



# BATH CHAIR AKVOSEGO™



USER MANUAL





Manufacturer takes responsibility for proper usage of the device only when the product was purchased from qualified **REH4MAT Ltd.** employee or at specialized medical store!

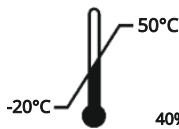
**REH4MAT Ltd.** reserve the right to introduce technical and trading changes in the content of the instruction without warning.



Product marked with the CE sign is Class I medical device, of rule 1, consistent with the requirements of Regulation (EU) 2017/745 of the European Parliament and of the Council of 5 April 2017 on medical devices.



**REH4MAT Ltd.** Company introduced quality management system ISO 13485 regarding production, sales and service. The system is certified by Det Norske Veritas.



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## INTRODUCTION

**AKVOSEGO™** bath chair is simple and innovative solution that is helpful while taking care of disabled people. The bath chair consists of solid frame that is made of aluminium and, moreover, it protects from adverse effects of water. Furthermore, frame is equipped with foam covers that protect bathtub or kids bath tub from scratching. Unique construction of frame makes it possible to adjust the tilt angle of footrest and backrest.

Furthermore, it is also possible to change distance as well as seat's tilt angle towards floor. It is highly beneficial due to the fact that product is correctly adjusted to user's needs which is very helpful while e.g. washing little user's hair.

Concerning upholstery, it is made of impermeable net. **AKVOSEGO™** bath chair can be used together with **BodyMap®** cushion either in a room or during bath because all **BodyMap®** cushions are totally waterproof! The use of **BodyMap®** cushion makes the stabilization of user more efficient during bath.

Its upholstery and frame are available in different colours – it depends on its size.



Before using the product, user is obliged to familiarize himself / herself with user manual.

Remember that complying with guideline is highly important. It assures safety and extends durability as well as aesthetics of the device.



## 1. THE PURPOSE OF USER MANUAL



Before using the **AKVOSEGO™**, user is obliged to familiarize himself / herself with the user manual.

This manual contains information necessary for correct use of **AKVOSEGO™** bath chair, preparation of the device before use, maintenance and cleaning as well as the guarantee conditions.

Manual should be kept in an easy accessible place. The manual is addressed to parents, doctors and physical therapists who take direct care of handicap children.

Please remember that following the rules of the user manual enables safe use of the product, its extended life and esthetics.

## 2. INDICATIONS AND CONTRINDICATIONS FOR USE

### **Intended purpose of the product with a defined target group:**

Disabled people (children / adolescents) with cerebral palsy, muscular dystrophy, spina bifida, spinal cord injuries and neurological deficits.

### **Indications:**

- Cerebral palsy (CP);
- Muscular dystrophy;
- Spina bifida;
- Other neurological diseases with movement deficits in the form of paralysis and paresis of the limbs and / or trunk

### **Contraindications:**

- Incorrect positioning of the person with the use of bathing products may lead to deformation of the joints, and long-term keeping of the person in one position significantly increases the risk of pressure ulcers.
- Max. user's weight: size 0 - 25 kg, size 1 - 30 kg, size 2 - 50 kg, size 3 - 75 kg.



### 3. GENERAL CHARACTERISTIC OF BATH CHAIR

#### 3.1 STANDARD EQUIPMENT

- 1. Frame
- 2. Head support
- 3. Trunk support
- 4. Upholstery not absorbing the water
- 5. Leg support



#### 3.2 ACCESSORIES





## 4. SIZE TABLE



Symbol	Measurement	Unit	Size 0	Size 1	Size 2	Size 3
A	seat width	[cm]	37	42	45	50
B	seat depth	[cm]	23 - 28	28 - 33	32 - 40	37 - 50
C	headrest height	[cm]	16	16	19	23
C <sub>1</sub>	backrest height	[cm]	31	40	44	50
C <sub>2</sub>	lower leg length	[cm]	26	31	36	41
C <sub>3</sub>	seat height (from the floor)	[cm]	11 - 44	11 - 44	13 - 49	15 - 54
	footrest angle (relatively to the seat)	[°]	90 - 180	90 - 180	90 - 180	90 - 180
	backrest tilt angle (relatively to the seat)	[°]	90 - 180	90 - 180	90 - 180	90 - 180
	headrest angle (relatively to the backrest)	[°]	205	205	205	205
	max. user weight	[kg]	25	30	50	75
	indicative user height*	[cm]	< 100	100 - 120	120 - 140	130 - 170

