

Operating Manual

Serial Number:





Registered at Medical Products Agency, Sweden, as a MD Class 1 product, MDD 93/42EEC.

TR reserves the right to make design changes and/or improvements without notice.



Always study this manual before operating the Shower Chair.

Operating instructions and recommended maintenance procedures are explained on the following pages.

If you have any questions regarding the operation or maintenance of your Shower Chair and cannot find the answer in this manual, please contact us.

Only qualified staff, who understand all operating and safety procedures may operate this equipment.

The Shower Chair is designed for years of trouble free operation, with proper use and maintenance.





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Introduction

Dear Customer,

Thank you for choosing one of our quality products. We hope you enjoy the TR 1000 Shower Chair.

This manual shall, in conjunction with staff training, ensure that the operator/user is always using and/or operating the TR 1000 correctly.

TR requires that each user has read and understands the entire operating manual and that they can apply the instructions as specified. This applies to anyone who was not present at the in-service.

This instruction manual should generally be kept easily accessible for every user. Copying the whole manual is encouraged since its sole purpose is to improve the standard of training and safety.

Please order another copy from us if the instruction manual is lost or unusable, or if it has become illegible over time.

If you require further information or have any questions please do not hesitate to contact TR or ask one of our qualified partners.

Please make sure you have read, understood and applied the information on the following pages.



Intended Use, Product Description and Technical Specifications

Product Model:

TR 1000 Shower Chair

The TR 1000 device is a battery operated Shower Chair.

The resident is typically a person who is unable to take care of his/her own personal hygiene. The device is not intended to be used with residents that exceed a weight of 200 kg (440 lbs).

Resident must be able to sit up without support.

The device is intended to ease transferring and caring of the resident. Typical situations where the device is used include transporting the resident to and from a shower area, showering - washing - shampooing - toileting the resident. It can also be used for pedicure.

The device is not intended to come in contact with injured skin.

The caregiver is a person who is capable of reading and understanding the operating manual and is qualified to take care of dependent residents.

Before using the devise, the user must read and understand the operating manual.

The device is intended to be used indoors in all types of care facilities and private homes in hygiene areas.

Product Description

Product	Description	Art no
TR 1000	Shower Chair with straight armrests.	0521000
TR 1000	Shower Chair with front closing armrests. (Factory mounted)	0521010
TR 1000	Footrest - Foldable and height adjustable (option)	0521015
TR 1000	Bedpan incl. lid (option)	850169
TR 1000	Wallbracket for battery pack (option)	3232622

Technical Specifications

Operating height range	1350 - 1750 mm (53" - 69")
Width	700 mm (27")
Depth	600 mm (24")
Tilt Forward	7°
Tilt Backward (recline)	25°
Work Load Limit	200 kg (440 lbs)
Chassic	Powder coated and zink plated steel and stainless steel
Castors	4 pcs twin castors Ø100 mm (4") with locking brakes
Control	Hand control for height and tilt adjustment
Seat/Back rest/Armrest	Foamed PUR (Poly urethane)
Battery	Removable and rechargeable, 24 V





Safety and Control Instructions

If you have any questions regarding the operation or maintenance of your Shower Chair and cannot find the answer in this manual, please contact us.

- Only qualified staff, who understand all operating and safety procedures may operate the equipment.
- Before operting, make sure that all transport packages and attachments are removed and that nothing can be pinched between sitting frames and surfaces.
- Test and try every function on the Shower Chair before use.
- Always physically check water temperature before and during showering.
- The resident must be positioned comfortably in the shower chair, with armrests securely downfolded, and locked safety belt.

Warning: Never leave the resident unattended.

- Make sure that all parts that come in contact with the resident are intact and without sharp edges.
- Ensure that the Chair can be moved, raised, tilted or lowered safely to avoid any pinch injuries to resident.
- Castor brakes must be securely locked on the Shower Chair before transferring a resident and while showering.
- Operate the Shower Chair carefully when transporting residents through narrow corridors or over irregular uneven surfaces.
- Wipe under the Shower Chair to prevent water dripping on the floor.

