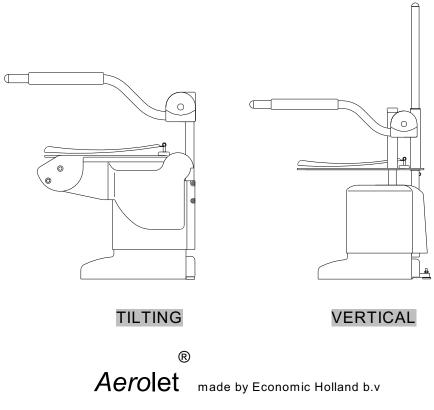


The ergonomic toilet-aid

Manual and Installation



Aerolet Manual+Installation Tilting + Vertical - CO61 - version: 11 - June 2023

Important device description

- This product has been tested according to and found compliant with the standard EN60601-1-2:2015:
 - Immunity test levels as defined for home healthcare environment
 - Emission test limits as defined for group 1, Class B
- Based on the test results it can be concluded that the foreseeable electromagnectic disturbances will not result in an unacceptable risk/danger to the end user.
- Warning interference other communication equipment:



WARNING

 Portable RF communications equipment (including peripherals such as antenna cables and external antennas) should be used no closer than 30 cm (12 inches) to any part of the Aerolet, including cables specified by the manufacturer. Otherwise, degradation of the performance of this equipment could result.

Declaration by the manufacturer

This declaration has been made by the manufacturer, that the Aerolet toilet lift complies with the new requirements of the Regulation (**EU**) **2017/745** of 5 April 2017 on medical devices ('MDR'). The content of the Aerolet's Technical File was used for the assessment.

The toilet lift is primarily classified as a medical device within the meaning of the MDR.

Justification: the Aeroletis a device or appliance produced by the Economic Holland B.V. and intended for use by disabled persons with limited muscle strength for the prevention, treatment or alleviation of (the loss of) muscle strength. Pursuant to Article 51 of the MDR, the devices are classified into risk classes I, IIa, IIb and III, taking into account the purpose intended by the manufacturer and the inherent risks. The classification is carried out in accordance with Annex VIII of the MDR.

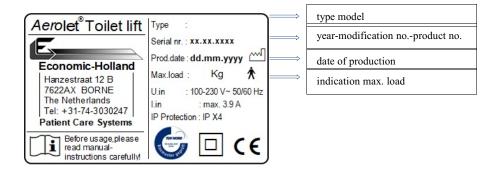
Justification: according to Annex VIII, Chapter III, sub 4.1 (Rule 1) the Aerolet is covered by Class I of the MDR.

Registrated in Eudamed databank under Basic UDI-DI no. 87193276956AEROLET19585M.

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Data of your own toilet lift:



Specifications

Model	Seat frame	Weight lift	Measurement	Maximum
			L x B x H in cm	Load
ST	Standaard	33 KG	68 x 73 x 99	150 Kg
BA	Bariatric	39 KG	68 x 73 x 99	250 Kg
CL-ST	Closomat	34 KG	68 x 73 x 99	150 Kg
GE-8000	Geberit	35 KG	68 x 73 x 99	150 Kg
GE-ME	Geberit	34 KG	68 x 73 x 99	150 Kg
SM	Small	32 KG	68 x 67 x 99	150 Kg
VE-ST	Standaard	36 KG	71 x 69 x 107	150 Kg
VE-CL	Closomat	37 KG	71 x 69 x 107	150 Kg
VE-GE8000	Geberit	37 KG	71 x 69 x 107	150 Kg
VE-GE-ME	Geberit	37 KG	71 x 69 x 107	150 Kg
VE-SM	Small	35 KG	71 x 63 x 107	150 Kg

Ambient environmental conditions:

- operating temperature +5°C and +40°C
- storage temperature +5°C and +40°C
- relative humidity between 20%RH and 60%RH (non condensing)
- operation altitude up to 2.000m

Preface

Dear user,

Congratulation on your purchase of the Aerolet® toiletlift.

This state of the art assistive device has been delivered to you with great pride in its design and quality materials.

The revolutionary design concept of the *Aero*let[®] has evolved from years of research and development.