### WEIGHT AND DIMENSIONS

Measurement	Unit	Size 0	Size 1	Size 2	Size 3
width	[cm]	42	42	45	50
width after folding	[cm]	42	42	45	50
length	[cm]	70	75	91	97
length after folding	[cm]	64	67	76	88
height	[cm]	80	85	96	113
height after folding	[cm]	28	28	29	31
weight	[kg]	4	4,5	5	8

Note: Measurement tolerance range is +/- 1 cm / ½ in.

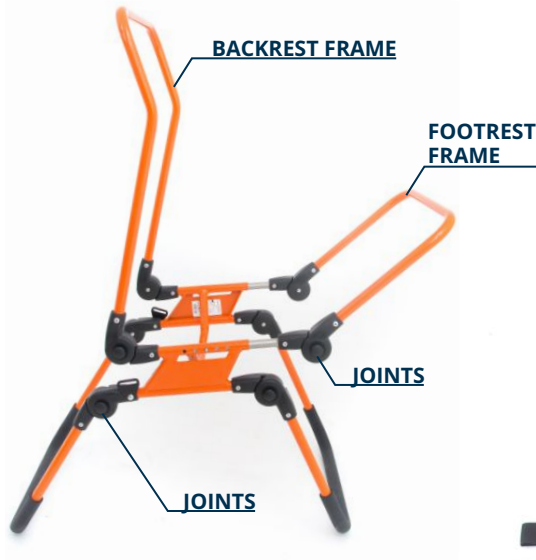
Note: Approximate values, depending on the product configuration.

\*This measurement cannot be the main parameter while choosing the product size.



## 5. DETAILED DESCRIPTION OF HOW TO APPLY THE LOUNGER UPHOLSTERY

### FRAME OF BATH DECKCHAIR



### UPHOLSTERY



### HEAD SUPPORT



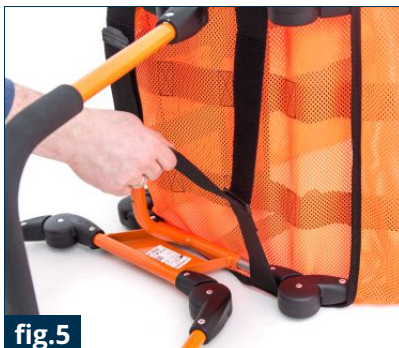


To put on the upholstery on the frame first you must:

- press joints (G and F) at the same time adjust the angle between the backrest and the footrest (according to fig. 1),
- insert the upper part of upholstery on the frame of the back support (fig. 2, 3),
- push the bottom part of the upholstery onto the footrest frame (fig. 4).



Fasten all straps with Velcro closures from the underside of the lounger (fig. 5, 6). Please keep in mind that the straps should cover the seat frame.





To mount the head stabilizer you must:

- choose the appropriate height of the stabilizer on the backrest of the lounger,
- next using straps with Velcro closures fasten the stabilizer on the back of the lounger (fig. 7, 8),



- lounger with upholstery set to the usable position (fig.9).



Do not fully immerse the product.

When using the product in the bathtub, keep the drain open do that water does not accumulate. This poses a risk to the user and to the proper functioning of the product.

Do not make adjustments while the bath chair is wet.

Do not make adjustments while there is a user on the chair, as doing so many damage the regulators.

## 6. HOW TO USE BATH CHAIR

### 6.1 THE ADJUSTMENT OF BATH CHAIR



Slight backlash of the product is possible due to the jointed design.

It is necessary to use special joints so as to adjust bath chair **AKVOSEGO™**.  
It is possible to adjust following parts of bath chair **AKVOSEGO™** :

#### BACKREST



#### FOOTREST







## THE TILT ANGLE OF BATH CHAIR



Every standard bath chair **AKVOSEGO™** is equipped with head support, trunk stabilizing belt and feet stabilizing belts. All these parts secure the user while using the product. Please follow these steps mentioned below to use the product.