- Shower Chair must be cleaned after each use.
 Always read and follow detergent supplier instructions.
- Avoid skin or eye contact with detergent, which can be highly corrosive. If contact is made, rinse immediately with excess water. If irritation occurs, consult a medical doctor. Always read and follow detergent supplier instructions.
- The TR battery charger is the only one approved for charging the Shower Chair battery packs.
- Do not use battery charger in wet or damp areas potential shock hazard.
- It is recommended that the Shower Chair battery pack(s) are charged daily or whenever not in use.
 Batteries can not be overcharged.
- Check that castor brakes are clean and free from damages.
- Check that all screws are tightened, and free from damages.
- Shower Chair must be inspected visually for sign of wear.
 Chair should not be used if defects are noted. Prompt service is required.

Warning: Do not use the Shower Chair in any way that varies from the safety precautions and operating procedures detailed in this manual.

The equipment must not be operated by anyone until the user has fully read and understands the instructions in this manual.





Unpacking - Installation

Unpacking

Be careful if you are using a knife or sharp tools when unpacking. This can cause damage to surfaces and the color coating.

- Check that there are not transport damages. Any damages must be solved before using the Shower Chair.
- Report any transport damages to the transporters and to TR Equipment.
- · Check that everything ordered is included in the delivery.

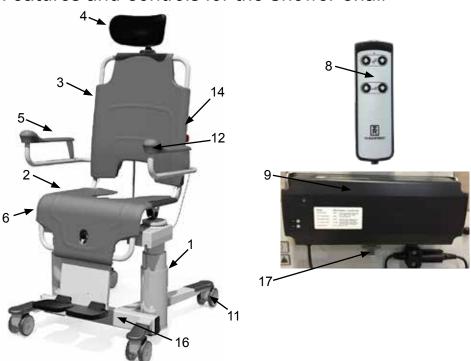
Installation

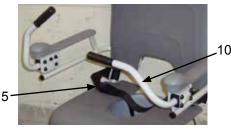
Charge the battery pack for at least 24 hours before first usage.





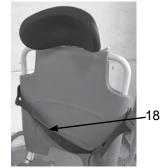
Features and Controls for the Shower Chair











Position	Description	
1	Raising columns TL2. Serial no: 1610-23754 and backwards	
1	Raising columns TL8. Serial no: 1611-23810 and onwards *	
2	Chair seat	
3	Chair backrest	
4	Chair headrest	
5	Foldable armrest(s)	
6	Legrest	
7	Bedpan incl. lid (option)	
8	Hand control, up/down and tilt	
9	Battery pack TBB. Serial no: 1511-23192 and backwards	
9	Battery pack TBB6. Serial no: 1511-23193 and onwards **	
10	Front closing armrest (factory mounted options)	
11	Twin castor(s) with brakes	
12	Handgrip	
13	Footrest, foldable and height adjustable (option)	
14	Emergency stop button	
15	Safety belt	
16	Chassis base	
17	Snap off/on battery pack buckle	
18	Chest belt (option)	

- Contact TR Equipment for information about possible need for replacement kit when replacing TL2 column with TL8.
- ** When replacing a TBB battery pack with a TBB6 battery pack, use replacement kit, art no: 200110 and also replace TBC charger with TP7 charger.

TP7 charger fits both TBB and TBB6 battery packs. TBC fits only with TBB battery pack.

Head office

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Features and Controls for the Shower Chair

Initialization/Calibration of the columns and tilt actuator on TR 1000 from October 1, 2014.

For functions on columns and the tilt actuator to work correctly an initialization should be carried out the very first time the shower chair is started-up.

