 Main Parts of the Product



Ⓐ	Head support
Ⓑ <sub>1</sub>	<b>Ocean VIP Ergo:</b> Backrest with backrest cover and armrests
Ⓑ <sub>2</sub>	<b>Ocean Dual VIP Ergo:</b> Backrest with backrest cover, armrests and activation handle for backrest tilting
Ⓒ	Screws (4x) and washers (4x) for backrest fixation
Ⓓ	Seat frame with seat plate and side parts with base frame and castors

Ⓔ	Clips (4x) for height adjustment
Ⓕ	Footrests with heel straps (2x)
Ⓖ	Clips (2x) for footrests
Ⓗ	Activation handle for seat tilting
Ⓘ	User manual
Ⓙ	Allen key
Ⓚ	Rear antitipper with screw, washer and mounting cap (2x) (Ocean Dual VIP Ergo only)
Ⓛ	Brake cover (2x)
Ⓜ	Brake lever cover (2x)
Ⓝ	Clamping protection cover (2x)
Ⓒ	Push bar

**Toilet Pan Holder with Toilet Pan (optional)**



Ⓐ	Toilet pan holder
Ⓑ	Toilet pan
Ⓒ	Lid

## 4 Setup

### 4.1 Safety Information



#### WARNING!

- Check the parts for transport damage before commissioning and contact your provider if required.
- Ensure during assembly that the parts are positioned correctly with respect to one another.
- Self-locking screws/nuts or thread-locking adhesive are used for several connections. If these are loosened, they must be replaced by new self-locking screws/nuts or they must be secured using new thread-locking adhesive.



#### CAUTION!

#### Risk of Pinching

- Take care during assembly.

### 4.2 Assembling the Shower- and Toilet Chair

This section describes the assembly. Disassembly takes place in the reverse order.



The armrest height, footrest height, footrest angle, headrest, heel strap, tension of backrest cover and accessories / options must be adjusted to optimally fit the user.

#### 4.2.1 Adjusting the Seat Height

This section describes the assembly. Disassembly takes place in the reverse order.

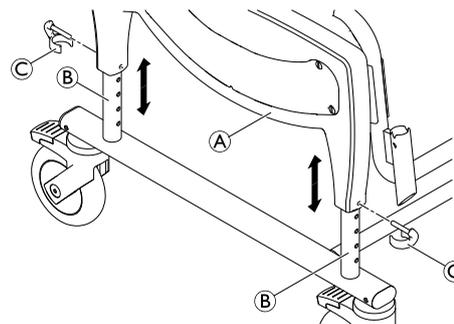


#### WARNING!

- Do not adjust the seat height of the shower-and toilet chair when someone is sitting on it.



The seat height must be adjusted on both sides simultaneously.



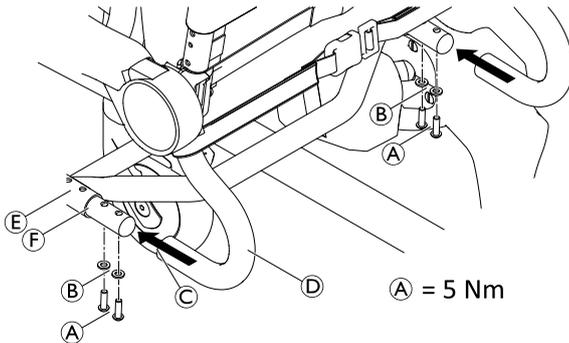
1. Slightly raise the shower- and toilet chair at the side part **A**.
2. Remove the four clips **C** (two on each side).
3. Set the correct height by simultaneously moving the seat frame upwards or downwards on the four tubes **B** of the base frame.
4. Bring the clip mounts on the side part in line with a hole in the base frame.
5. Insert the four clips from the outside into the side part, until the clip edges enclose the base frame tube **B**.

**WARNING!****Risk of Injury**

- Make sure that all four clips are securely fastened.
- Make sure that all four tubes are set to the same height.



The seat height can be adjusted to accommodate different situations of use e.g. transfer from a bed or a wheelchair or use above toilet etc.

**4.2.2 Installing the Backrest**

1. Push down all four foot pedals of the castors to lock them.
2. Push the backrest **D** from behind onto the seat frame **E**, until the collar **C** touches the seat frame tube **F**.

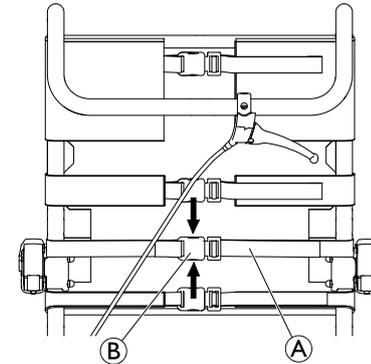
**NOTICE!**

- Firmly tighten the screws using the Allen key supplied.
- Check the screws regularly to ensure they are fastened securely.

3. Position a washer **B** on each screw **A** and secure the backrest on each side.
4. Tighten the screws with a torque of 5 Nm.

**Adjusting the Backrest Cover**

The tension of the backrest can be adjusted as needed.

**WARNING!**

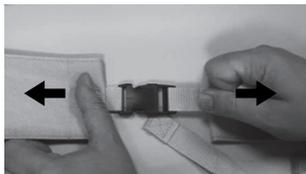
- Make sure that at least three belts are always passed around the backrest frame (on the outside) and their belt buckles are fastened.