**STEP 1.** Fix belt with head stabilizing pelottes at chosen height. Belt should be fastened at the back of seat by means of Velcro tapes. The distance of pelottes can be adjusted.







**STEP 2.** Fix trunk stabilizing belt. Belt is fastened with the aid of Velcro tapes and it can be fixed at any height. It is necessary to thread belt through grommets which are situated on either backrest of seat. Next, fasten the belt.



**STEP 3.** Fix feet stabilizing belts. Belts are fastened with the aid of Velcro tapes and they can be fixed at any height. It is necessary to thread belts through grommets which are situated on footrest. Next, fasten belts.



## 6.2 SEAT DEPTH ADJUSTMENT

In order to adjust the depth of seat, there is necessary to press the buttons on both sides at the same time.





## 6.3 UPHOLSTERY

Tension of upholstery can be easily adjusted by straps with Velcros that are located under the chair.

## 7. ACCESSORIES

### 7.1 AKS\_806 PELVIC - THIGH BELT

The pelvic-thigh belt ensures an adequate level of stability and safety while sitting in the seat. To attach the belt, the bottom strap with buckles must be put under the seat and then fastened.



bottom strap with buckles



Afterwards, insert the two side straps into regulators as explained below. Properly attached belt is shown in the last picture.



side straps with regulators





## 7.2 AKS\_805 PELVIC SUPPORT



Mount the pelvic support on the **AKVOSEGO™** in the same way as the side straps with regulators which are part of the pelvic thigh belt (photos above).

## 7.3 AKS\_807 THIGH WEDGE





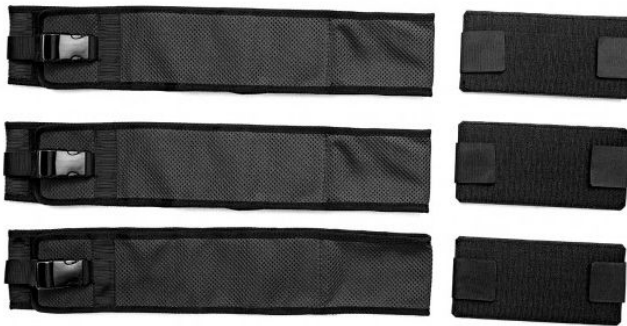
## 8. HOW TO FIX BODYMAP® CUSHION ON BATCH CHAIR

All **BodyMap**® cushions are waterproof and highly thanks to which it is recommended to use them together with bath chair **AKVOSEGO**™ so as to enhance upright standing and secure the user while performing nursing activities.

Please follow steps mentioned below to fix **BodyMap**® mattress:

**STEP 1.** Disassemble head support, trunk stabilizing belt and feet stabilizing belts.

**STEP 2.** Fix **BodyMap**® mattress with the aid of fastening set that is included in optional equipment for bath chair **AKVOSEGO**™. Each set is equipped with pelvic - thigh belt, two wide belts that stabilize the user and three Velcro tapes that used to place **BodyMap**® mattress on seat.



Before fixing the **BodyMap**® mattress on the both seat, it is necessary to assemble special Velcros in lower, medium and upper part of the seat. Self-adhesive surface of **BodyMap**® mattress makes it possible to fix it quickly on bath seat.





**STEP 3.** Then fix belts stabilizing the user. Belts are fastened by Velcro tapes buckle. Below you can see the correct assembling process:



**STEP 4.** To fix **BodyMap®** mattress is necessary to unfasten stabilizing belts. Place mattress on bath chair **AKVOSEGO™** in a way that its self - adhesive surface touches bath seat's upholstery. Next, place the user on mattress and fasten stabilizing belts. Please remember that **BodyMap®** mattress has to be shaped according to user's body because only then mattress correctly stabilizes the user both in sitting. Please familiarize yourself with the guidelines concerning shaping the mattress which are included in user manual for **BodyMap®** system.





## 9. THE USE OF BATH CHAIR



Bath chair **AKVOSEGO™** has to be used with compliance to guidelines included in this user manual and with trained person.

Before every using, there is necessary to prepare the user and the device!