To begin the initialization, first check that the emergency stop is not activated. Then follow the below steps:

- 1. Use the hand control and press both the UP and DOWN button simultaneously. (Keep pressing both buttons through the complete initialization/calibration.)
- 2. After approximately 8 seconds the chair will automatically start to lower the columns and tilt the chair backwards.
- 3. Continue to hold the buttons until the chair goes all the way down and tilts all the way back.
- 4. Once the chair has reached the bottom position and is fully reclined, the chair is calibrated.







Features and Controls for the Shower Chair

Initialization of the columns and tilt actuator on TR 1000 before October 1, 2014.

For functions on columns and the tilt actuator to work correctly an initialization should be carried out the very first time the shower chair is started-up.

To begin the initialization, first check that the emergency stop is not activated. Then follow the below steps:

- 1. First use the hand control and press the DOWN button to lower the 2 pcs. of columns to their bottom position.
- When both columns are completely in their bottom position, a faint "click" sound will be heard from the control box.
- 3. Release the DOWN button for a few seconds.
- 4. Then once again press the DOWN button and hold the button for three seconds.
- 5. Use the hand control and tilt the chair backwards/actuator to its rearmost position by pressing the TILT BACK button.
- 6. Visually check that the chair is tilted all the way backwards and that the tilt actuator is completely retracted.
- 7. When the tilt actuator is completely retracted and the chair has reached its rearmost position, then a faint "click" sound will be heard from the control box.
- 8. Release the TILT BACK button for a few seconds.
- 9. Then press the TILT BACK button again and hold the button for three seconds.
- 10.The initialization is now complete and you can start using the shower chair.

Button for columns down:



Button for tilt actuator backwards:





Features and Controls for the Shower Chair

Height Control for TR 1000 Shower Chair

Always secure the resident with the safety belt, at all times.

Raise and lower the Shower Chair with the hand control (8)

- Raise the Shower Chair by activating the hand control.
 Press the up arrow symbol on hand control to desired height.
- Lower the Shower Chair by activating the hand control.
 Press the down arrow symbol on handcontrol to its lowest position.

Recline/Tilting the Chair

Press the tilt arrow symbol on the hand control until required reclined position (max 25 degrees) is achieved. When re-tilting press the opposite arrow symbol.

The tilt will stop in neutral position.

The chair can be tilted a few degrees forward to ease transfer, this using the same symbol.

Note: The forward tilt should always and only be performed when the chair is in its lowest position.

Load limit: 200 kg/440 lb

The Shower Chair is equipped with a red emergency button which can be activated if an unexpected incident should occur. Push to activate and twist clockwise to reset.



Easy to understand handcontrol for height adjustment and tilt from any position around the chair





Features and Controls for the Shower Chair

Battery usage recommendations for TR 1000, (TBB6)

1 pcs TBB6 battery at 5,0 Ah replaced the earlier 2 pcs. TBB batteries at 2,0 Ah/each on TR 1000 from November 1, 2015. Serial no: 1511-23193 and onwards.

- If the shower chair is used on a daily basis, it is recommended to charge the battery for at least 8 hours to achieve optimum battery life.
- If the shower chair is used intermittently on a weekly basis, then the battery pack must be charged at least once per week for a minimum of 8 hours to achieve optimum battery life. Ideally if a battery is not in use, it should be plugged into the charger. The battery pack cannot be over charged.
- If the shower chair is not used for more than a week, then
 unplug the battery from the shower chair and charge the
 TBB6 for 24 hours and then repeat once every month.
 Batteries in storage not being charged every month will
 eventually lose their ability to hold a charge.
- The battery must be charged continuously for at least 24 hrs + for any of the following situations:
 - (1) Before first usage
 - (2) Before long term storage (long period = 30 days disconnected from AC power).
 - (3) After long term storage (long period = 30 days disconnected from AC power).
- ** When replacing a TBB battery pack with a TBB6 battery pack use replacement kit, art no: 200110 and also replace TBC charger with TP7 charger. TP7 fits both TBB and TBB6. TBC fits only TBB.