Tightening:

1. Pull the belts **A** of the backrest cover tighter.

### Loosening:

1. Open the buckles **Ⓑ** by squeezing the retaining lugs together (arrows).
2. Push the belts back a little through the buckle.
3. Fasten the belt buckles.
4. Retighten the belts gently.



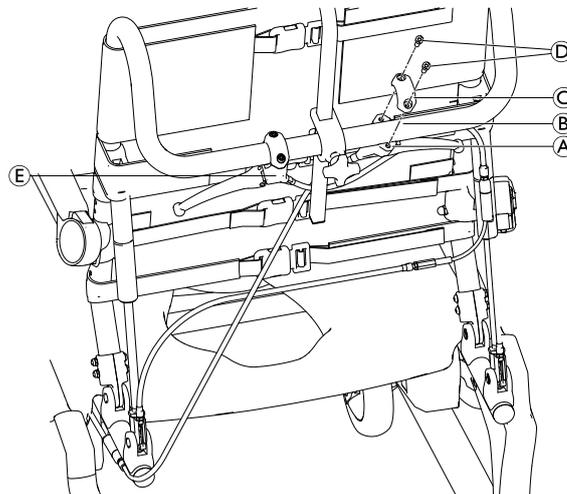
#### **WARNING!**

#### **Risk of Injury due to Damaged Backrest Buckles!**

Check for secure fastening of the backrest buckles each time the product is maintained or reconditioned.

- Check all buckle clips for secure fastening by closing the buckles and pulling on both ends.
- Replace the backrest/backrest buckles if a buckle opens under the applied force.

### 4.2.3 Installing the Activation Handle



1. Remove the clamping part **Ⓒ** from the activation handle **Ⓐ** by loosening the screws **Ⓓ**.
2. Position the activation handle **Ⓐ** for seat tilting from the underside at the right side of the handle tube **Ⓑ**.



The handle should be slightly turned inwards to the backrest.

3. Install the activation handle to the handle tube using the clamping part **Ⓒ** and screws **Ⓓ**.



For the Ocean Dual VIP Ergo, the activation handle **Ⓔ** for backrest tilting is already installed to the left side of the handle tube. The position of the activation handle can be changed if required.

#### 4.2.4 Installing and Removing the Seat Plate

##### Installing

1. Place the seat plate on the seat frame with the cutout to the front.
2. Press the seat plate down with the flat hand at the sides and then at the front and back until the seat plate snaps onto the seat frame.

##### Removing

1. Pull the seat plate upwards at the rear.

#### 4.2.5 Setting Armrest Height

1. Open the belt buckle of the backrest cover which is passed on the inside of the backrest frame.
2. Open the belt buckle on the backrest cover, which is above the armrest.



When adjusting to a lower position the belt beneath the armrest must be opened.

3. Pass this belt on the inside of the backrest frame and close it again.

4.

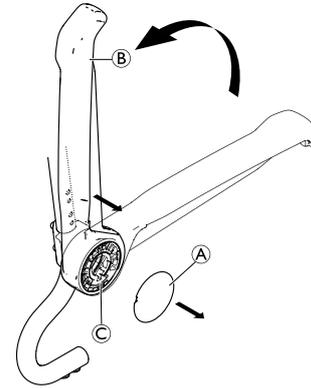


Fig. 4-1

Remove cap **A**.

5. Fold up armrest **B** to pull it off the armrest bracket **C**.
- 6.

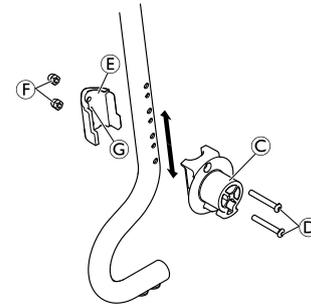


Fig. 4-2

Remove screws **D** from armrest bracket **C** with supplied Allen key.

- Remove securing clamp **E** with nuts **F** from the inside of the backrest frame.

 The nuts are inserted loosely into the securing clamp and may drop out.

- To reinstall armrest bracket and securing clamp at desired position, insert screws **D** into armrest bracket and guide them through the desired holes in the backrest frame.

 The smaller holes on the inside of the backrest frame fix the securing clamp.

- Place the securing clamp in such way that the fixing **G** of securing clamp engages in smaller hole.
- Tighten screws **D** with 5 - 6 Nm and nuts **F**.
- 

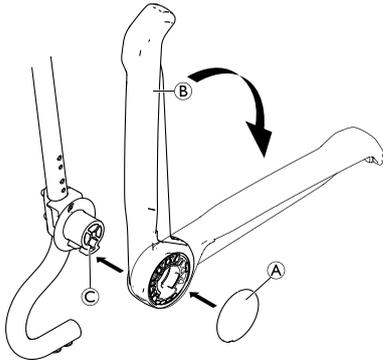


Fig. 4-3

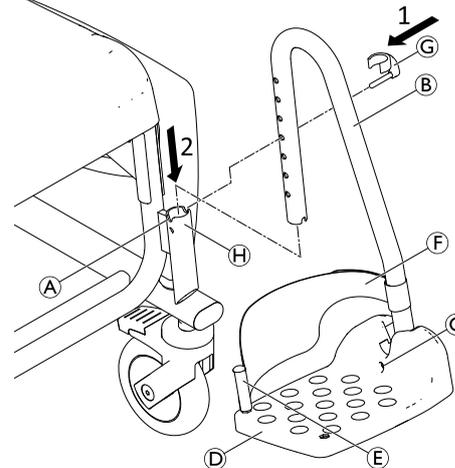
Reinstall armrest **B** on bracket **C**.