Please follow these step below:

- unfold the device,
- place the device on even surface, without slopes,
- make sure that all parts are serviceable, correctly mounted and stable,,
- adjust bath seat and head support to user's measurements,
- unfasten trunk stabilizing belt and feet stabilizing belts,
- place the user in bath seat and secure him / her by set of belts from standard equipment.

If product is used together with **BodyMap®** mattress; first fix cushion on bath chair with the set of fastening and then shape it according to user's body.



Do not make adjustments while the bath chair is wet.

Do not make adjustments while there is a user on the chair, as doing so many damage the regulators.

Before using, remember to make sure that all belts and locking are correctly adjusted and fastened.

Our device works correctly only when the product is adjusted according to user's measurements.

Correct adjustment is the most important due to the fact that only then the product is safe. It is forbidden to force child to keep specific position because he/she will feel uncomfortable and it may lead to wrong posture.



## 10. SAFETY RULES



**AKVOSEGO™** bath chair should be used in compliance with guidelines described in this user manual.

Do not forget to prepare both product as well as user before using **AKVOSEGO™** bath chair.

It is highly important to consult either doctor or physiotherapist in order to make right decision concerning the choice of bath chair and its size. It is also essential to familiarize with the guidelines described in user manual before using the device.

1. Before use it is necessary to:

- make sure that there are no damages or different faults which could endanger user's life. Make sure that all parts are operating correctly and are properly mounted. Moreover, make sure that there are no cracks as well as deformities,
  - make sure that all screws, nuts and other threaded, glued and sewn parts are firmly tightened,
  - make sure that buckles are operating correctly,
  - always use stabilizing belts: Velcro tapes from these belts has to overlap min. 8cm,
  - adjust the product to user's measurements as well as needs,
  - secure the user with the aid of head support, trunk stabilizing belt and feet stabilizing belts. It is necessary due to the fact that it protects the user against falling out of the device.
2. It is forbidden to use bath chair for different purposes than it is intended to.
  3. It is forbidden to use bath chair if it is destroyed or any part is missing.
  4. It is forbidden to leave the user unattended.
  5. It is forbidden to use the product without trained person or medical staff.
  6. It is necessary to fold and secure bath child seat during transportation in order to avoid any possible damages. Manufacturer doesn't take responsibility for damages which appeared due to improper preparation of the device during transportation.



7. It is forbidden to place and use the product close to fire or high temperatures. Bath chair cannot be stored as well as used in rooms with high humidity
8. Before using the chair remove all paper and plastic package. The package is not a toy. Keep away from children and animals.



Incorrect product adjustment can lead to such side effects as fainting, body deformities, joint overload, etc. If the abovementioned symptoms occur, stop using the product immediately, take the user out of the product and lay them down. If the undesirable symptoms persist, contact a physician immediately. If the symptoms have disappeared, inform the attending physician about this fact in order to make a decision about the further rehabilitation process.

Serious incidents involving this device should be reported both to manufacturer and to the competent authority in your country.

Do not make adjustments while the bath chair is wet.

Do not make adjustments while there is a user on the chair, as doing so may damage the regulators.

Do not fully immerse the product.

When using the product in the bathtub, keep the drain open so that water does not accumulate. This poses a risk to the user and to the proper functioning of the product.

The product contains small parts which children may swallow.

It is forbidden to make any changes concerning seat's structure due to the fact that it is dangerous and it results in losing warranty.

It is forbidden to exceed permissible weight load while using the product. All information concerning weight load is described on nameplate. Additionally, you can familiarize yourself with the table which you can find in this user manual on page 7.

**AKVOSEGO™** bath chair should be used in compliance with guidelines described in this user manual.





## 11. MAINTENANCE AND CLEANING

**AKVOSEGO™** bath chair should be kept clean and used in compliance with the manufacturer's recommendations. The device should be kept in clean, dry and ventilated room. Maintenance as well as cleaning have to be performed at least once a month. Regular cleaning and maintenance of bath chair are indispensable to maintain its correct functionality as well as safety.