- Remember: The battery pack cannot be overcharged. If in doubt, leave the battery plugged into the charger.
- On battery TBB6 there are ON/OFF buttons placed on the front. The ON/OFF buttons on the TBB6 battery are used to turn off the battery before long term storage of the shower chair or if you want to stop the power consumption between the battery and control box while the battery TBB6 is still connected to the shower chair.
- To turn off the TBB6 battery you press the OFF button for about 3 seconds.
- The TBB6 starts up again only when you either:
 - Press the ON button on TBB6.
 - Connect the TBB6 to the battery charger.
- If you disconnect the battery from the shower chair the battery TBB6 shuts off automatically after a short while and this results in the same function as pressing the OFF button for about 3 seconds.





Features and Controls for the Shower Chair

Battery usage recommendations for TR 1000, (TBB)

Valid for TR 1000 delivered than November 1, 2015. Serial no: 1511-23192 and backwards.

- If the shower chair is used on a daily basis, it is recommended to rotate the battery packs daily and allow the off-duty battery pack to be charged for at least 8 hours to achieve optimum battery life.
- If the shower chair is used intermittently on a weekly basis, then all the battery packs should be charged at least once per week for a minimum of 8 hours to achieve optimum battery life. Ideally if a battery is not in use, it should be plugged into the charger. Battery packs cannot be over charged.
- If the shower chair is not used for more than a week, then
 unplug the batteries from the shower chair and charge
 each TBB for 24 hours and then repeat once every month.
 Batteries in storage not being charged every month will
 eventually lose their ability to hold a charge.

** When replacing a TBB battery pack with a TBB6 battery pack use replacement kit, art no: 200110 and also replace TBC charger with TP7 charger. TP7 fits both TBB and TBB6. TBC fits only TBB.

- The batteries must be charged continuously for at least 24 hrs + for any of the following situations:
 - (1) Before first usage
 - (2) Before long term storage (long period disconnected from AC power).
 - (3) After long term storage (long period disconnected from AC power).
- Remember: The battery pack cannot be overcharged. If in doubt, leave the battery plugged into the charger and rotate back & forth between the two batteries.





Features and Controls for the Shower Chair

Charging instructions and battery status for TR 1000.

Note, the charger is intended to be used in dry areas and is not allowed to be installed in bathrooms etc. It is recommended to check battery status every morning before daily use (see LED indication - color & mode) Battery pack cable contact should always be unplugged before battery pack is removed from its chair bracket.

Status	LED indication - color & mode	
Charging State	Green	Continuously short flashing - On (1 sec)/Off (1 sec)
Fully Charged State	Green	Continuously On
High Capacity State	Green	Continuously long flashing - On (0,5 sec)/Off (4 sec)
Low Capacity State	Orange	Continuously long flashing - On (0,5 sec)/Off (4 sec)
Under protection	LED is continuously off	

Approx. 8 hours charging time from flat to fully charged. Battery pack can not be overcharged.

Additional battery pack should be stored and charged in a dry area and easy to locate.



Removable battery pack is easy to change making the TR 1000 simple to charge and always ready for use.

The optional wall battery pack bracket (art.no 3232622) should be mounted on a suitable wall in a convenient reachable height and the charger (art.no 0521220) cabling plugged into the wall outlet.



Battery pack wallbracket

Charger with plug

Art no. 0521197 = EU (except UK)

Art no. 0521198 = US - Japan

Art no. 0521199 = UK

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Features and Controls for the Shower Chair

Armrests

The armrests are easily raised to an upraised position when transferring the resident onto and from chair. Pull the armrest(s) straight up to a vertical position. When your TR 1000 is equipped with front closing armrests (factory mounted option) raise them first to their vertical position before raising the straight armrest(s).

To lower and secure the straight and front armrest(s) do it in a reverse way as stated above. (lower and fold)



Foldable armrests feature grip knobs for resident's comfort and safety.