- Fold down armrest.
- Reinstall cap **A**.

- Pass the open belt of the backrest cover on the outside of the backrest frame, close belt buckles and tighten all the belts.
- The height adjustment procedure is the same for the right and left armrest.

 To install accessories / options, the third belt from the top can be opened and the backrest cover can be passed by the backrest frame from the inside.

#### 4.2.6 Installing the Footrests



1. Insert the pin of the clip ③ from the outside into the required hole on the footrest ②. Make sure the clip engages around the tube.
2. Push the footrest into the guide ④ at the front of the side part until the pin of clip ③ engages in the groove ①. The footrest can no longer be turned to the side.

 The assembly procedure is the same for the right and the left footrest.

### Adjusting the Height of the Footrests

 The footrests can be shortened if required (refer to the service manual). Shortening the footrests must be performed by a qualified technician.

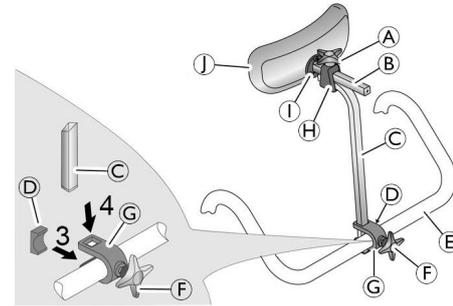
1. Slightly pull up the footrest ②.
2. Pull the clip ③ out of the hole in the footrest and re-insert it into the required hole. Pull out the footrest slightly further if necessary.
3. Push down the footrest until the groove ① catches the pin of the clip.
4. Set the other footrest to the required height as described.

### Adjusting the Inclination of the Foot Plates

 The inclination of the foot plates can be adjusted infinitely variably.

1. Loosen the Allen screw ③ on the foot plate using a size 4 Allen key.
2. Turn the foot plate ④ to the required position.
3. Re-tighten the Allen screw.

### 4.2.7 Installing the Headrest



1. Use the star handle ⑥ to insert the screw ⑦ a little into the bracket ③.
2. Push the bracket with the screw onto the handle of the backrest ⑤ from behind with the screw engaging in the hole of the backrest's handle.
3. Insert the plate ④ into the bracket from the front so that both lugs of the plate face down and up and the curved plate side touches the handle of the backrest.
4. Push the height adjustment tube ③ from above into the recesses of the bracket.
5. Use the star handle to tighten the screw until the height adjustment tube is fixed in place.
6. Push the pad ① and the pad holder ② into the holder ⑧ on the height adjustment tube.
7. Use the star handle ① to tighten the upper screw until the pad holder is fixed in place.

 To adapt it to the user, the height adjustment tube can be fitted with the curve facing the front or the back.

The headrest pad ① can be removed and replaced by other pad shapes (optional). To remove it, loosen the retaining bolts ①.

### Adjusting the Length of the Headrest

 The headrest tubes ③ and ② can be shortened if required (refer to the service manual). Shortening the headrest tube must be performed by a qualified technician.

### 4.2.8 Installing the Rear Antitippers



**WARNING!**  
**Risk of Tipping**

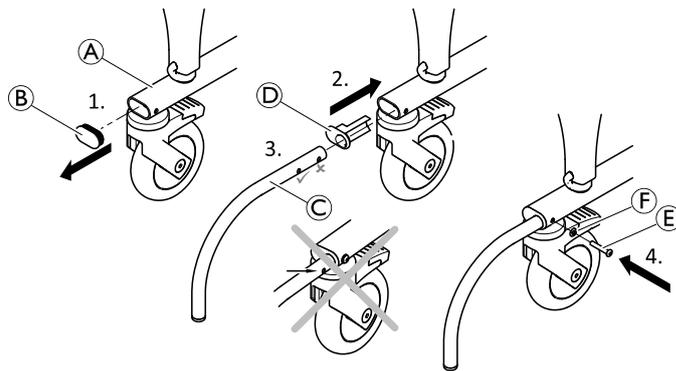
There is a risk of severe injury on the Ocean Dual VIP Ergo when the backrest is tilted. The complete chair can tilt backwards.

- Before using the Ocean Dual VIP Ergo, make sure that both rear antitippers are installed.



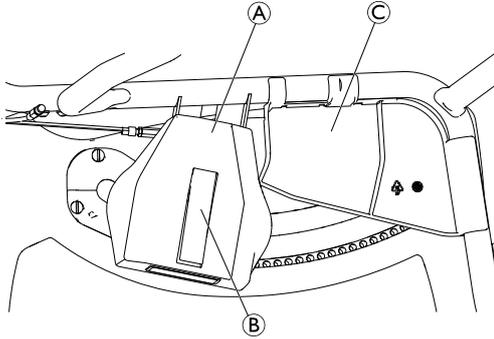
**WARNING!**  
**Risk of Injury**

- Never stand on the antitippers.