It is highly advisable to remember about proper maintenance in order to extend product's aesthetics. So as to do that, it is essential to comply with these guidelines:

- It is possible to disassemble upholstery and clean it with the aid of washing machine, Maximum temperature is 60 degrees;
- It is forbidden to clean upholstery by means of solvents and caustic chemicals;
- In case of disinfection of upholstery, use products which are intended for it;
- Do not chlorinate;
- Do not iron;
- Dry far from sources of fire.



Manufacturer takes no responsibility for damages caused by use of wrong clearing agent.

Manufacturer takes responsibility only for latent defect or damages which appeared despite the fact that user complied with the guidelines.

If any damages appear, it is necessary to contact authorised salesman who sold you the product.





## TECHNICAL INSPECTION

Technical inspections should be performed regularly. Before servicing, the product should be thoroughly cleaned to reveal any hidden damage.

Frequency	What should be checked?	What should be done?	Remarks
<b>Before each use.</b>	General condition of the product.	<b>Check:</b> <ul style="list-style-type: none"> <li>the entire product for any visible damage, cracks or mechanical defects,,</li> <li>if the product complete,</li> <li>if all bolts, screws, knobs, nuts and other elements of the construction are complete and tightened..</li> </ul>	In case of any damage or defects, discontinue the use of the product and contact your Supplier/Distributor or the Manufacturer.
	Fastening of the construction elements.	<b>Check all the mechanisms of the product and its moving parts. Check in particular:</b> <ul style="list-style-type: none"> <li>if the seat is properly mounted (if applicable),</li> <li>if the wheels are properly mounted (if applicable),</li> <li>if the elements securing the user are properly mounted and if they work well (if applicable),</li> <li>if all the moving parts are complete, work properly, do not jam,</li> <li>if the adjustment mechanisms of the following elements work properly (if applicable): headrest, backrest, seat, abduction block, armrests, footrests.</li> </ul>	In case of any damage or defects, discontinue the use of the product and contact your Supplier/Distributor or the Manufacturer.
	Upholstery elements.	<b>Check:</b> <ul style="list-style-type: none"> <li>if there is any damage, tears, rips, loose seams or deformations on the upholstery elements,</li> <li>if the stabilizing straps, vests or safety belts are not frayed or twisted and if the buckles work properly,</li> <li>if the stabilizing straps, vests or safety belts work correctly and do not unfasten under pressure or when pulled.</li> </ul>	In case of any damage or defects, discontinue the use of the product and contact your Supplier/Distributor or the Manufacturer.
<b>Once a week.</b>	Product cleaning.	If the frame and upholstery get dirty (dusty, muddy, etc.) during everyday use, wipe them with a damp cloth without detergents. Remove dirt (e.g. hair, food remains, etc.) from the moving parts of the product.	The product should be cleaned when necessary, but at least once a week. Do not use any chlorine based cleaners or methylated spirit. Before using the product, check if the upholstery is dry.
<b>Once a month.</b>	Product construction connectors (welding, threading, soldering)	<b>Check:</b> <ul style="list-style-type: none"> <li>the condition of the product frame in the places of joining (welds, threads, soldering).</li> </ul>	In case of any damage or defects, discontinue the use of the product and contact your Supplier/Distributor or the Manufacturer.



Frequency	What should be checked? What should be done?	Remarks
Once every 6 months.	Construction moving parts. <b>Check:</b> • if the moving parts of the construction have not been damaged. Maintain them using a proper cleaning agent.	In case of any damage or defects, discontinue the use of the product and contact your Supplier/Distributor or the Manufacturer.
	Product labeling. <b>Check:</b> • if the marking and labels are readable.	In case of any damage or defects, discontinue the use of the product and contact your Supplier/Distributor or the Manufacturer.

The list of all spare parts is available for download after selecting a product on [www.reh4mat.com](http://www.reh4mat.com)

## 12. OZNAKOWANIE

- Declaration that the product meets the essential requirements
- Catalog number
- Serial number
- Please read the manual instructions before use
- You need to take special precautions!
- Manufacturer
- Production date
- The product does not contain latex
- Store in a dry place
- Medical Device

- Dry vertically
- Do not chlorinate
- Do not iron
- Do not dry in a drum dryer
- Do not bleach
- Cafereful! Delicate content!
- Protect from sunlight
- Storage temperature limitation
- Relative humidity storage



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