

ThevoTherapy

Thevo 
by Thomashilfen





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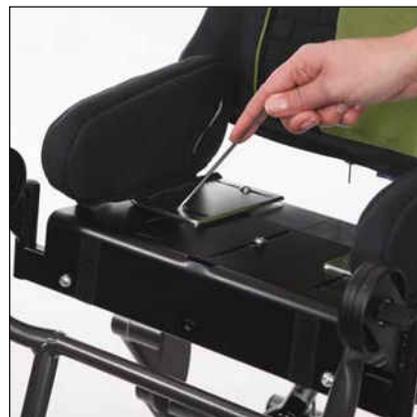
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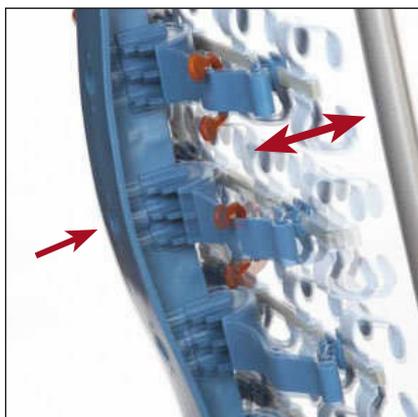
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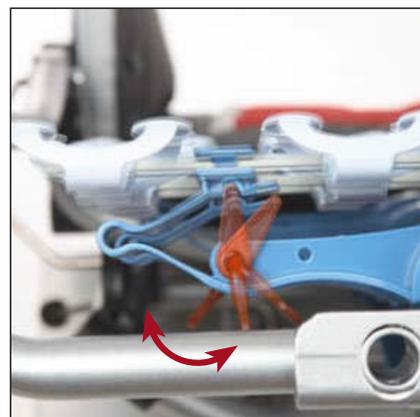
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Dear user,

The ThevoTherapy chair you have purchased is an innovative product made by Thomashilfen. After several years of research, a new concept in seat design for therapy chairs has been developed that ranks among the safest and most advanced seating systems on the market.

Please read the instruction manual before use to ensure that handling of the ThevoTherapy chair is safe, practical and comfortable for you and your child.

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Safety-related checks and maintenance intervals

- All operating elements and fastening screws should be checked every month. The telescopic sliding plate should remain free of dirt and sand.
- Please bear in mind that the screws and release handles (hip angle adjustment) should be secured after each adjustment.

Please observe the following general safety instructions:

- When handling ThevoTherapy, especially when setting up, please observe the recommendations in the user manual.
- Please keep packaging material away from children to avoid the risk of choking.
- We recommend that you adjust the seat depth and lower leg length according to the current body size of your child at least every 3 months. If necessary, ask your therapist / orthopaedist for assistance.
- Please bear in mind to engage the locking device after adjusting the seat height, seat angle, and hip angle.
- Please be careful not to catch your fingers when carrying out adjustments.
- Be careful not to harm yourself when folding up the footrest or adjusting the seat height.
- **IMPORTANT:** Use the attached Allen key for all adjustments (Allen screw 3mm/0.1").
- If you have doubts about the correct use of ThevoTherapy consult your local dealer to avoid incorrect adjustments.
- For safety reasons accessories not mentioned in this user manual should be mounted by specialists only.
- Please do not overload your ThevoTherapy and observe the maximum load capacity (see technical data).
- Only one child should be seated in ThevoTherapy.
- Do not leave your child unattended when getting in or off ThevoTherapy. Excessive load of the footrest may lead to slipping off or tipping.
- We recommend that you always secure your child with the 2-point pelvic belt (standard equipment) or another retention belt (available as an accessory), and never leave the child unattended in ThevoTherapy.
- Always lock the brake before placing or removing the child from ThevoTherapy.
- Always lock the brake when the chair is stationary to avoid rolling.
- Avoid any obstacles in the way of the chair, do not push the chair into them.
- **ATTENTION:** Wet wheels may affect the braking action. When stopping or halting for a longer period of time you should apply the foot brake to prevent inadvertent rolling.
- When lifting ThevoTherapy make sure to hold it at tightly welded or tightly screwed component parts only (frame tube at front and rear wheels).
- Please avoid uneven ground, as this may cause ThevoTherapy to tip over.
- Ground beams should be passed over only when the base frame is tilted to stand on the rear wheels (going upwards – pull backwards, going downwards – lowering slowly).
- Stairs must only be taken with the aid of an accompanying person. If available, elevators or similar equipment should be used. If such equipment is unavailable, the obstacle should be passed with the chair being carried by two persons, without the child sitting in it.
- Please be careful when pushing on slopes to avoid ThevoTherapy tipping over or rolling away, or your child falling out of the chair.
- Parking ThevoTherapy on slopes should be avoided.
- From time to time you should wipe off the dirt from the wheels. Use a damp cloth and make sure you dry thoroughly. Do not use strong solvent.
- High solar radiation may lead to high surface temperature on the dark upholstery material.
- Do not expose the gas springs to high pressure or temperatures.
- Do not loosen or remove any screws unless otherwise stated.
- Keep ThevoTherapy away from naked flames.