We are confident that you, the user, will find your *Aero*let[®] is easily maintained, attractive and ergonomically correct. The multiple adaptations and adjustments of the *Aero*let[®] can be custom fitted for a specific person or adjusted to accommodate multiple users.

The ideal support of the *Aero*let[®] moves the trunk forward as the users center of gravity is brought above the feet while the knee and hipjoints simultaneously straighten to a normal, natural standing position.

Your toilet can always be used with the toilet lift in its down position by those that do not require the *Aero*lets[®] assistance to stand. After accurate installation of your toilet lift by your dealer and his qualified engineer the *Aero*let[®] is ready for use.

A component list with option parts for the Aerolet toilet lift is available on request.

The maximum service life is based on 10 years with daily use.

This Manual contains important information for installation, use and maintenance of the *Aero*let[®].

The installer and user should read this manual carefully before installing or using this product. Should you have any questions regarding the *Aero*let[®] after its installation, please contact your dealer or installation company.

Important information

Symbol	Reference	Title
i	ISO 7000-1641	Operation instructions
	IEC 60417-5172	Class II equipment
\sim	IEC 60417-50032	Altenating current
IPx4	IEC 60529	IP Protection
\triangle	ISO 7010-0434A	General warning sign
	ISO 7010	Trapping hazard
\bigwedge	ISO 7010-0434A	General caution sign
R	ISO 7010	Keep out of reach of children

Explanation Symbols

Pay special attention to warning and caution symbols used in this manual.

- · improper use may cause injury to the user
- improper use may cause damage to the Aerolet® !



Warning !

Never change lift settings yourself, but leave this to an authorized person.



Caution !

Lift repairs may only be done when power is off !



Your Aerolet[®] toilet lift is absolutely no toy !



Danger of hand-jam.



Warning ! NOTE - HOT PLUGGING !!

Removing or adding any OPENBUS cables are not allowed when the toilet lift is powered by mains supply! If needed anyway follow the below procedure:

- 1. Remove mains and wait 5 sec.
- 2. Mount or dismount the required cables

If this procedure is NOT followed it may result in damaged OPENBUS driver circuit.

The risk of a damaged circuit increases if the accessory has a high start current (in rush current).

Cleaning & maintenance of Aerolet

• The Aerolet is designed for easy cleaning.



Warning !

- Unplug the *Aerolet* from the socket outlet when cleaning the lift.
- The *Aero*let should be cleaned with each routine bathroom cleaning.
- Do not take off the plastic cover placed over the control button.
- Do not use chlorine bleach and/or hydrochloric acid (scale solvents) based products to clean the lift.



Warning !

- The lift may **NEVER** pour over with water or be watered with high water-pressure.
- Do not clean under the covers with liquids.
- The covers can be cleaned with a moisture tissue on the outside.
- The *Aero*let doesn't need periodical inspection and is maintenance free concerning mechanical parts.



Caution !

- The *Aero*let grant **only** "Pressalit" toilet seats as they are custom fit to the lift.
- When the seat is damaged, please contact your certified professional for assistance.
- When replacing the *Aerolet*' please subject the lift to inspection and testing by your certified professional dealer.
- When the toilet lift is taken out of operation, the mains voltage must be disconnected. Store the lift in a dry environment.

Guarantee and Repair

Economic Holland B.V. guarantees the *Aero*let[®] against material and manufacturing faults from 24 months from the purchase day.

The guarantee period starts from the delivery- or the installation day when placed by an authorized dealer.

During this guarantee period the authorized dealer will replace or repair at his own choice the faults.

The mains cord may only be replaced by an authorized service engineer.

Exclusions

Your *Aero*let[®] guarantee is not applicable on faults which will result in the following:

- wrong or inadequate maintenance by the user.
- unauthorized adjustments and/or adaptations or misuse.
- usage outside the environment-specifications wherefore the product is meant for.

