

Vega

Rotation bed

User Guide



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atlas
REVALIDATIE TECHNIEK

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Foreword

This user manual is intended for parents and/or supervisors of children using the Vega rotation bed.

The Vega rotation bed bears the CE marking, which indicates that it meets the European safety requirements.

The settings of the bed are adjusted by the dealer prior to delivery. After this, the most important settings can be changed without difficulty to ensure that the user safely derives optimal benefits from his/her rotation bed by following the directions contained in this user guide.

The user guide contains a great many photographs that will facilitate finding the adjustment facilities on the rotation bed.

Your experiences with the Vega are important for its continual improvement. If you have remarks or suggestions for improvement of this product, please contact us via:

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Read this user guide carefully.

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1. The Vega rotation bed

The Vega rotation bed is an anti-decubitus bed and was developed to prevent bed sores and to support patient care. It is generally well known that movement is the best way to prevent decubitus. The Vega bed makes it possible to regularly turn the user from one side to the other.

Unique rotation functions

The bed's unique longitudinal rotation mechanism allows the user to be placed on his/her side. The rotation mechanism can be manually adjusted to the right or to the left or can be automatically set with 30, 60 and 90 minute rotation times.

The lateral position can be manually set with a rotation angle of 30°. This can lighten the effort required by the carer, for example, in turning over the user, changing linen and washing the user's buttocks.

The automatically set rotation angle of 8 degrees is gradual and steady, and does not cause pain or disturb sleep. The user is slowly turned over, which varies the body's pressure points. The rotation programme can be interrupted at any time so that the bed is returned to its horizontal position.

Height adjustments

The bed can be set to a height of 35 to 80 cm using an electric motor. The head of the bed can be adjusted separately or in combination with the bed's knee segment (Fowler Position) using an electric motor. In addition, the bed is equipped with a Trendelenburg adjustment mechanism.

Standard features

The Vega bed includes the following standard features: two collapsible side guards; central wheel brakes; the bed's slats are made of steel bands.



Illustration 1:
The standard Vega rotation bed.

- a) Remote control
- b) Brake
- c) Motor
- d) Swivel wheels with central brakes
- e) Bottom made with slats
- f) Collapsible side guard

2. Safety

It is imperative for the user's supervisors and parents to adhere to the following safety instructions in order to safeguard the safe use of the rotation bed.

2.1 Safety instructions

- a) First read this user guide and try out the bed before it is actually used;
- b) Never leave the user alone in the bed when one or both side guards of the bed are down;
- c) Never leave the user alone in the bed when the mattress is positioned at its highest possible setting;
- d) Ensure that the user is not able to operate the carer's remote control him/herself. Do this by placing this remote control beyond the user's reach;
- e) Always set the brakes on at least two of the wheels when the bed is in use and does not need to be moved;
- f) Remove the electrical plug from the wall before moving the bed. Be careful not to drag the cord across the floor and that it does not come near the wheels;
- g) The plug must be removed from the wall plug when the bed is being cleaned. If nursing personnel need to reach below the bed, the HILO component must be removed as an additional precaution;
- h) Never use the Vega bed when its electric materials, cords or remote control are defective;
- i) Ensure that liquids never come near the bed's electric components;
- j) When adjusting the bed: be sure that there are no children in the way and never insert your fingers or hands below the bed's surface;
- k) **NEVER ALLOW CHILDREN TO PLAY IN, NEAR OR WITH THE BED;**
- l) The bed's custodian is always fully responsible to ensure that no persons or objects are compressed by the bed and for maintaining the bed in good condition; The bed must be kept clean and its electric components must be inspected at least 1 time per year;
- m) Place the bed on a level surface;
- n) Do not exceed the maximum permissible 135 kg user weight;
- o) Any service carried out by a person who has not been authorised by Atlas Revalidatie Techniek will invalidate the warranty and Atlas Revalidatie Techniek will no longer be liable for injuries and/or damage.