The foldable armrest accessory option (factory mounted option) features front closing for increased sense of security for

Castor brakes

Lock all 4 toe-operated castor brakes before transferring a resident onto and from chair - at all times.

To release, hit the locked part on each castor.

Raised chair / Recline chair

Raise the chair, with the handcontrol to a convenient transport height for both resident and caregiver when transporting to the shower area and while showering. Recline/Tilt the chair to a convenient position for both resident and caregiver, with the handcontrol, when required (The castor brakes should be locked).







Resident Handling-procedures for the Shower Chair

Resident transfer from Wheelchair onto Shower Chair (Example)

- Lower the Shower Chair to its lowest position, with the handcontrol.
- Lock the Shower Chair castors.
- Tilt the Chair forward with the handcontrol. (See photo)
- Raise one of the foldable armrest's fully (wheelchair approach side).
- Position the wheelchair close to the Shower Chair seat side and do the resident transfer laterally onto the Shower Chair seat. The resident can grasp onto the unfolded armrest and caregiver supports resident under arms to ease transfer.
- Secure the resident with the safety belts and lower the raised armrest.
- Remove the wheelchair, tilt and raise the Shower Chair to a convenient transfer height for both resident and caregiver. Unlock the castors and transport resident to shower area. Proceed showering - shampooing etc.
- To return resident to the wheelchair simply reverse above procedures.

Warning: Never leave resident unattended.

Other transfer aids, onto and from the Shower Chair, can be used depending on resident abilities and preferred equipment within facilities and according to facility routines and policies.

Note: Always lock Shower Chair castors, at all times, when performing transfers onto and from the Shower Chair.



The forward tilt adjustment mechanism allows easier transfers from wheelchairs and standing aids and creates security for both resident and caregiver.



Secure the resident with the safety belts and lower the raised armrest according to the picture.



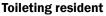


Resident Handling-procedures for the Shower Chair

Showering resident

Safety belt must be securely fastened around the resident at all times.

- Lock the castor brakes.
- Raise the chair to a convenient height for both resident and caregiver with the handcontrol.
- Tilt/recline the chair to a convenient angle for both resident and caregiver with the handcontrol.
- Shower and wash the resident in this position.
- When the shower procedures are complete dry the resident with a towel. Retilt and lower the resident to convenient transport height and transfer resident to suitable location/equipment.
- Clean and wipe the Shower Chair immediately after each use according to your detergent supplier's recommendations.



The TR 1000 Shower Chair can be used over both floor and wall mounted toilets.

- Place the Shower Chair with resident close over the toilet.
- Raise the Shower Chair to a convenient height for both resident and caregiver and lock the castors.

The resident can also perform the toileting using the Shower Chair bedpan (option) which should be attached to the chair before resident transfers onto the chair to avoid pinching.

Cleaning - Shower Chair

- Remove safety belts and bedpan (option) and clean these separately. Safety belt may be machine washed and dried.
- Spray cleaning liquid/detergent over the product (see specification below). Take necessary safety measures according to cleaning liquid/detergent supplier's instruction manual for example safety glasses/gloves.
- Use a clean disposable sponge or cloth and wash all parts of the product. Remember to clean all accessible surfaces including the underside.
- Allow an appropriate contact time for sanitation according to the instructions of the cleaning liquid/detergent or local regulations.
- Rinse thoroughly with clean water. Dry each part of the product with a clean and dry disposable cloth or sponge.



Wide height adjustment range with smooth and gentle movement to give residents and caregivers a safe and comfortable showering and shampooing experience.



Recline position for the residents comfort and relaxation and allowing easy access for caregiver.



The bedpan accessory option can be fitted to the chair to ease toileting.

Note: The user/operator is responsible selecting the correct cleaning liquid/detergent and additives according to local regulations and safety standards. Please read the cleaning liquid/detergent supplier´s instruction manual and find out whether the product is suitable for use with this product.

