

Bischoff & Bischoff

Instruction manual

TS-Aqua (Var. 1 + 2)



Bischoff & Bischoff GmbH

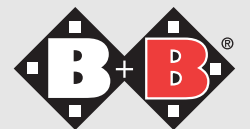
Becker-Goering-Strasse 13 • D-76307 Karlsbad

Tel.: +49 72 48/92 09-2 • Fax: +49 72 48/92 09-3

www.bischoff-bischoff.com

international@bischoff-bischoff.com

Enjoy mobility.



Preface

Dear user,

with the purchase of your Bischoff & Bischoff shower commode wheelchair of the TS-Aqua Series you are now the owner of a top-quality German product that sets new standards with its range of adjustments.

This instruction manual will familiarise you with the operation and use of your B+B shower commode wheelchair.

Please read the instruction manual carefully before using the wheelchair for the first time.

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1. Important safety instructions

Practise using your new wheelchair on a small, flat area first to prevent falls and hazardous situations. We recommend having an assistant with you at this time.

- Before use check that all attached components are correctly fastened.
- Lift the wheelchair only by the handles designed for lifting on the frame.
- Make sure that the screw axes and the pin axes are correctly inserted into the openings to prevent injuries.
- Please note that changes in the balance of the wheelchair (e.g. when moving over obstacles that are to the side of or behind the wheelchair) increase the risk of tipping over. The critical obstacle height is 20 mm.
- Steps must be negotiated only with the assistance of two assistants. If available, use access ramps, lifts or stair-climbing devices.
- The wheelchair may tip on inclines of 16% (10°) or greater. • Do not travel into an obstacle (step) without braking or jump down from steps.
- The brake must always be set when the user enters or leaves the wheelchair.
- Make sure that the tyres have sufficient tread (>1 mm).

- The tyre brake is designed for use as a parking brake only. It must not be used for braking while moving.
- When transferring between wheelchair and bed:
 - » set both parking brakes
 - » remove the side section
 - » lift the foot plates (when leaving or entering).

2. Indications:

Walking disability or serious difficulty in walking as a result of:

- paralysis
- loss of limb
- defect or deformity in limbs
- joint contractures or joint injury
- other conditions

Shower commode wheelchairs are recommended if the patient cannot access standard commodes, showers or bathtubs without a wheelchair and the available space is free from barriers.

3. Purpose:

The shower commode wheelchair is designed exclusively to improve mobility or to transport handicapped persons for whom its use is indicated based on one of the above indications. It is designed for indoor use to compensate for mobility restrictions of the affected person to allow cleaning of the body and toilet use. The wheelchair user can use the model with two large drive wheels without assistance and/or the model with four small steering wheels with the aid of an assistant. The maximum user weight of 120 kg must not be exceeded.

Please note:

A warranty claim can only be accepted if the product is used under the specified conditions and for the specified purposes.

4. Declaration of Conformity

B+B as the manufacturer of the product declares that the TS-Aqua Variant 1 shower commode wheelchair fully complies with the requirements of Directive 93/42/EEC.

5. Delivery and checking the contents of the package

All B+B products are inspected before they leave our factory and the CE mark is applied.

The B+B shower commode wheelchairs are delivered in a special carton with a tool set. The wheelchair is delivered and instruction in its use is given by a qualified dealer in medical products. If the wheelchair is delivered by rail or road transport it must be inspected for shipping damage in the presence of the delivery person.

If any damage is found, please note the following:

- record the facts
- prepare a declaration of assignment; all claims resulting from the damage are assigned to the delivery company
- return the record of facts, waybill and declaration of assignment to Bischoff & Bischoff GmbH.

In the event of shipping damage...

1. Leave the goods and packaging undisturbed and do not use the goods.
2. Report the damage to the transport company in writing as instructed below.
3. Contact our customer service +49 7248/9209-2
4. A representative of the transport company must be informed of any damage without delay in order to make a claim for compensation charged.

