Agile II

Mobile Patient Lift

Instruction Manual

Important information

Read this instruction manual carefully before using the lift for the first time.

This instruction manual is intended for technicians, fitters, care staff, physiotherapists and occupational therapists and for reference when servicing the Burmeier patient lift.

BURMEIER

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Contents

1. PURPOSE AND USE

1.1 Purpose

The Agile II is a mobile patient lift that is used in institutions such as care homes, hospitals, rehabilitation centres, private households etc. It is used for lifting and transferring mobility impaired persons, while relieving the burden on care staff to the greatest possible extent and providing the highest level of comfort. Transfer usually takes place from a bed to a chair or wheelchair, from a chair to the toilet, from a wheelchair to a recliner, from a chair to a bed etc. The lift is approved for transferring a maximum load of 150 kilograms and may not be used for any other purpose!

The following conditions must be met in order to use the Agile II patient lift:

- The staff must have been briefed on how to use the lift.
- The lift must be correctly installed in accordance with the installation instructions.
- The lift may be used only for the purposes described in this instruction manual.
- Persons being moved with the aid of the lift must not become trapped or squeezed during the transfer operation.
- The Burmeier sling catalogue provides specific information on the models that can be used.
- The lift should be used or stored indoors at normal room temperature (between +2°C and +40°C) and at normal humidity (between 40 and 90 %).

1.2 Safety instructions

Important – Warning!

This manual must be read through carefully before the lift is put into use.

- All of the components must be assembled correctly, in accordance with the instructions in this manual.
- No signs of wear on the Agile II or the sling may be present.
- NEVER start transferring someone if there is any suspicion of a defect (unusual noises, loose fittings or similar). In such situations, take the lift out of service immediately and inform Burmeier.
- The Agile II has a lifting capacity of 150 kg. NEVER exceed this limit. If the lift is being used in combination with other components, such as slings, then it is always the component with the lowest weight limit that determines the maximum weight that may be transferred.
- Ensure that neither the helpers/carers nor the person being assisted can come to harm during the transfer operation.
- Never lift a person any higher than is necessary during transfer.

More information can be found under section 4.1 (Annual inspections).

1.3 Daily inspection

The helper/carer is responsible for carrying out the daily visual inspection BEFORE the patient lift and accessories are used. In addition:

1) Check whether the lift is complete and that no components are missing.
2) Check the lift for signs of rust or other defects. If such signs are detected, DO NOT continue to use the lift.
3) If the lift makes unusual noises, do not use it until an authorised representative has carried out a safety inspection of the lift.
4) The sling must be checked for damage, paying particular attention to the strap loops. If a defect is found, then DO NOT use the sling again.
5) If you are in any doubt with regard to the lift or sling, then contact Burmeier.