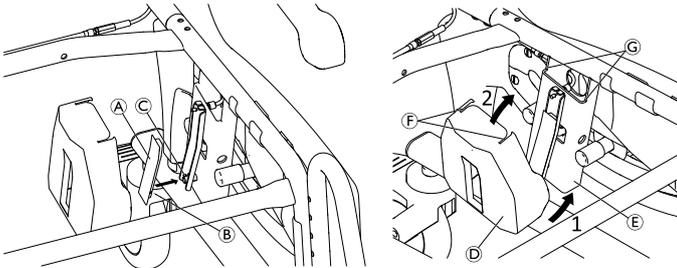
1. Remove the cover cap ② from the base frame ①.
2. Attach the mounting cap ④ to the base frame.
3. Insert the antitipper tube ③.
4. Fix the antitipper through its second hole using the screw ⑤ with the washer ⑥.
5. Install the second antitipper on the other side.

## 4.2.9 Installing/ Removing the Brake Covers/ Clamping Protection Covers



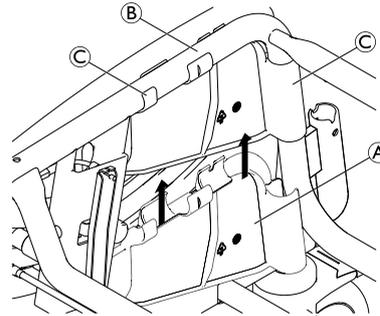
(A)	Brake cover
(B)	Brake lever cover
(C)	Clamping protection cover

### Brake Cover



1. Attach the brake lever cover (A) by pinning up the slot (B) to the small shaft (C).
2. Position the lower part of the brake cover (D) at an angle from below over the brake housing (E).
3. Fold the upper part of the brake cover to the brake housing so that the recesses (F) sit flush with the edges (G).
4. Install the second brake cover on the other side.

### Clamping Protection Cover



1. Install the clamping protection cover (A) by snapping it onto the frame tubes (B). Make sure that all clips (C) are fully engaged.
2. Install the second clamping protection cover on the other side.

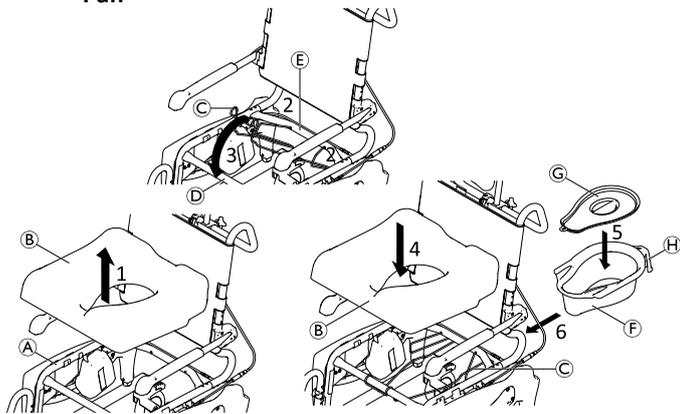
### 4.3 Assembling Accessories and Options



**WARNING!**  
**Risk of injury**

– The assembly of accessories and options must be carried out according to the corresponding instructions.

#### 4.3.1 Installing/Removing the Toilet Pan Holder and Toilet Pan



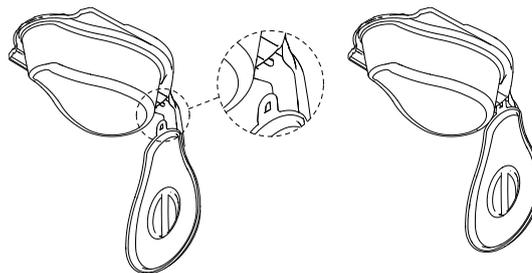
**i** The toilet pan (F) can be installed/removed with or without the lid (G).

1. Remove the seat plate (B) from the frame (A).
2. Position the ends of the toilet pan holder (C) into the holes of the rear cross tube (E).
3. Engage the front part of the toilet pan holder with the front cross tube (D).
4. Reinstall the seat plate to the frame.

5. Place the lid on or remove it from the toilet pan.
6. Hold the toilet pan by its handle (H) and insert it from the rear side between the toilet pan holder and the seat.

**i** Slightly push down the toilet pan when inserting or removing.

**i** The lid can be hung on the plastic hook at the underside of the toilet pan handle.



## 5 Usage

### 5.1 Safety Information



#### **WARNING!**

- Only use the shower- and toilet chair on a flat surface and indoors.
- Observe the specifications on the identification label. Do not overload the shower- and toilet chair.
- Observe the safety labels on the backside of the headrest and on the handle of the backrest, *2.2 Labels and Symbols on the Product, page 7*.
- Do not place excessive weight on the shower- and toilet chair.
- Always perform a visual inspection of the product for external damage before each use.



#### **WARNING!**

##### **Risk of Slipping and Rolling**

- Before use, make sure that the seat is securely fastened to the seat frame
- Lock all castors with levers using the foot levers before sitting down on the shower- and toilet chair or standing up from it, as well as in the parking position.