Externally obvious damage or losses must be confirmed in writing on waybill by the delivery person before accepting the package.

Concealed damage that it not obvious until the package is opened must be reported immediately in writing to the transport company.

All deadlines must be met:

- courier service and post within 24 hours
- rail delivery within 7 days
- road transport within 4 days after receipt of the package.

Bischoff & Bischoff GmbH will require the original waybills with confirmation of damage. Compensation from the insurer is not possible without these document.



Please pay particular attention to the highlighted sections.



Fig. 1a: TS-Aqua Variant 1

- Sliding handle
- Back rest
- Arm rests (folding)
- Seat cushion
- Commode with cover
- Calf belt (slip prevention)
- 5" brake wheels with direction lock
- Foot support (folding)



Fig. 1b: TS-Aqua Variant 2

- Parking brake
- 24" driving wheels with quick-release axle



Fig. 2

6. Overview

The instructions for use of your B+B shower commode wheelchair include detailed illustrations to make it as easy as possible for you to familiarise yourself with its use and handling.

See the following illustrations for the names and interaction of the various modules (see Fig. 1a and 1b).



Fig. 3

7. Assembly and adjustments

Your B+B shower commode wheelchair is delivered ready assembled in a B+B original carton. Attached parts are supplied separately to prevent damage during transport.

7.1. The seat back

The seat back can be completely removed.

- Unscrew the two star screws on the back of the shower commode wheelchair anticlockwise.
- Now you can remove the seat back from the tracks on each side and replace it in the tracks to reinstall it.

7.2. The seat

Installing and removing the seat

- The seat of your shower commode wheelchair can be removed and replaced.
- The seat is fixed to the frame of the shower commode wheelchair by four curved clamps.
- To remove the seat, hold the front and back of the shower commode wheelchair and pull the seat with a light jerk. Replace the seat by placing it on the frame and press down on the front and back.

7.3. The arm rests

The arm rests of the TS-Aqua can be folded up.



Attention!

Do not lift the TS-Aqua by the arm rests.



Fig. 4



Fig. 5



Fig. 6

7.4. The foot plate

Folding foot plate

The foot plate can be folded out of the way simply by lifting it. This can be useful for storage of the TS-Aqua in limited space.

Height adjustment of the foot plate

The height of the foot plate can be adjusted in one of five positions and thus individually adjusted to the user's lower leg length.

- Unscrew the cap nuts anticlockwise on both sides.
- Pull out the bolts on both sides.
- Adjust the foot plate in the guides to the required hole position.
- The height of the foot plate is suitable when the user's thigh is fully in contact with the seat with the feet flat on the foot plate.
- Insert the bolts into the hole.
- Then screw the cap nuts clockwise to tighten them.

Calf belt

The calf belt prevents the user's feet from slipping. It prevents them from slipping back. Make sure that it is always sufficiently tight and it is in contact with the leg below the calf. To adjust the belt, open the Velcro fasteners, tighten the belt and close the Velcro fastener again.



Fig. 7



Fig. 8

7.5. Wheels, tyres and brakes

Wheels and tyres

The TS-Aqua shower commode wheelchair has 5" wheels, two of which have brakes (Variant 1), and also the 24" drive wheels (Variant 2) fitted with PU tyres.

The tyres must be replaced by your authorised dealer when they are worn (tread worn down, tread depth less than 1 mm) or faulty.

Brake wheels with direction lock (Variant 1)

Variant 1 of the TS-Aqua is fitted with two brakes on the rear steering wheels. Press the pedals down to set the foot brakes. Press the part of the pedal closest to the wheel to release the brakes.

24" driving wheels with quick-release axle (Variant 2)

The 24" wheels on your shower commode wheelchair are fitted with quick-release axles, which make transport of the wheelchair much easier. The drive wheels with the quick-release axles can be removed without tools.