Safety instructions 'b' and 'd' are repeated on a warning sticker affixed to the rotation bed (see figure below). Make sure that this text remains legible at all times. If necessary ask for a new copy of this sticker.

Never leave the user alone in the bed when one or both side guards
of the bed are down.
Ensure that the user is not able to operate the bed him/herself.

2.2 Immediate danger

Practice the following steps designed to rapidly retrieve the user from the rotation bed in the event of fire or other immediate danger, until you are able to carry them out quickly.

Acting quickly in the event of fire or other immediate danger:

- a) Drop down one of the sides of the side guard;
- b) Drop down the other side;
- c) Lift the user from the rotation bed, if necessary with the assistance of a lifter.

3. Initial use

Before putting the rotation bed into use, inspect it for visible defects. In case of doubt consult the supplier. Ask the supplier to instruct you, if you are not yet familiar with the use of this rotation bed.

Please read this user guide carefully prior to making use of the rotation bed and verify that the use and purpose of all components are clear to you (try everything out first, before placing the user in the rotation bed). Familiarise yourself with the safety instructions in chapter 2.

Arrangements can be made to receive personal instruction from you supplier. In case of problems, contact the attending therapist or the supplier of the rotation bed.

If a lying orthosis is used, please consult your supplier for its daily use.

3.1 Transferring the user into the rotation bed

To transfer the user into the rotation bed in a safe and responsible way it is important to carefully adhere to the sequence of steps described below. Please refer to chapter 4, Operation, for the rotation bed's operating instructions.

- a) Place the rotation bed at the desired height;
- b) Allow one side of the side guard to drop down and then allow the other side to drop down;
- c) Lift the user into the rotation bed, if necessary with the help of a lifter;
- d) Pull the side guard up gently with both hands until it clicks into place on both sides;
- e) Verify that the side guard is properly secured;
- f) Place the bed at the lowest possible setting;
- g) Never leave the user alone in the bed when the bed's side guards are down.

3.2 Transferring the user out of the rotation bed

To transfer the user out of the rotation bed in a safe and responsible way it is important to carefully adhere to the sequence of steps described below. Please refer to chapter 4, Operation, for the rotation bed's operating instructions.

- a) Place the rotation bed at the desired height;
- b) Allow one side of the side guard to drop down and then allow the other side to drop down;
- c) Lift the user out of the rotation bed, if necessary with the help of a lifter;

Attention:

Adopt a comfortable posture while moving the side guards up and down and when lifting the user into and out of the rotation bed.

Verify that the side guards are properly secured after closing them.

4. Operation

4.1 The brakes

- The brakes on the bed are set and released using the red levers located near the wheels.
- Engaging the brake:
Push one of the red levers completely down with one foot (see illustration 2A). The wheels are set using a central mechanism. This means that when the brake is set on one wheel, the brake on the opposite wheel is also engaged. Repeat the same procedure for the other red lever. Verify that the bed cannot move.
Releasing the brake:
Push the red lever up with the nose of the shoe (see illustration 2B).
- Always keep the bed's brakes engaged, particularly when transferring the user.



Illustration 2A:
Engaging the brake.



Illustration 2B:
Releasing the brake.

Attention:

Engage the central brakes of at least two of the four wheels.

4.2 Collapsible side guards

- The sliding bolts for moving the side guards up and down are located on the side guards (see illustration 3).
- Moving the side guard down:
Push the side guard slightly up with one hand and push the sliding bolt to the side with one finger. Allow the side guard to gently drop down. Repeat the same process on the other side of the side guard.
Moving the side guard up:
Pull the side guard up gently with both hands until it clicks into place on both sides. Verify that the side guard is properly secured.



Illustration 3:
Moving the side guards up and down.

Attention:

Never leave the user alone in the bed when one or both side guards are down.

4.3 The angle, height and rotation adjustments

The bed is operated using two remote controls (see illustrations 4 and 5).

4.3.1 The remote control for the user/carer:

See illustration 4.

- **Adjusting the back**

By pressing the 'a' button, the back portion of the bed will rise up until the button is released or when the final position is reached. When the 'b' button is pressed, the head portion will be lowered until the button is released or until the final position is reached.