#### **WARNING!**

##### **Risk of Tipping**

- Swivel the footrests to the side or fold up the foot plates before sitting down or standing up.
- Before sitting down or standing up, turn the front castors so that the lock is pointing forwards.
- Never stand on the footrests.
- Do not lean excessively forwards.
- Only push the seated user on the shower- and toilet chair when the seat frame and backrest are set to an upright position.
- Only transfer the user from or to the shower- and toilet chair when the seat frame and backrest are set to an upright position.
- Never remove the pneumatic springs (Ocean Dual VIP Ergo only).



#### **WARNING!**

##### **Risk of Injury!**

- Before using the Variable Soft Seat (optional), the lateral covers have to be installed.



#### **WARNING!**

##### **Risk of tipping backwards!**

- The Ocean Dual VIP Ergo must only be used if the rear antitippers are installed.



**WARNING!**

**Risk of Tipping**

- The shower- and toilet chair must only be moved by using the push bar.



**CAUTION!**

**Risk of burning your Skin**

- The product components can heat up when exposed to external sources of heat.
- Consider heated up surfaces when using the shower- and toilet chair in the sauna or when it is exposed to hot water.
  - Do not expose the product to direct sunlight before use.



**CAUTION!**

**Risk of catching due to Tilting Mechanism**

- When tilting the seat frame or the backrest make sure that the user's arms are placed on the armrests or folded in front of the body.
- Make sure that the clamping protection cover is installed to the frame, see 4.2.9 *Installing/ Removing the Brake Covers/ Clamping Protection Covers*, page 19.



**NOTICE!**

**Risk of breaking the Headrest**

- Only steer or push the shower- and toilet chair using the handle on the backrest, never with the headrest.



**NOTICE!**

**Risk of Damage to the Product**

- Do not lift the shower- and toilet chair using the footrests, armrests or any accessories / options.



For users with high risk of standing on the footrests (e.g. dementia), front antitippers (optional) are available to prevent the shower- and toilet chair from tipping forward.

## 5.2 Turning Armrests

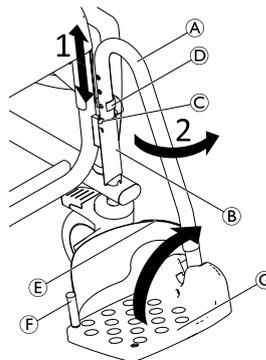


**CAUTION!**

**Risk of Pinching Fingers**

- Do not put fingers between armrest and backrest when folding back the armrests.

## 5.3 Swivelling the Footrests



**Entry Position/Exit Position:**

1. Slightly pull up the footrest **A** in the guide **B** until the pin of the clip **D** no longer engages in the groove **C**.
2. Swivel the footrest to the side.

**Driving Position:****CAUTION!****Risk of Accident due to loose Footrest**

– Fix footrests in the driving position.

1. Turn the footrest **A** inwards.
2. Push the footrest downward, until the pin of clip **D** engages in the groove **C**.

 Alternatively, the foot plates **C** can be swivelled upwards to enter/exit the shower- and toilet chair.

**Replacing the Heel Strap**

1. Open the hook and loop strip **E** on the heel strap.
2. Remove the screw **F** from the underside of the foot plate.
3. Remove the heel strap from the flexible plastic pin.

 To attach the strap, carry out the same procedure in the reverse order.

 When installing ensure that the hook and loop strip of the heel strap is facing backwards.

**5.4 Tilting the Seat Frame with Backrest****NOTICE!**

– Never reach in the area between the side parts and the tubular frame when tilting.

**Tilting Backwards/Forwards**

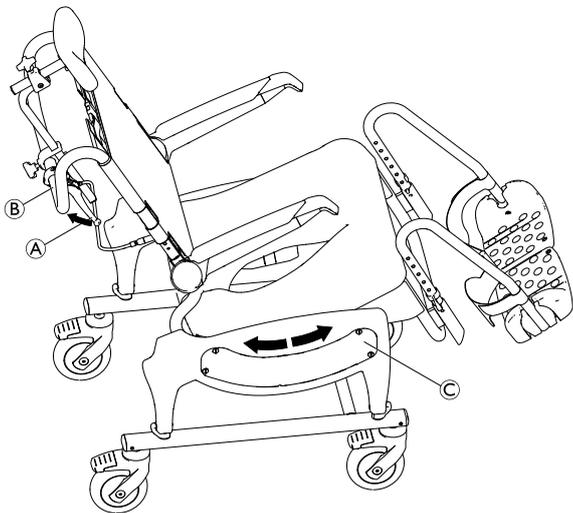
The seat frame can be tilted approx. 40° backwards together with the backrest.



Tilt stoppers (optional) are available to prevent the product from tilting forward to a lower angle than 0°.



For the two lowest seat heights, the complete adjustment range of the footrest can not be used. Before use, check that the footrests do not touch the floor when tilting the seat forwards. If necessary re-adjust the seat height or the footrest height accordingly.



4. Set the required inclination by pushing down or pulling up the handle ②.
5. Release the activation handle and let the pins of the tilting mechanism engage in the nearest holes. The seat frame is set at the currently set inclination.

## 5.5 Tilting the Backrest (Ocean Dual VIP Ergo Only)



### CAUTION!

#### Risk of Getting Fingers Caught Between Armrest Bracket and Side Part

- Never reach into the area between the armrest bracket and the side part when tilting backwards the seat frame or when lowering the backrest.
- When tilting the seat frame or the backrest make sure that the user's arms are placed on the armrests or folded in front of the body.