Fig. 9



Fig. 10

Installing and removing the drive wheels

- Press on the locking button of the quick-release axle with a finger and remove the wheel.
- Press the locking button of the quick-release axle again to replace the wheel.
- When installing the wheel make sure that the quick-release axle is correctly locked.

After installing the wheel make sure that it is secure by pulling it towards you without pressing the locking button of the quick-release axle.



Fig. 11a

Setting the parking brake (toggle brake)

- To set the brake just press the brake lever forward until it locks (Fig. 11a)
- To release the parking brake, just pull the brake lever back (Fig. 11b)

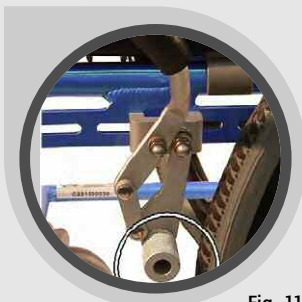


Fig. 11b

Adjusting the parking brake (Fig. 12)

The brake can be adjusted by moving the parking brake on the frame of the shower commode wheelchair. The compact brakes operate on only one drive wheel each. If you find that the braking is inadequate or uneven, proceed as follows:

- Check the tyre tread depth. Check also that the friction is even. If the tread depth in the centre of the tyre tread is < 1 mm, the tyre must be replaced by the dealer.
- Unscrew the two cap nuts to adjust the brake.
- Slide the brake on the frame guide onto the distance between the surface of the wheel and the brake pin is 16 mm.
- After the adjustment tighten the two screws again.
- Test the operation of the brake.



Adjustments of the braking system should be made by the authorised dealer only.



Fig. 12

8. Operation

8.1 Entering and leaving

The TS-Aqua is easy to enter and leave. The foot plate and the two arm rests can be folded out of the way.

Entering and leaving from the side:

- Move the shower commode wheelchair as close as possible to the seat on which you are sitting.
- Make sure that the seat is in a secure and stable position.
- Lock the shower commode wheelchair by setting the parking brakes.
- Fold the arm rest on your side of the wheelchair up out of the way.
- Then fold the foot plate up.
- Now slide sideways onto the seat of the TS-Aqua.
- Make sure that you are sitting as far back in the seat as possible.
- Now the arm rest and the foot plate can be returned to their normal position.

Entering and leaving from the front:

- Move the shower commode wheelchair as close as possible to the front of the seat.
- Lock the shower commode wheelchair by setting the parking brake.
- Fold the foot plate up.
- Make sure that the seat is in a secure and stable position.

- Now slide onto the seat of the TS-Aqua by turning your body around. Make sure that you are sitting as far back in the seat as possible. Now fold the foot plate down and place your feet on it.

8.2. Moving

Variant 1 of the shower commode wheelchair is moved around by an assistant.

The assistant can move, steer and brake the shower commode wheelchair with the handles.

Variant 2 of the shower commode wheelchair can also be moved with an assistant and in addition the user can move it independently with the drive wheels. Practise moving it carefully to start with until you are used to moving around with the shower commode wheelchair.

Shower wheel chairs have only limited stability against tipping and slipping. Special care is required with braking, starting or turning on inclines or slopes. Leaning out of the shower commode wheelchair too far will also increase the danger of tipping.



Fig. 13

8.3. Using the commode

Using the commode

Remove the commode container from the shower commode wheelchair by pulling it out of the guides from the back.

Add "Removing commode container" illustration.

Usage on the toilet

The shower commode wheelchair can be used on the toilet without the commode container. First remove the commode container as described above. Now the TS-Aqua can be moved over any standard toilet.

9. Transport

To transport the wheelchair as easily possible all removable parts (drive wheels and seat back) must be removed and the foot plate must be folded up.

10. Storage and shipping

If the wheelchair is to be stored or shipped, all removable and unfastened parts must be removed and packed separately in boxes. The separately packed parts can then be packed into one larger box. We recommend keeping the original packaging so it is available for this purpose if required. It provides optimum protection for your wheelchair from environmental influences during storage or transport.