If the lever below the bed is set to the right, the foot of the bed is moved at the same time (see section 4.4).

- **Adjusting the height of the mattress**

When the 'c' button is pressed, the bed will go up until the button is released or until the final position is reached. When the 'd' button is pressed, the bed will go down until the button is released or until the final position is reached.

- **Manual 8° lateral rotation**

By pressing the 'e' button, the user is laterally rotated 8° in the bed. The user is rotated very gently and his/her pressure points can be relieved this way.

- **Reset button**

When the 'f' button is pressed, the programme is returned to its neutral position.

- **Anti-Trendelenburg/Trendelenburg adjustment**

When the 'g' button is pressed, the mattress as a whole will tilt up at the head.

When the 'h' button is pressed, the mattress as a whole will tilt up at the foot.

Buttons 'c' or 'd' must be used to return the bed to its horizontal position.

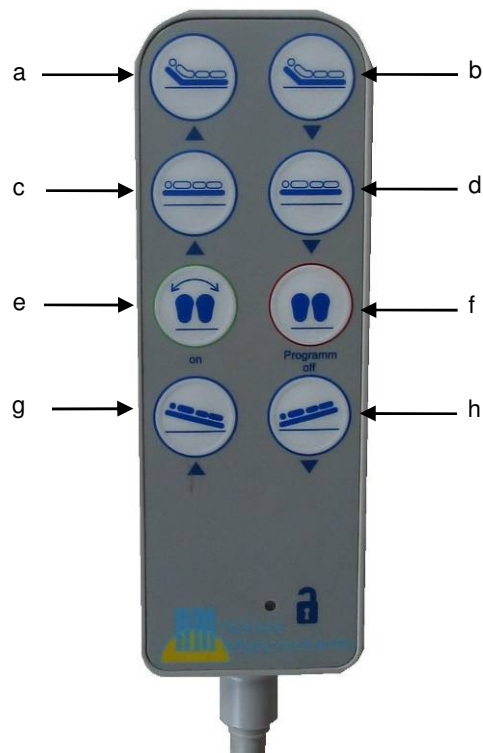


Illustration 4:
Remote control for the user/carer

- a-b) Adjusting the back
- c-d) Adjusting the height of the mattress
- e) Automatic 8° lateral rotation
- f) Reset button
- g-h) Anti-Trendelenburg/
Trendelenburg adjustment

4.3.2 Remote control for treatment

See illustration 5.

- Automatic 8° rotation
Button **a**: 30 minute programme
- Automatic 8° rotation
Button **b**: 60 minute programme
- Automatic 8° rotation
Button **c**: 90 minute programme

The automatic rotation is set by the carer. The rotation is gentle and steady.

- Reset button to neutral position
Button **d**.

- Manual 30° rotation
Button **e**.

- Manual 30° rotation
Button **f**.

The manual 30° rotation is used to minimise the effort required by the carer when the user needs to be turned over or the bed linen needs to be replaced.

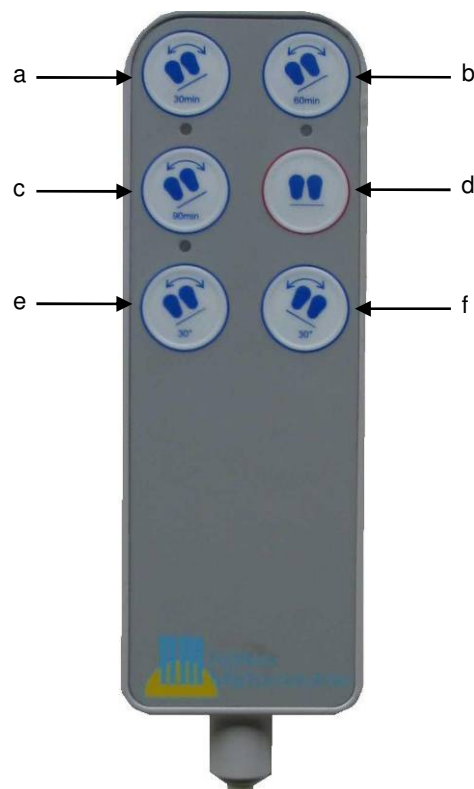


Illustration 5:
Remote control for treatment

Attention:

Ensure that the bed is placed at the proper height when attending to the user.