Purpose and use

ThevoTherapy provides disabled children with an upright, dynamic seat for indoors, which is suitable for the use on solid, flat ground. Due to the variable seat height it is appropriate for use both at home or in institutions, e.g. day-care centres. The child is normally enabled to sit at eye level with other children or adults at the table or in other situations. The Micro-Stimulation in the back caters for stable seating, providing hold and mobility at the same time.

Risks and contraindications

Proper handling may avoid any use-related risks. No contraindications are known.

Technical data

| ThevoTherapy | 1 | 2 |
|--|--|--|
| Seat depth | 19 - 30 cm / 7.5 – 11.8" | 27 - 38 cm / 10.6 – 15" |
| Seat width | 19 - 31 cm / 7.5 – 12.2" | 25 - 36 cm / 9.8 – 14.2" |
| Back height | 47 - 65 cm / 18.5 – 25.6" | 64 - 78 cm / 25.2 – 30.7" |
| Lower leg length | 17 - 30 cm / 6.7 – 11.8" | 25 - 36 cm / 9.8 – 14.2" |
| Knee angle | 90° to 180° | 90° to 180° |
| Hip angle | 90° to 122° | 90° to 122° |
| Foot angle | 78° to 100° | 78° to 100° |
| Size of foot rest (w x d) | 28.5 x 18 cm / 11.2 x 7" | 33 x 21 cm / 12.9 x 8.3" |
| Overall dimensions Seat (w x h x l) | 38 x 78 x 54 cm / 15 x 30.7 x 21.3" | 45 x 101 x 66 cm / 17.7 x 39.8 x 26" |
| Folding dimensions Seat (w x h x l) | 38 x 41 x 57 cm / 15 x 16.1 x 22.4" | 45 x 48 x 74 cm / 17.7 x 18.9 x 29.1" |
| Carrying capacity Seat | 35 kg / 77.2 lb | 40 kg / 88.2 lb |
| Seat tilt-in-space | -4° to +31° | -4° to +31° |
| Seat height with seat unit | 26 - 66 cm / 10.2 – 26" | 26 - 66 cm / 10.2 – 26" |
| Overall dimensions Indoor-Frame (w x h x l) | 54 x 59 x 73 cm / 21.3 x 23.2 x 28.7" | 54 x 59 x 73 cm / 21.3 x 23.2 x 28.7" |
| Folding dimensions Indoor-Frame (w x h x l) | 54 x 24 x 73 cm / 21.3 x 9.5 x 28.7" | 54 x 24 x 73 cm / 21.3 x 9.5 x 28.7" |
| Push bar height (accessory) | 80 - 102 cm / 31.5 – 40.2" | 80 - 102 cm / 31.5 – 40.2" |
| Adapter height | 20 - 59 cm / 7.9 – 23.2" | 20 - 59 cm / 7.9 – 23.2" |
| Size of swivel wheels (front) | 100 mm / 3.9" | 100 mm / 3.9" |
| Size of swivel wheels (rear with brake) | 100 mm / 3.9" | 100 mm / 3.9" |
| Carrying capacity Indoor-Frame | 50 kg / 110.2 lb | 50 kg / 110.2 lb |
| Weight | 19.9 kg / 43.9 lb | 21.4 kg / 47.2 lb |

Setting up and assembly

The base frame is supplied already fully mounted and folded together. Loosen the locking pin at the foot pedal and lock it by doing a quarter turn. You can now adjust the seat height and, if necessary, the seat tilt-in-space. (fig. 3-5)

Place the seat unit onto the adapter of the base frame and attach it using the 4 screws and washers provided (fig. 1). To take off the seat unit just remove the 4 screws again.