11. Repairs

Repairs and maintenance must be done by authorised dealers only (medical suppliers or specialist dealers). To find a dealer in your area please contact our customer service department at +49 7248 / 9209-2.

12. Care, hygiene and maintenance instructions

Like all technical products devices for transporting handicapped persons and movable walking aids should be inspected and serviced regularly by authorised technicians. The primary purpose of the checks is to ensure the safety of the user. In addition, regular care of the product will ensure that it remains in good operational condition even after extended use.

The following section includes instructions for care, a hygiene plan and a service schedule. We hope that this will give you a good overview of the most important care, hygiene and maintenance work required for your B+B product.

Clean the material of the seats and seat backs with warm water and a sponge and/or a soft brush. A standard cleaning agent can also be used for stubborn dirt.

Note: never use aggressive cleaning agents such as solvents, scouring agent or hard brushes.

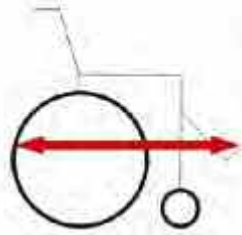
Plastic parts are best cleaned with a standard plastic cleaner. Please pay particular attention to the product information of the cleaning agent.

The high-quality surface coating provides optimum protection against corrosion. If the paint is damaged by scratches or otherwise, the area can be touched up with a paint brush. Chrome parts are first wiped dry. Dull sections and very adhesive dirt are best removed with the appropriate standard cleaning agents.

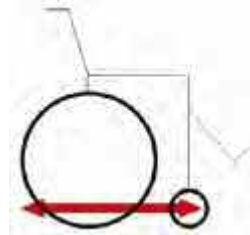
13. Disposal

A worn-out wheelchair is a valuable source of material that can be recycled. If your wheelchair is worn out, do not dispose of it in the household rubbish but dispose of through a government-approved disposal organisation. Your local government will be able give you appropriate information. This will benefit the environment.

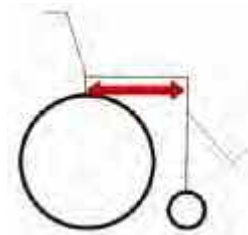
15. Technical data:



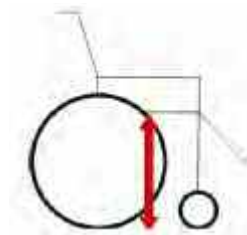
Overall length with foot supports
Variant I: 90 - 93 cm
Variant II: 98 - 101 cm



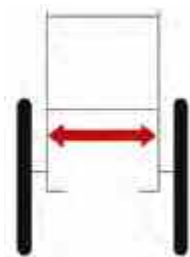
Overall length without foot supports
Variant I: 79 cm
Variant II: 87 cm



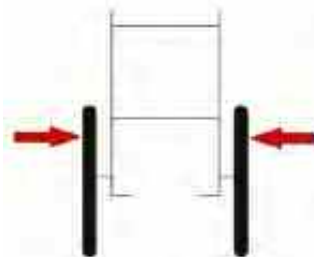
Seat depth
39 cm



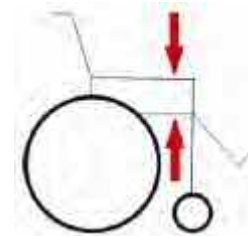
Seat height
52 cm



Seat width
Variant I: 43 cm
Variant II: 43 cm



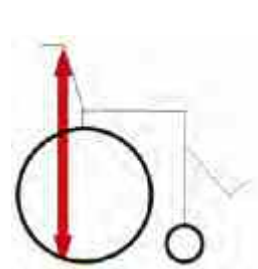
Overall width
Variant I: 55 cm
Variant II: 61,5 cm