Never leave the user alone in the bed when the mattress is set at its highest possible position.

- a) Automatic 8° rotation, 30 minutes
- b) Automatic 8° rotation, 60 minutes
- c) Automatic 8° rotation, 90 minutes
- d) Reset button to neutral position
- e) Manual 30° rotation
- f) Manual 30° rotation

4.4 The lever for adjusting the back and knee portion

- The lever for adjusting the back and knee portion is located underneath the bed (see illustrations 6 and 7).
- When the lever is pointed to the left (see illustration 6), only the back portion when the user/carers remote control is used (see section 4.3.1).
When the lever is pointed to the right (see illustration 7), the back portion and the foot portion can be adjusted simultaneously when the user/carers remote control is used (see section 4.3.1).



Illustration 6:
Lever to the left: back portion only can be adjusted



Illustration 7:
Lever to the right: back + foot portion can be adjusted

5. Maintenance

The rotation bed requires little maintenance:

- Every time that the user lies down in the bed, verify that the side guards are securely fastened and that the bed is positioned at the lowest possible height when there no longer is any supervision;
- Attend to daily hygiene. The rotation bed can be cleaned using general non-chlorinated, non-abrasive domestic cleaning agents.
- The frame must be regularly dusted;
- Keep the motors free from dirt;
- Lightly spray the moving parts with silicon spray once a year. (Note: silicon spray may stain surfaces.)

6. Repairs

- **If the bed no longer, or only partially works:**
 1. Ensure that the cord is properly plugged in and press the reset button on the plug for 1 minute (green button on plug).
If this does not resolve the problem, then:
 2. Verify that the electrical outlet has power. This can be verified by, for example, plugging a standard lamp into the electrical outlet.
If the electrical outlet has power, then:
 3. Remove the plug from the electrical outlet for 30 minutes and then reinsert the plug. Then press the green reset button on the plug for 1 minute.
If this does not resolve the problem, then:
 4. Ensure that the plug is properly placed in the electrical outlet, move the bed manually by pressing the 30° button and by rotating the bed more than 8° to the left or to the right. Then press the green reset button on the plug for 1 minute.
If this does not resolve the problem, then:
 5. Call Atlas Revalidatie Techniek to make an appointment with a service technician (telephone: +31 (0)486-45 33 44).
- Contact the supplier immediately to arrange for repairs in case of defects that could endanger the child.
- If you are unsure about the correctness of the adjustments or the correct form and use of accessories, contact the therapist or supplier about possible changes that may be required.

7. Warranty

The following warranty covers normal use:

- Warranty on manufacturing defects up to 12 months after the delivery date of the rotation bed.
- The mattress is not covered by the warranty.

The warranty will be voided in case of:

- Damage as a result of misuse, neglect, an accident, incorrect repair, exposure to corrosive or abrasive agents, the use or storage of the rotation bed in damp conditions, any failure to follow maintenance or safety instructions, or if replacements or modifications are made by anyone other than a person authorised by Atlas Revalidatie Techniek.

Please include your name, address, type of rotation bed, serial number and the date of initial use in any correspondence.

8. Technical data

Dimensions of bed base:	90 x 200 cm
Outer dimensions:	101 x 220 cm
Standard height adjustments:	35 cm - 80 cm
Maximal permissible user weight:	135 kg
Material:	Clear varnished beech
Electrical data:	230V, 50Hz, 120W (max. output of transformer, motors & remote control is 24V)
	Double insulated, class II B
	Operating/ idle time: 2 min./ 18 min.
	Watertight IP 66 (44)
	Sound level 43 dB A

Standard bed comes with double locking swivel wheels.