The footrest is to be fixed to the knee joints. Place the grid joints one upon the other, and connect them with the screws and the washers (coming from the inside) and wing nuts (coming from the outside). (fig. 2)

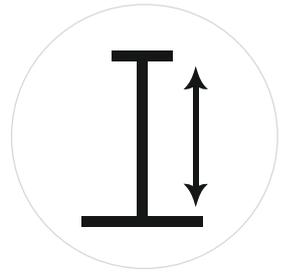
Folding

Bring the backrest to the maximum horizontal position, loosen the knee angles and swivel the footrest over and down onto the seat unit (fig. 2). Move the seat tilt adjustment to a horizontal position and lower the seat unit down to the ground (see seat height adjustment).

CAUTION: Hold the frame with one hand when folding to avoid it tipping over. Be careful not to catch your fingers.

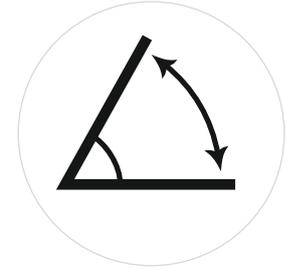
Seat height adjustment

The seat unit can be lowered down to the ground. Apply the **right** foot pedal at the back of the base frame (fig. 3-4). Now push the seat unit down (at the back, the armrests or the push bar, if available) or pull it upwards until the desired height is reached. To keep the height, simply remove your foot from the pedal. The seat height can also be adjusted during use of the chair. It may then be necessary for two people to lift the seat to the desired height. For safety reasons the seat height adjustment can be locked. The adjustment is locked when the locking pin to the left of the pedal is engaged (fig. 4). To unlock, pull out the locking pin and do a quarter turn.



Seat tilt-in-space adjustment

To adjust the seat tilt-in-space, use the pedal on the **left** side of the rear frame (fig. 5). First, engage the brakes. Now either push the seat unit forwards (at the back, the armrests or the push bar, if available) or pull it backwards until the desired angle is reached. To keep the angle, remove your foot from the pedal. The seat tilt-in-space can also be adjusted during use of the chair. It may then be necessary for two people to adjust the desired seat angle. For safety reasons the seat tilt-in-space adjustment can be locked. The adjustment is locked when the locking pin to the left of the pedal is engaged (fig. 4-5). To unlock, pull out the locking pin and do a quarter turn.



IMPORTANT: The seat height adjustment and seat tilt-in-space adjustment should always be locked during use of the chair.

CAUTION: When adjusting the seat height or seat tilt-in-space one person must secure the seating systems with both hands to avoid sudden changes of the child's position. We recommend carrying out this setting without the child in the seat unit.

Seat cushion

The seat cushion can individually be adjusted to the special needs of the children. Open the zipper at the cushion and place the foam parts as desired. (fig. 6)

Seat width

Loosen the hip seat guide screws from above using an Allen key and shift the hip guides accordingly. (fig. 7)

Seat depth

Loosen the Allen screws (also for the adjustment of the seat width) on the seating surface and pull out the seat plate. (fig. 7)

Tip: For easy adjustment of the seat depth, grip the front edge of the seat with one hand and press against bottom part of the backrest (concentric) with the other hand.

The depth of the hip guides can be adjusted, as well. Loosen the two screws, adjust the desired depth, and retighten the screws. (fig. 8)

Back height

Loosen both knurled nuts at the back of the seat unit and adjust the desired height. (fig. 9)

Note: The upper spring element should be removed for low back heights in order to facilitate an ergonomically correct sitting posture. (s. spring element)

Headrest

The height and angle of the headrest may be adjusted individually by loosening both wing nuts on the headrest. (fig. 10)

Backrest adjustment by gas spring

The release button at the top of the backrest has a safety lock. To unlock, slightly lift the release button and let it click into place again after a quarter turn. Now, you can adjust the back angle. Hold the backrest with one hand and press the release button down with the other hand. Adjust desired position by pushing or lifting the backrest. Then release the button again. The seat unit automatically slides forwards on its rails, shifting the centre of gravity. (fig. 11) Make sure to relock the release button after each adjustment. (fig. 11)



Lower leg length

Release the locking device by loosening the knurled nuts on the right and left of the footrest. The height of the footrest can be freely adjusted. (fig. 12)

Foot angle

Loosen the four screws on the right and left of the rear side of the footrest and adjust the desired foot angle. Retighten the screws. (fig. 13)

Knee angle

Set the knee angle by loosening the side wing screws (on both sides). (fig. 14)

Tip: The footrest can be flipped up to facilitate getting on and out of the chair.