Repair

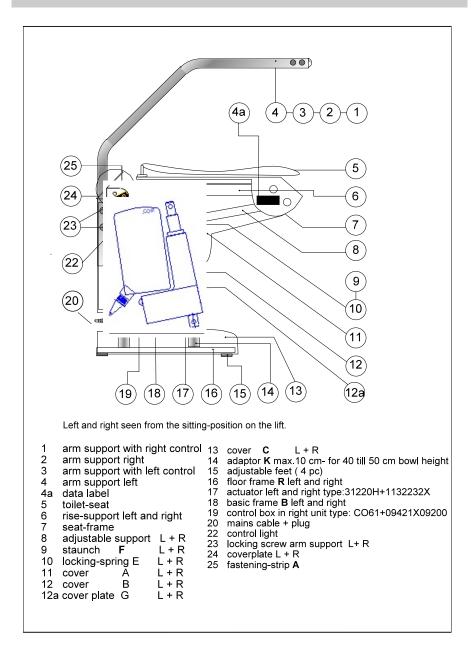
Repairs must only be carried out by an authorized person. Parts under guarantee must also be returned to Economic Holland.



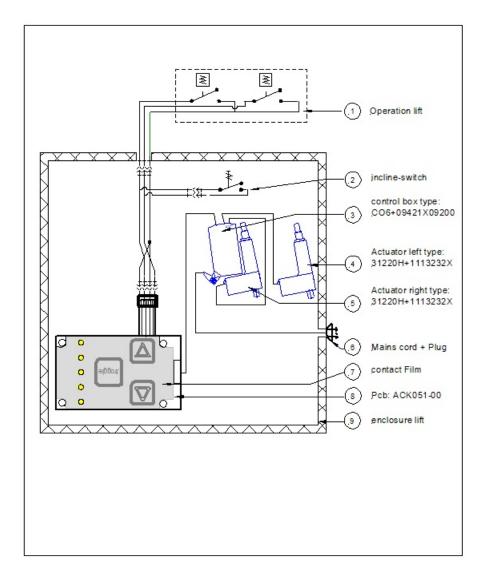
Warning !

When the *Aero*let[®] will be opened unauthorized, there is a risk of subsequent malfunction.

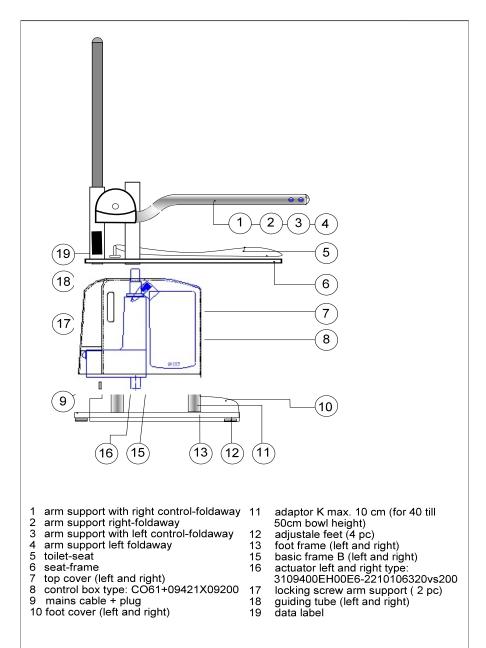
Basic-structure of the Tilting Aerolet toilet lift