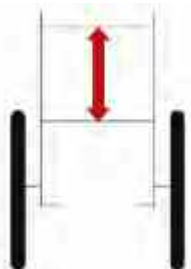
Arm rest height
20 cm



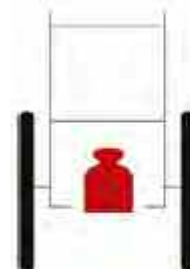
Length of foot supports
37 - 47 cm



Overall height
95 cm



Seat back height



Unloaded weight
Variant I: 12 kg
Variant II: 17 kg



Max. user weight
120 kg

Hygiene plan and risk assessment of B+B medical devices before preparation

In accordance with: Second Law for Amendment of the Medical Device Act (2nd MPG-ÄndG) of 13 December 2001.

Here: Article 11 §4 Part 2, Amendment of the Medical Devices Marketing Regulations

29.04.2005

1. Product

Shower commode wheelchair TS-Aqua

2. Risk level

Uncritical Medical products

Medical product that comes in touch with intact skin

3. Hygiene frequency

At the latest after the user of the product has changed

4. Kind of procedure

Disinfection

Disinfection by wiping the wheelchair with usual disinfectants. (Meliseptol etc.)

5. Preliminary treatment of the product

Not necessary

6. Disinfection

1. Before preparation of the product put on protective gloves
2. Spray disinfectants on the places which have to be cleaned.
3. Wipe dry with paper tissues.
4. Throw away protective gloves and used tissues.

7. Special markings

Not necessary

8. Sterilisation

Not necessary

9. Critical procedures, special requirement

* change of seat and back cover are recommended

Maintenance schedule

When	What	Pay attention to
Before every use	<p>Function test of brake system Actuate brake to the limit stop. The braked wheels must not rotate under normal use.</p>	<p>he check must be run by the user or an assistant.</p>
	<p>Check of wear of pressure brake Move brake lever sideways.</p>	<p>If a brake is faulty it must be repaired by an authorised dealer.</p>
	<p>Check of wear of pressure brake Standard front tyres: 200-250 k Pa(2-2,5 bar) Standard back tyres: 300-400 k Pa (3-4 bar) Smooth running tyres 600-750 k Pa (6-7,5 bar)</p>	<p>The check must be run by the user or an assistant. If there is too much play in the brake lever, the brake must b repaired by an authorised dealer. The inspection must be done by the user.</p>
	<p>Checking the tyre tread</p>	<p>If the tyre tread is worn down or the tyre is damage, it must be repaired by an authorised dealer.</p>
Every 4 weeks (depending on the frequency of use)	<p>Oil all moving parts</p> <ul style="list-style-type: none"> • All pivots on the crossbar • Moving parts on the side section • Brake lever bearings • Leg support bearings 	<p>The check must be run by the user or an assistant. Clean off old oil before oiling parts. Remove excess oil.</p>
	<p>Check that screws are tightly fastened</p>	<p>The check must be run by the user or an assistant.</p>

Maintenance schedule

When

Every 6 months (depending on the frequency of use)

What

Inspections

- Cleanliness
- General status

Pay attention to

Follow the directions for care and hygiene. If any faults are found please have repairs made by authorised dealers only, because only authorised dealers are trained to carry out the required work and they generally have sufficient trained technicians.

15. Warranty certificate

Warranty claims can be made for all defects of the wheelchair that can be confirmed as due to material or manufacturing faults.

If you make a claim under the warranty, please submit the completed warranty certificate.

Our TS-Aqua shower commode wheelchair is supplied with a warranty of five years for the frame. All other components are guaranteed for one year.

Caution!

Warranty claims and product liability claims will not be accepted if the instruction manual is not followed and incorrectly carried out maintenance work and also technical modifications and additions (attachments) are made without approval by Bischoff & Bischoff.

B+B customer service is available to answer questions at + 49 7248 / 9209-2.

Warranty certificate

(Please note our general business terms and conditions)

Model: B+B TS-Aqua

Serial number:*

(to be entered by dealer)

Dealer:

Date and stamp

*See the side frame for information stickers