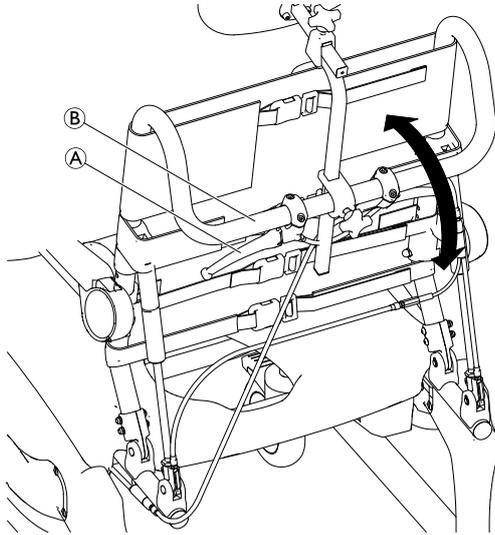
### CAUTION!

#### Risk of Crushing

Your fingers or hands can get caught and squeezed by the tilting mechanism.

- Before every use, make sure that the side part covers ③ of the tilting mechanism are correctly mounted.

1. Push down all four foot pedals for the castors to lock them.
2. Hold the shower chair at its push bar ②.
3. Pull and hold the activation handle ①.



1. Push down all four foot pedals for the castors to lock them.
  2. Hold the shower chair at its push bar **Ⓑ**.
  3. Pull and hold the activation handle **Ⓐ**.
- i** The activation handle is equipped with a locking device. For activating the handle, the locking device has to be pulled in advance.
4. Tilt the backrest to the required position.
  5. Release the activation handle to fix the backrest in the current position.



Increased force is needed for tilting backwards without seated user. Automatic tilting upwards without seated user when activation handle is pulled.

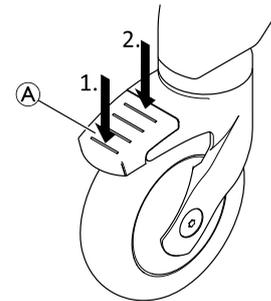
## 5.6 Engaging/Disengaging the Castor Locks



### CAUTION!

#### Risk of Trapping/Squeezing

All castor locks are foot-operated.  
– Do not operate the castor locks by hand.



1. To lock the castor locks step on the rear end of the pedal **Ⓐ** until it engages.
- i** The castor is now locked in position and cannot swivel any longer.
2. To unlock the castor locks step on the front end of the pedal until it disengages.
- i** Castor with blue pedal (option directional lock) engages the swivel lock for easier straight movement.

## 6 Transport

### 6.1 Safety Information



The product can be dismantled for transport into the parts of the scope of delivery, see chapter 3.2 *Main Parts of the Product*, page 10.

1. Disassemble the product, see chapter 4 *Setup*, page 12 by following the assembly steps in reverse order.



#### **NOTICE!**

##### **Risk of Damage to the Product**

- Transport the product in a dry area.
- Do not expose the product to direct sunlight.
- Refer to the storage and shipping conditions, see chapter 10.3 *Environmental Parameters*, page 34.



#### **NOTICE!**

- Self-locking screws/nuts or thread-locking adhesive are used for several connections. If these are loosened, they must be replaced by new self-locking screws/nuts or they must be secured using new thread-locking adhesive.

## 7 Maintenance

### 7.1 Maintenance and Inspection

The product is maintenance-free, provided the cleaning and safety instructions outlined below are adhered to.

To ensure good performance and safety the following checks should regularly be carried out:

- Check the product and accessories /options regularly for damage. Do not use the product if defective.
- Check tilting function of the seat frame and backrest (Ocean Dual VIP Ergo). Easy tilting and secure locking of the position is mandatory.
- If tilting function to a lower angle than 0° is not possible, remove the tilt stoppers (optional) if needed.
- In case of damage or malfunction it is recommended to contact the provider.
- Ensure that the product is securely assembled incl. all protection covers and that screws are properly tightened.



#### **WARNING!**

##### **Risk of Injury and Damage**

If the product is improperly adjusted it can cause accidents and severe injuries.

- The product must be repaired by a qualified technician.
- Damaged parts have to be replaced by a qualified technician.
- Only use original Invacare spare parts.

## 7.2 Cleaning and Disinfection

### 7.2.1 General Safety Information



#### **CAUTION!**

##### **Risk of Contamination**

- Take precautions for yourself and use appropriate protective equipment.



#### **NOTICE!**

Wrong fluids or methods can harm or damage the product.

- All cleaning agents and disinfectants used must be effective, compatible with one another and must protect the materials they are used to clean.
- Never use corrosive fluids (alkalines, acid etc.) or abrasive cleaning agents. We recommend an ordinary household cleaning agent such as dishwashing liquid, if not specified otherwise in the cleaning instructions.
- Never use a solvent (cellulose thinner, acetone etc.) that changes the structure of the plastic or dissolves the attached labels.
- Always make sure that the product is completely dried before taking it into use again.



For cleaning and disinfection in clinical or long-term care environments, follow your in-house procedures.