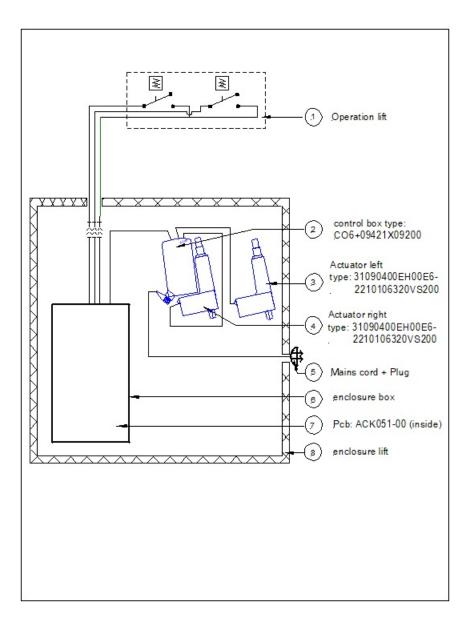
The Aero let Tilting wire diagram



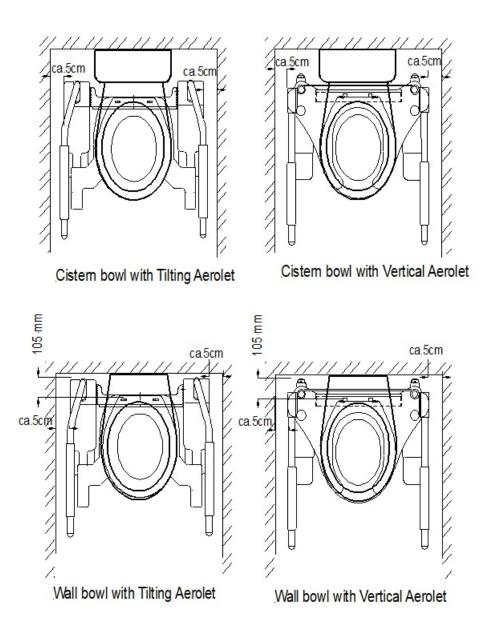
Basic-structure of the Vertical Aerolet toilet lift



The Aerolet Vertical wire diagram



VIEW FROM ABOVE OF SEVERAL FORMATIONS



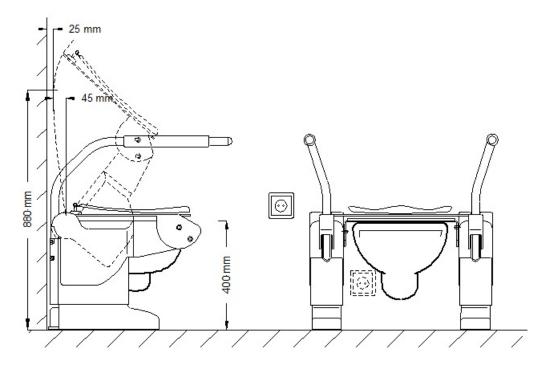
Formation of an Aerolet toilet lift

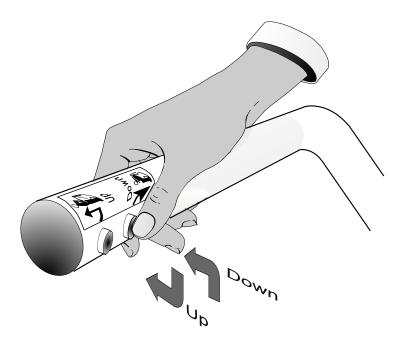
- For installing the strip of the lift a minimum of 105 mm is needed from the wall to the center mounting holes in the bowl (where the existing toilet seat was mounted)
- To each side of the *Aero*let[®], a 50 mm space is necessary to adjust the lift-rise settings.
- The diagram below gives an example of where the socket outlet can be installed.



WARNING!

During the rise, the seat frame will move a maximum of 45 mm backwards leaving a free space of about 25 mm between the seat frame and the wall with a height of 880 mm.







WARNING! Danger of hand-clench

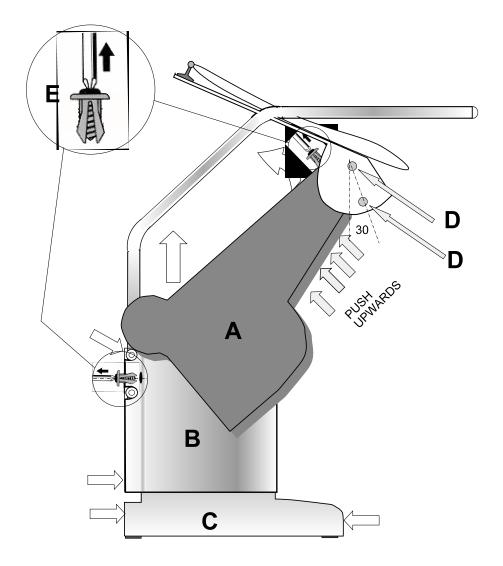
- The users hands must always be on the arm supports or in the lap when the *Aero*let[®] is in motion.
- The lift stops automatically when loosen the control buttons.