Parking brake function

Locking / releasing the castors

The rear castors are equipped with easily accessible and easy to use brakes. To lock the castors press the locking device down. By pushing the locking device up again the castors become flexible. The brakes prevent the castors both from turning and from swivelling, so that the base frame can be safely parked via the rear wheels alone (fig. 15).

Spring element

The movable spring elements allow and facilitate the children's individual mobility. (fig. 16)

Angle of rotation

Loosen the central Allen screw at the back of the seat unit and adjust the desired angle of rotation of the spring element. Retighten the screw. (fig. 17)

Note: To dismount the whole spring element, loosen the central Allen screw and remove the spring element in forward direction.

Depth adjustment

In order to adjust the depth in the direction of the child, loosen the Allen screw for the adjustment of the rotation angle (s. above). Now the upper and lower Allen screw at the back of the seat unit can be turned to the right, and the whole spring element moves forward in the direction of the child. If the Allen screw is turned to the left, it moves back again. After adjustment, the central Allen screw (for the rotation angle) should be retightened. (fig. 18)

Spring movement limiters

The red spring movement limiters are located inside the spring element. The displacement of the FGF track can be limited as required.

To limit the spring travel, press the securing device inward until it engages into place. Press outward for loosening. (fig. 19)

The adjustment of the spring movement limiters may be restricted when the belt bow is used. In such cases, slightly press the spring element forward.

Tip: Slightly lift the FGF track from the front for easier adjustment.

FGF-track (flexible fibre glass track)

These tracks are made of fatigue-proof material using the latest fibre glass technology (pultrusion). Apart from high durability, they also ensure optimal sitting comfort, which results in the child's positive perceptive process.

Wing suspension

The wing suspensions optimally fit the body contour of the child and transmit movement impulses. Each wing suspension may be shifted or removed as necessary in order to ensure individual adaptation. To remove the wing suspension, press the top and bottom forward with both hands.

Recommendations for the adjustment of the ThevoSeat

1. Place the child into the ThevoSeat unit.
2. Align the pelvic.
3. The spring elements can be adjusted to the child's individual ergonomic requirements by regulating the angle of rotation and depth of the spring elements.
4. The child's care may be optimized with additional accessories.
5. The initial adjustment should be checked after 24 hours at the latest.

Cleaning, disinfecting and care instructions

Cushions

All cushions may be removed in only a few steps. The 100% Trevira CS fabric is a top quality textile, washable at 40° C / 104° F. Please note that even high-quality fabrics may fade when exposed to permanent and intense sunlight. The cushion is made of low flammability materials (BS 5852 part 1). (fig. 20)

Velcro fastening

Occasionally, clean the Velcro ribbon with a brush in order to preserve the functionality of the Velcro fastening. Always close the Velcro ribbons at washing.

Chassis

The ThevoTherapy chassis is manufactured from high-quality steel and aluminium tubing which is coated with a robust heat-enamel finish; and can be cleaned using commercially available no-toxic soap (neutral soap).

Terms of guarantee / CE mark

Thomashilfen is certified in accordance with the ISO standard DIN EN ISO 13485:2003 and guarantees the quality of the products they supply. Both material selection and processing meet the very highest manufacturing standards. Every single part is subjected to final inspection.

Thomashilfen offers you a guarantee of 3 years for all frame parts, commencing on the date of purchase. This guarantee incorporates all claims which influence functionality. Damages due to improper use (e.g. overloading), and natural wear and tear are excluded.

ThevoTherapy meets the requirements of the European standards EN 12182 and 12183 and is provided with a CE marking.

Enjoy your ThevoTherapy therapy chair!



Member of the International
Support Association for the
Rehabilitation of Children and Youths e.V.

Item code: 95631, status: 10/2009, subject to technical alterations

CE


Thomashilfen

The logo for Thomashilfen consists of a stylized, multi-colored arc (yellow, orange, red, blue) above the word 'Thomashilfen' in a blue, sans-serif font.