Specific guidelines for cleaning liquid/detergent:

- · No solvent based cleaning liquids
- Nonabrasive type of detergent
- Less than 5 Wt% chloride content
- Less than 3 Wt% alcohol content

Note: If the lifting columns are exposed to feces or other tough dirt during operation, immediately clean the columns before raising or lowering the shower chair.

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Routine Maintenance

The recommended frequency of these maintenance routine procedures will depend on how often the equipment is used.

It is good practice to establish these procedures and then adjust the frequency as your conditions indicate. TR Equipment recommends a schedule is kept on file with signatures of the individual(s) conducting the inspections should questions arise at a later date.

The Shower Chair should immediately be taken out of operation if defects or irregularities are noted. Prompt service is required.

Daily Routine Maintenance

- Clean the Shower Chair after each use according to specified routines in this maual.
- It is recommended that the battery packs are charged daily or whenever Chair is not in use.
 Batteries can not be overcharged.

Note: If the lifting columns are exposed to faeces or other tough dirt during operation, immediately clean the columns before raising and lowering the shower chair.

Weekly Maintenance

Visually inspect the Shower Chair interior to make sure there are no nicks or cracks which may scratch the resident.

Monthly Maintenance

- Check that all screws and fastenings are tight.
 It's important that all screws and fastenings are checked and tightened if needed including those not easily visible. Inspection of all fasteners and screws are also expected during the Monthly maintenance.
- Armrests should be inspected to ensure they are in good condition and that all fasteners are in place and functioning properly.
- Castors should be inspected to ensure they are clean and that the locks and brakes are fully functioning.
- Tilting mechanism should be examined to ensure that it is functioning properly.
- Check the raising and tilting system to ensure its smooth operation throughout entire lift and tilt range.

Annual Maintenance

It is recommended to consult an authorized service/maintenance technician to perform a full inspection of the Shower Chair annually.

- Thorough inspection of all the above maintenance instructions and assessment of general condition and functionality of the shower chair should be performed.
- The shower chair should be immediately taken out of operation if defects or irregularities are noted. Prompt service is required.



Battery Pack

Deposit in accordance to local regulations.



Labels on the TR 1000

1.	200 kg 440 lbs	Maximum working load. 200 kg/440 lbs.
2.	[i]	Mandatory to read the operating manual before use.
3.	Status LED indication - soler & mode Compart time Full Cheen time Into Control time Controlled what flashop On 11 seq 1 Of 11 seq 1 Controlled to 12 seq 1 of 12 seq 1 Controlled to 12 seq 1 of 15 seq 1 of 15 seq 1 Controlled to 12 seq 1 of 15 seq 1 of 15 seq 1 Controlled to 12 seq 1 of 15 seq 1 of 15 seq 1 Controlled to 12 seq 1 of 15 seq 1 of 15 seq 1 Controlled to 12 seq 1 of 15 seq 1 of 15 seq 1 Controlled to 12 seq 1 of 15 seq 1 of 15 seq 1 Controlled to 12 seq 1 of 15 seq 1 of 15 seq 1 Controlled to 15 seq 1 of 15 seq 1 of 15 seq 1 Controlled to 15 seq 1 of 15 seq 1 of 15 seq 1 Controlled to 15 seq 1 of 1 seq 1 Controlled to 15 seq 1 of	Battery pack label
4.	R	TR Equipment AB Logotype.
5.	MADE IN INVEDEN YYYY - MM I'll Superior Mr. Resingance 2: 50:73 IS Varior Security of the Control of the Contr	The identification label states the product's model- and part number, serial number, date of manufacture, the manufacturing country and the name and address of the manufacturer. REF = Model- and part number CE = CE marking in accordance with the Medical Devices Directive 93/42/EEC as a Medical Device Class 1. SN = Serial number





Maintenance record

Date	Description	Signed by

Training record

Date	Description	Signed by