1.4 Components of the lift

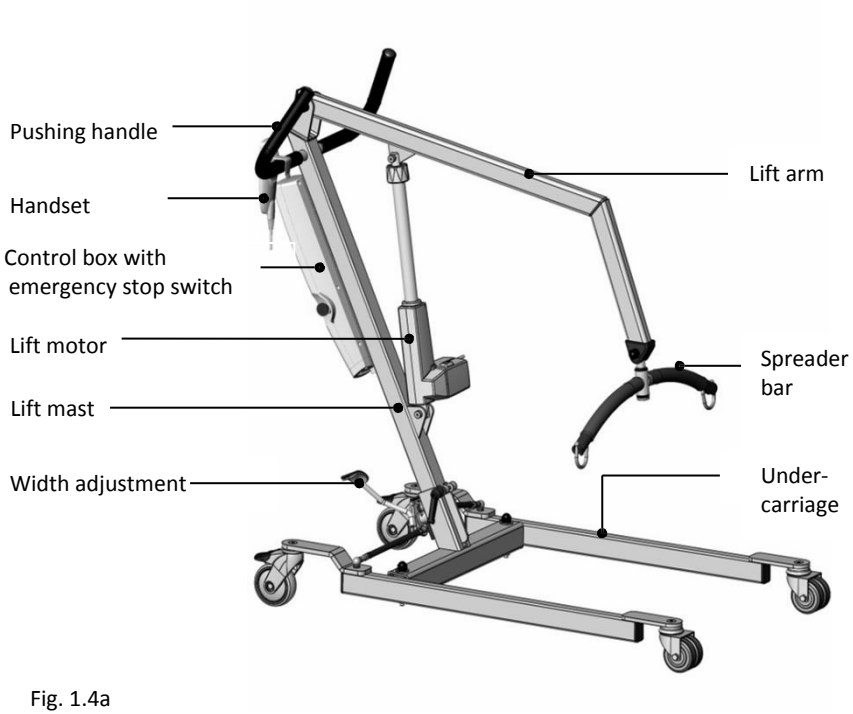


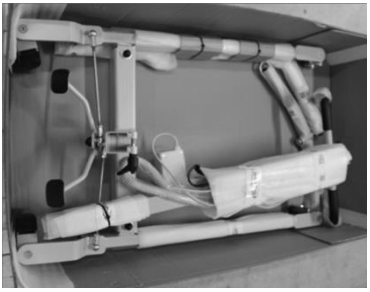
Fig. 1.4a

1.5 Unpacking

When unpacking, check that all of the components are present and intact. Contact Burmeier if you suspect that there is any damage or that components are missing. We recommend that you keep the box, so that the lift can be protected from damage if you ever need to move the lift to a different location or return it (under guarantee).

Contents of the box:

1. Undercarriage with width adjustment
2. Lift mast and lift arm with spreader bar
3. Lift motor
4. Handset
5. Control box
6. Instruction Manual



1.6 Assembling the lift

Please follow the assembly instructions precisely, step by step:

1. Place the undercarriage on the floor and lock the wheels using the brakes. (Fig. 1.6A)

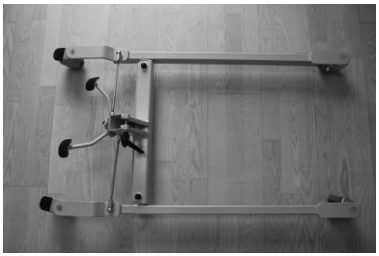


Fig. 1.6A

2. Fit the lift arm into the undercarriage and tighten the hand screw. (Fig. 1.6B + 1.6C)

Fig. 1.6B

Fig. 1.6C

3. Connect the piston rod of the operator unit to the lift arm. Use a 5 mm Allen key and a 13 mm spanner to tighten the bolt/nut (Fig. 1.6D). Put the cap onto the nut.

Fig. 1.6D

Fig. 1.6E

4. The handset and the lift arm are connected to the control box
(Fig 1.6F).
(See section 2.1 – Functions / Connectors).

Fig. 1.6F

1.7 Spreader bar and sling

The Agile II is supplied with our patented spreader bar, which was specially developed for use with approved loop slings. The sling has four to six strap loops and is designed for use with lift hooks with a diameter greater than 8 mm.

Suspending the sling from the spreader bar.

Burmeier cannot be held responsible if the sling is used incorrectly. The helper always bears responsibility for ensuring that the sling is suitable for the situation and that the sling is correctly suspended from the spreader bar.

(1) The sling loops are fitted onto the hooks, with the hooks in the open position. (Fig. 1.7A)

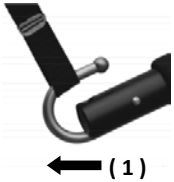


Fig. 1.7A

(2) The loops are then pulled downwards so that the hooks close. (Fig. 1.7B)

The lift hooks are designed such that the weight of the patient automatically keeps the hooks in the closed position. In order to remove the sling after use, pull the loops upwards and the hooks will open again.

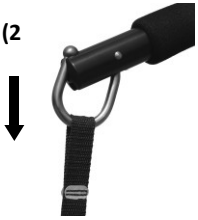


Fig. 1.7B

Danger of crushing – Make sure that fingers cannot be trapped.

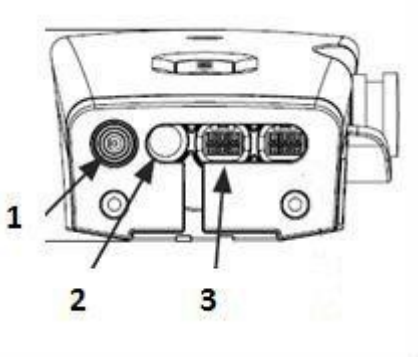
2. FUNCTIONS

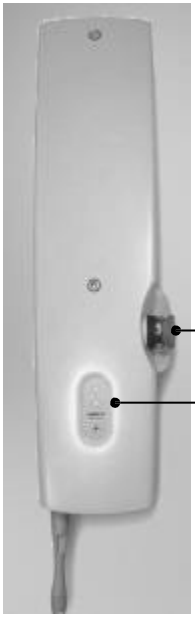
2.1 Pictograms and functions – control box

(1) Connector – electricity supply

(2) Connector – handset

(3) Connector – lift motor





(5) Emergency stop switch – (see section 2.3)

(6) Battery charging – shows that the battery is charging (see section 2.4.).

