

ThevoTherapy

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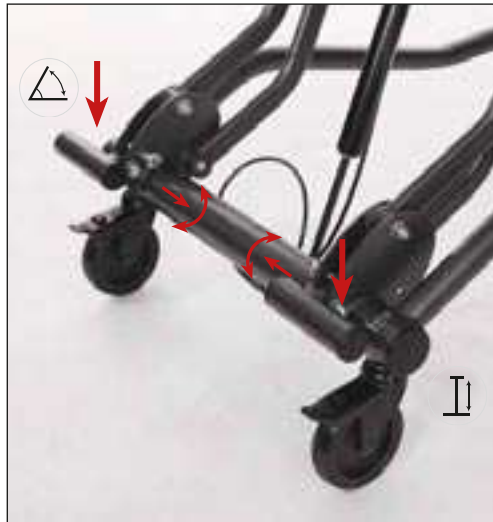
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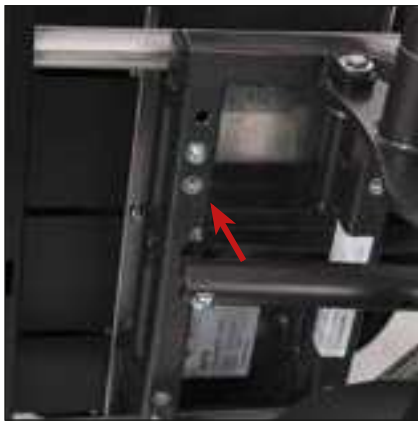
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Dear user,

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.

Should you have any further questions or issues, please contact your specialised supplier or Thomashilfen directly.

For more information about Thomashilfen and our products, please visit our website at www.thomashilfen.com

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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.

Tip: You may find additional information at our web site www.thomashilfen.com

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

ThevoSeat	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)	29.8 x 17.5 cm / 11.7 x 6.9"	33.5 x 21.5 cm / 13.2 x 8.5"
Overall dimensions (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 (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	35 kg / 77.2 lb	40 kg / 88.2 lb
Weight	8.4 kg / 18.5 lb	9.9 kg / 21.8 lb

Indoor-Frame Therapy

Seat tilt-in-space	-31° to +4°
Seat height with seat unit	26 - 66 cm / 10.2 – 26"
Total dimensions (w x h x l)	54 x 59 x 73 cm / 21.3 x 23.2 x 28.7"
Folding dimensions (w x h x l)	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"
Adapter height	20 - 59 cm / 7.9 – 23.2"
Size of swivel wheels (front)	100 mm / 3.9"
Size of swivel wheels (rear with brake)	100 mm / 3.9"
Carrying capacity	50 kg / 110.2 lb
Weight (without seat unit)	13.5 kg / 29.8 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)

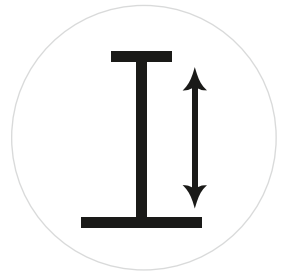
Folding

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 width

Loosen the hip seat guide screws from above using an Allen key and shift the hip guides accordingly. (fig. 16)

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. 17)

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. 17)

Back height

Loosen both knurled nuts at the back of the seat unit and adjust the desired height. (fig. 18)

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. 19)

Hip angle adjustment

Release the clamping lever at the backrest and move the backrest to the desired position. Retighten the clamping lever. (fig. 20)

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. 21)



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. 22)

Knee angle

Set the knee angle by loosening the side wing screws (on both sides). (fig. 23)

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. 6).

Push bar (available as an accessory)

The push bar facilitates indoor use. Mounting: Fix the bar to the innermost holes at the bottom of the seat adapter (base frame) with the provided screws, washers and spacers (fig. 7). Make sure that the screw fitting is tight.

CAUTION: Do not attach any items to the push bar! This increases the risk of tipping. The grip must only be used to push the base frame.

Armrest mounting (available as an accessory)

Before mounting the armrest, the lateral plates need to be dismantled. Take off the upholstery, remove the two screws on the inside and remove the plate. Now place the armrests at the outside of the flat plates and mount them with the countersunk screws coming from the inside. Finally reattach the lateral plates and the upholstery.

CAUTION: Make sure that the receivers are tightly fixed.

Height adjustment

The height is adjustable in a 5 cm / 2" range. Size 1 is adjustable from 12 to 15 cm / 4.7 to 5.9" and size 2 from 15 to 20 cm / 5.9 to 7.9". Loosen the bottom knurled screw. Pull the armrest slightly outwards so that the locking pins no longer grip into the holes of the receiver track. Adjust the desired height and plug the receiver track onto the locking pins again. Retighten the knurled screw. (fig. 10)

Angle adjustment

The armrest is adjustable in 6°-steps in a range of +/-30°. Loosen the upper knurled screw at the grid joint, adjust the desired angle and retighten the screw (fig. 11).

Lateral adjustment of the armrest upholstery

Loosen both screws underneath the upholstery, adjust the desired position and retighten the screws. (fig. 12)

Tray mounting (available as an accessory)

First, fix the tray receiver to the **right** armrest. Fix the receiver tube with the screw and washer to the metal attachment under the armrest upholstery (fig. 13).

Press the catch spring at the receiver tube of the tray and insert the tube into the receiver. Adjust the desired height with the knurled screw at the receiver (fig. 14). The angle and height adjustment is done by adjustment of the armrests.

IMPORTANT: The tray needs to bear completely on the armrests. Choose the cut-out side as close as possible to the child.

According to the chosen seat width the tray needs to be adjusted centrally. Loosen the four screws underneath the tray plate, adjust the corresponding position and retighten the screws (fig. 15).

The tray can be swung away to the side when not needed. When doing so pay attention not to hit the child with the tray. When swung away, screw the knurled screw tight to lock the tray (fig. 14).

CAUTION: The maximum load capacity of the tray is 2 kg / 4.4 lb. Never leave your child unattended in ThevoTherapy, especially when the tray is mounted.

Spring element

The movable spring elements allow and facilitate the children's individual mobility. (fig. 24)

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. 25)

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. 26)

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. (fig. 27)

To limit the spring travel, press the securing device inward until it engages into place. Press outward for loosening. (fig. 28)

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. (fig. 29)

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. (fig. 30)

Recommendations for the adjustment of the ThevoSeat

1. Place the child into the ThevoSeat unit.
2. Align the pelvis.
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. 31)

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!

Product & Accessories

Product & Accessories	Size 1	Item-Code	Size 2
ThevoTherapy	8400		8450
2-Point pelvic belt with Front-Pull	8420		8470
4-Point pelvic belt with Front-Pull	8421		8471
Armrests, pair	8431		8478
Abduction block	6620/5		6720/5
Moldable aluminium lath	6384		6584
Pelvic support	8432		8479
Foot straps	6648		6648
Belt bow	6371/2		6571/2
Impulse sensors	8422		8472
Headrest, neck support	8429		8429
Headrest, shell	8424		8424
Butterfly / chest harness, flexible	6385/2		6585/2
Side plate, high	8423		8473
Soft pelvic harness	6614/5		6714/5
Tray, fold-away	8425		8475
Lateral trunk supports, plane	8426		8476
Lateral trunk supports, flexibel with chest belt	8427		8427
Calf strap	6635/5		-
Push handle	8439		8439



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