## 7.2.2 Cleaning Intervals



### NOTICE!

Regular cleaning and disinfection enhance smooth operation, increases the service life and prevents contamination.

Clean and disinfect the product:

- regularly while in use,
- before and after any service procedure,
- when it has been in contact with any body fluids,
- before using it for a new user.

## 7.2.3 Cleaning

The product can be cleaned using commercially available agents.

### Cleaning in a Domestic Environment

1. Remove any accessories /options fitted (only accessories / options which do not require tools).
2. Pull the footrests out of the guides.
3. Remove the seat plate and the backrest cover.
4. Remove the brake covers and clamping protection covers, see chapter 4.2.9 *Installing/ Removing the Brake Covers/ Clamping Protection Covers, page 19*.
5. Wipe down the individual parts using a cloth or brush and commercially available cleaning agents and disinfectants.
6. Rinse the parts with warm water.
7. Dry the parts with a cloth.
8. Reassemble the product, see chapter 4 *Setup, page 12*.

## Cleaning in a Clinical Environment



In addition to cleaning as described above we recommend cleaning the product prior to the use by another patient, after ending of the period of use or on a regular basis (depending on which occurs first) at

- 90 °C for 1 minute
  - 85 °C for 3 minutes
  - 80 °C for 10 minutes
- in the autoclave.



### CAUTION!

#### Risk of burning your Skin

- Allow the product to cool after cleaning in the washing machine or autoclave.

### Cleaning the Backrest Cover

1. Remove the backrest cover.
2. Machine-wash the cover at max. 60 °C using a mild detergent.



### NOTICE!

#### Risk of Damage

- Washing at higher temperatures can cause damage.
- Do not tumble dry.



### NOTICE!

- Excessive cleaning can damage the textile.
- We recommend replacing the backrest cover every two years for hygiene reasons.

### **Cleaning the Toilet Pan (optional)**

The toilet pan can be cleaned in an autoclave at following temperatures/times:

- 90 °C for 1 minute
- 85 °C for 3 minutes
- 80 °C for 10 minutes.

#### **7.2.4 Disinfection Instructions**

##### **In Domestic Care**

Method: Follow the application notes for the used disinfectant and wipe-disinfect all accessible surfaces.

Disinfectant: Ordinary household disinfectant.

Drying: Allow the product to air-dry.

##### **In Clinical and Long Term Care**

Follow your in-house disinfection procedures and only use the disinfectants and methods specified therein.

## 8 After Use

### 8.1 Storage



#### **WARNING!**

#### **Risk of Damage to the Product**

- Store the product in a dry area.
- Do not store the product near heat sources.
- Do not expose the product to direct sunlight.
- Refer to the storage and shipping conditions in chapter *10.3 Environmental Parameters, page 34*.



After long time storage, a higher force may be needed to trigger the gas spring (Ocean Dual VIP Ergo only).

### 8.2 Reconditioning

This product is suitable for reuse. To recondition the product for a new user, carry out the following actions:

- Inspection
- Cleaning and disinfection

For detailed information, see *7 Maintenance, page 27* and the service manual for this product.

Make sure that the user manual is handed over with the product.

If any damage or malfunction is detected, do not reuse the product.

### 8.3 Disposal

Be environmentally responsible and recycle this product through your recycling facility at its end of life.

Disassemble the product and its components, so the different materials can be separated and recycled individually.

The disposal and recycling of used products and packaging must comply with the laws and regulations for waste handling in each country. Contact your local waste management company for information.