2.2 Pictograms and functions – handset

1. **Raise the lift arm** – When this button is held pressed, the lift arm moves upwards. Release the button to stop the process.

2. **Lower the lift arm** – When this button is held pressed, the lift arm moves downwards. Release the button to stop the process.

2.3 Safety functions

Emergency stop switch:

This function is used only in emergency situations: if the lift does not respond or stops when the handset buttons are pressed, for example. When the emergency switch is operated, all functions are stopped immediately. The emergency switch is operated with a quarter turn clockwise. (Fig. 2.3A)

Fig. 2.3A

Emergency lowering:

This function is also used only in emergency situations in which it is necessary to safely lower the occupant. The emergency lowering facility is located on the lift motor.

Turn the knob in the direction of the arrow to slowly lower the occupant. (Fig. 2.3B)

Fig. 2.3B

If the emergency switch and the emergency lowering are activated during use, then the lift may not be used again until a safety inspection has been carried out and any faults or defects have been rectified.

In case of doubt, contact Burmeier.

2.4 Recharging

The lift is with equipped with a rechargeable battery, which needs to be regularly recharged. Burmeier recommends that you recharge the battery every night or when the lift is not being used.

The lift can be charged via the main power supply (wall socket).

(1) Battery charge status – The indicator flashes yellow during recharging and lights up continuously yellow when the battery is fully charged.

(2) Handset indicator – The indicator lights up green when the handset is being used.

(3) Emergency lowering – Press this button and the lift arm will move downwards. The battery must be charged in order to use this function.

Battery warning:

If the battery charge is too low, an acoustic battery alarm will sound.

Recharging directly from the power socket:

1) Ensure that the emergency stop switch is not being operated.
2) Release the plug and connect it to the power socket.
3) The cable from the battery charger to the power socket should not be taut.
4) On the control box there is an LED indicator that flashes yellow during the recharging process.

Note: The lift cannot be overcharged.

2.5 Transport

The safest way to transport the Agile II is in its original packaging. The packaging is labelled with relevant (expedient) symbols to show the carrier what precautions must be taken.

3. SERVICING

3.1 Cleaning

The Agile II can be cleaned using a slightly damp cloth and a normal cleaning agent.

Do not use chemicals or strong cleaning agents.

In order to prevent infection, you are advised to clean the lift after each use. The Agile II can be disinfected using household alcohol.

3.2 Storage

The Agile II must be kept in a dry environment with a relative air humidity of no more than 90 %.

If the Agile II is not to be used over a longer period of time, then the unit should first be fully recharged and the emergency switch should be activated.

4. INSPECTION AND TROUBLESHOOTING

4.1 Annual inspections

The Agile II may be repaired and serviced only by qualified personnel. This also applies to the replacement of batteries, slings and other components.

The manufacturer Ergolet recommends a MANDATORY inspection of the lift at least once a year, to be carried out in accordance with servicing instructions. Annual inspections are also recommended by the European standard EN/ISO 10535, Annex A, regarding patient lifts/hoists.

The lawful owner of the lift must ensure that these inspections of the product are carried out.

For safety reasons, Burmeier recommends the use of original replacement parts if any components are worn or damaged and need to be replaced.

Guarantee

There is a two year guarantee on the product. For further information, please contact Burmeier.

4.2 Troubleshooting

Fault:		
The Agile II does not react when the RAISE/ LOWER buttons of the handset are pressed.	Possible cause:	The emergency switch is pressed.
	Solution:	Release the emergency switch (see section 2.3)
	Possible cause:	Defective handset.
	Solution:	Try using another handset. Alternatively: order a new handset from Burmeier.
	Possible cause:	The rechargeable battery is empty.
	Solution:	Recharge the battery (see section 2.4).
Fault:		
The lift arm can be driven either UP or DOWN but not in both directions.	Possible cause:	Fault in the control box.
	Solution:	Replace the control box.
	Possible cause:	Fault in the handset.
	Solution:	Try using another handset. Alternatively: order a new handset from Burmeier.
Fault:		
Abnormal noises and vibration from motor.	Possible cause:	Defective lift motor.
	Solution:	Replace the lift motor.
	Possible cause:	The rechargeable battery is empty.
	Solution:	Recharge the battery (see section 2.4).
Fault:		
Does not recharge	Possible cause:	The battery charger is not connected to the main power supply.
	Solution:	Connect the battery charger.
	Possible cause:	Defective control box.
	Solution:	Alternatively: order a new handset from Burmeier.
	Possible cause:	Defective battery.
	Solution:	Replace the rechargeable batteries.