## 9 Troubleshooting

### 9.1 Identifying and Repairing Faults

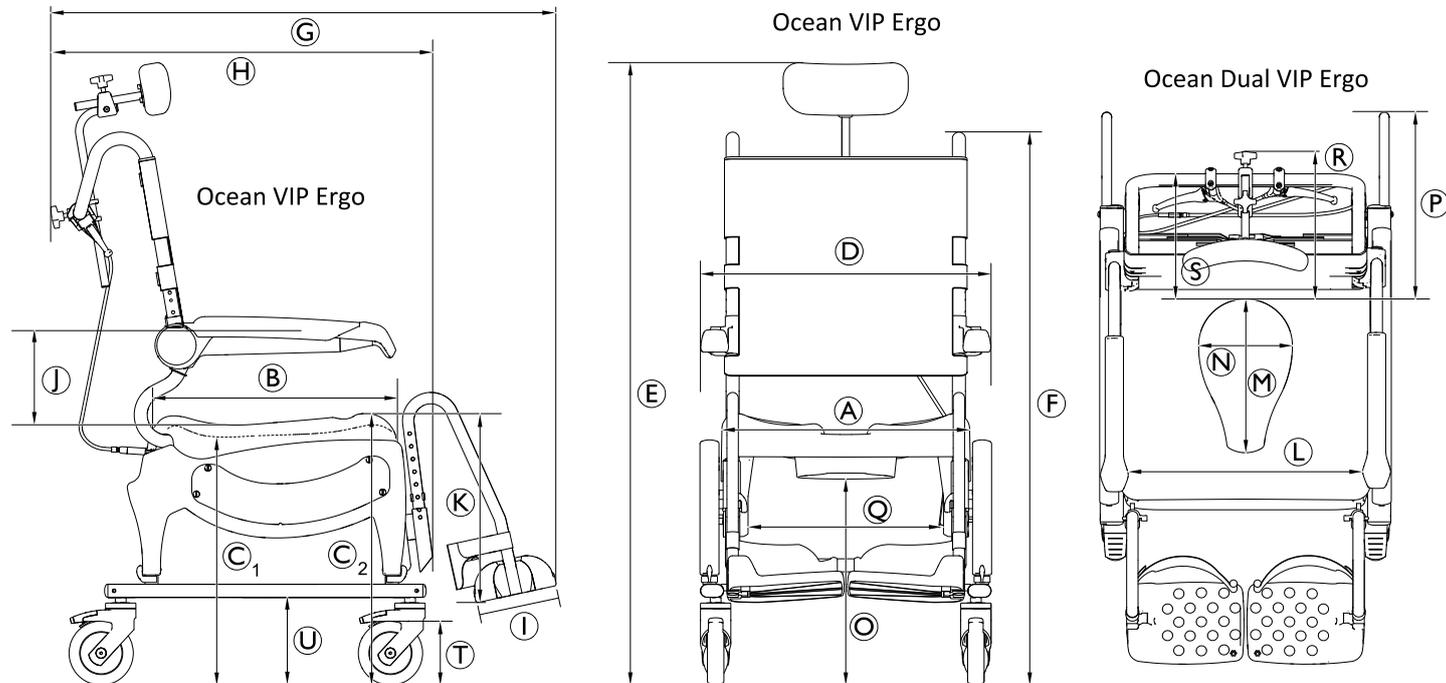


The following table provides information on malfunctions and their possible causes. If you cannot correct the malfunction using the solutions named, contact your provider directly.

Malfunction	Possible Cause	Solution
Difficulty in adjusting the seat height	Dirt between the seat frame and the side part	Disassemble the base frame and clean base frame and side part thoroughly
The castors are difficult or impossible to turn	Dirt between the fork and the rim	Thoroughly clean the castors
Difficulty pushing the footrests to the side	Deposits in the guides	Thoroughly clean the footrests and the guides
The seat frame with backrest cannot be tilted	Deposits in tilting mechanism	Remove brake cover and brake lever cover and thoroughly clean the tilting mechanism
	Bowden cable not correctly adjusted	The Bowden cable must be adjusted by a qualified technician
Higher force needed to trigger the gas spring (Dual VIP)	Long-time storage	Repeat the tilting of the backrest several times
The backrest cannot be tilted (Dual VIP)	Bowden cable not correctly adjusted	The Bowden cable must be adjusted by a qualified technician
Rattling noise during tilting of the seat frame with backrest.	Bowden cable not correctly adjusted	The Bowden cable must be adjusted by a qualified technician
	The activation handle is not pulled completely	Pull the activation handle completely.

## 10 Technical Data

### 10.1 Dimensions and Weight



	Ocean VIP Ergo	Ocean VIP Ergo XL*	Ocean Dual VIP Ergo
(A)		480 mm	
(B)		480 mm	

	Ocean VIP Ergo	Ocean VIP Ergo XL*	Ocean Dual VIP Ergo
© <sub>1</sub>	475 mm – 600 mm		
© <sub>2</sub>	533 mm – 658 mm		
©	565 mm	645 mm	565 mm
©	ca. 1052 mm – 1340 mm (in neutral seat position)		
©	ca. 1052 mm – 1202 mm (in neutral seat position)		
©	ca. 1000 mm Tilted: ca. 1520 mm Tilted and backrest reclined (Ocean Dual VIP only): ca. 1700 mm		
©	ca. 742 mm		
©	160 mm		
©	213 mm / 251 mm / 289 mm		
©	319 mm – 469 mm (in steps of 25 mm)		
©	475 mm	535 mm	475 mm
©	350 mm (top) / 300 mm (bottom)		
©	250 mm (top) / 182 mm (bottom)		
©	400 mm – 525 mm		
©	—	—	380 mm
©	385 mm		
©	295 mm		—
©	230 mm		—
©	Æ 5" (127 mm)		

	Ocean VIP Ergo	Ocean VIP Ergo XL*	Ocean Dual VIP Ergo
Ⓢ	172 mm		
Angle of inclination seat	-5° – 40°		
Angle of inclination backrest	—	—	5° – 35°
Turning diameter	2200 mm		
Reversing width	1140 mm		1290 mm
Product weight	23.5 kg		28.3 kg
Maximum user weight	150 kg		

\* XL-armrests are optionally available.

## 10.2 Materials

Frame	Stainless steel, powder-coated
Seat plate	Polypropylene, fiber-glass reinforced
Backrest cover	Nylon, PVC-coated
Footrests	Polypropylene, fiber-glass reinforced
Armrest	Polyamid, fiber-glass reinforced
Castors	Plastics and stainless steel

All product components are corrosion resistant and do not contain natural rubber latex.

## 10.3 Environmental Parameters

Operating Conditions	
Ambient temperature	10 - 65 °C
Relative humidity	15 % - 93 %, non-condensing
Atmospheric pressure	795 - 1060 hPa
Storage and Shipping Conditions	
Ambient temperature	0 - 65 °C
Relative humidity	30 % - 75 %, non-condensing
Atmospheric pressure	795 - 1060 hPa



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1652073-A 2023-08-18



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