5. TECHNICAL DATA AND DIMENSIONS

5.1 Technical data

Lifting characteristics:

Maximum load capacity:	150 kg
Number of lift movements under load:	40 to 60 with 80 kg / 0.5 m lift
Usage interval:	10%, max., 2 minutes/18 minutes
Manual emergency lowering:	Yes
Electronic emergency lowering:	Yes

Electrical details:

Power supply (input):	100-240 VAC 50/60Hz, max. 0.35A
Output voltage:	24 V⎓
Control box (output):	250 VA
Rechargeable battery capacity:	2.9 Ah
Protection class:	IPx4

Noise:

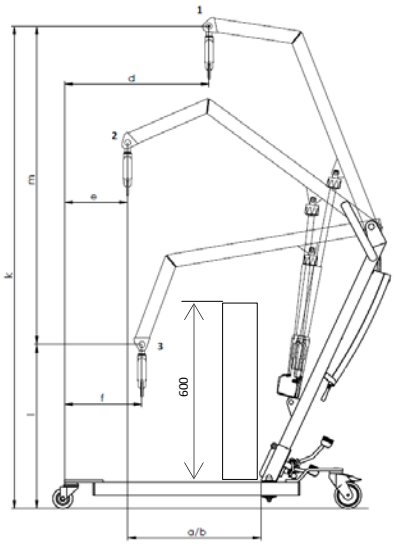
LwA during raising/lowering without load is 45 dB(A)
LwA during raising/lowering with maximum load is 45 dB(A)

Material:

Powder-coated steel

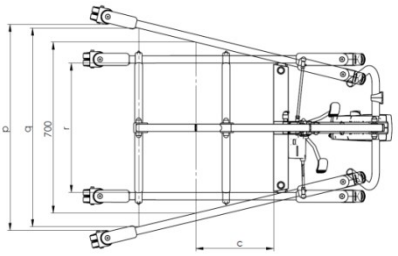
5.2 Dimensions

1. Highest point
2. Maximum reach point
3. Lowest point



a) Maximum reach at 600 mm (reference height): 554 mm
b) Maximum reach from base 554 mm
c) Reach from base with width adjustment of up to 700 mm 319 mm
d) Minimum distance from wall to CSP* at max. height (width adjustment) 542 mm
e) Minimum distance from wall to CSP* at max. reach (width adjustment) 184 mm
f) Minimum distance from wall to CSP* at minimum height (width adjustment) 290 mm

k) Maximum height of the CSP*: 1808 mm
l) Minimum height of the CSP* 615 mm
m) Hoisting range 1193 mm
p) Maximum internal width 844 mm
q) Internal width at max. reach: 813 mm
r) Min. internal width 530 mm



*Central Suspension Point

Turning diameter: 1300 mm

Weight:

Total weight: 33.5 kg
Lift mast including battery: 18.2 kg (battery 2.8 kg)
Undercarriage : 15.3 kg

6. ENVIRONMENT AND QUALITY

The Agile II has an expected service life of at least 10 years, provided that it is serviced as specified and that the care requirements are observed.

6.1 Disposal

Since it is electrically adjustable, this lift is classified as type b2b industrial electrical equipment in accordance with WEEE Directive 2002/96/EC (law governing electrical equipment).

- Replaced electrical components (actuators, control units, handsets etc.) must be treated as electrical waste (in accordance with the WEEE Directive) and disposed of accordingly.
- Batteries that are no longer usable and have been removed must be properly disposed of in accordance with battery regulations and do not belong in the household waste.
- The operator must ensure that all components that are to be disposed of are neither infectious nor contaminated.
- If the lift is to be scrapped, the synthetic and metallic parts must be separated and disposed of properly.
- If you have any queries, you can contact your local authority, municipal waste company or our service department.

6.2 Quality approval

Ergolet is certified in accordance with the quality standard ISO 9001 and ISO 13485.

Approval means that the products and the company comply with the relevant international standards regarding quality management and the standards for medical products.

The Agile II is classified as a Class 1 medical product.

6.3 Symbols and Abbreviations

Direct current

Double insulated

Type B, the patient is not separated from the ground or the undercarriage.

Read the instruction manual.

The product should be recycled/re-used if possible.

SWL Maximum safe working load (patient + sling)

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