- The Aerolet[®] lift operates by two easy press button controls. These buttons are situated on the inner side on one of the arm supports.
- The FRONT BUTTON = UP (controls the upward movement of the lift)
- The REAR BUTTON = DOW (controls the downward movement of the lift)
- The *Aero*let[®] stops automatically at the level, which set from the beginning.
- Chancing the setting falls under the responsability of the service engineer.
- The Aerolet[®] stops with the release of either buttons.
- No continued movement will occur once the lift reaches the preset stopping point. The *Aero*let[®] toilet lifts' drive system will recalibrate itself each time it reaches its lowest point.
- When the Aerolet[®] is installed on a Geberit or Closomat (washing and drying) model, the washing and dryer system will operate when the Aerolet[®] reaches its lowest point.



Caution !

If both buttons will be pressed, the lift stops. Please release both buttons for using the lift again.





WARNING!

- The user may NEVER remove or install the covers of the lift.
- This should **only** be changed by a certified professional.

REMOVAL

- All covers are fastened to the frame with Velcro[®].
- For removal of the covers, the lift must be moved upwards so that the hinge points **D-D** make a 30 degree angle with the perpendicular sides of the lift.
- Remove the two rivits **E** out of the cover **A** and **B**.
- Remove cover A first, then B and C.

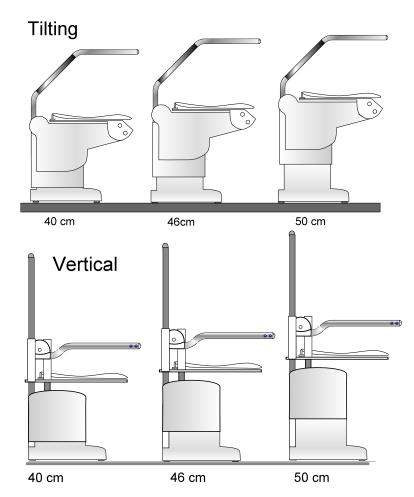
INSTALLATION

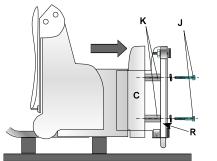
- Position the lift as described above for removal of covers.
- Install the cover **C** first, then **B** and **A**.
- The covers will overlap eachother.

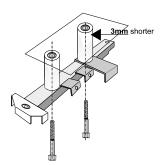


Warning !

Please be sure that the covers are placed on the outside of each other prior to operation of the lift. Damage can occur to the covers if improper installed.







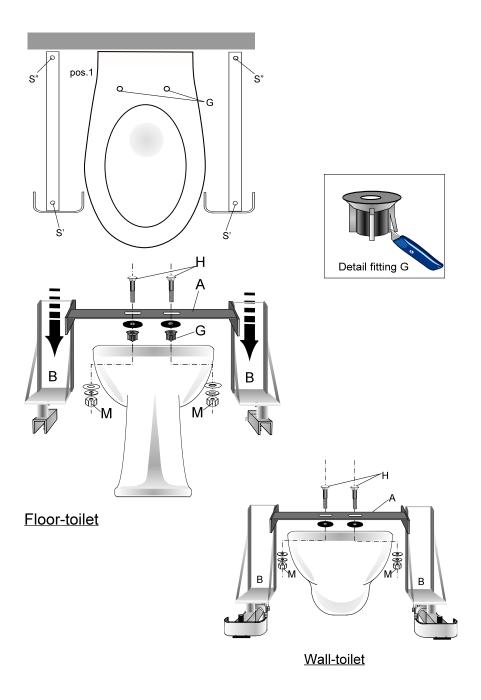
Prepair the Aerolet for a 'height' toilet



Caution !

The following points must only be carried out by an authorised installation person.

- Before ordering and installing the *Aero*let, the height of the toilet bowl should be measured accoring the measurement form.
- The Aerolet can be adjusted for height toilet with installation of K adaptors.
- Carefully turn the lift backwards so that frame **R** is off the ground. Use for instance a few wooden blocks.
- Unscrew the four existing bolts J.
- Remove cover C off of the floor frame A by seperating the Velcro[®].
- Install the K adaptors between the floor frame and drive units and insert the four mounting bolts J into the adaptors (see detail page 18).
- Slide cover C over floor frame R and fasten the Velcro[®].
- Turn the lift upright and install it over the toilet bowl following the installation procedure in this manual.



Installing the *Aero*let on a toilet bowl

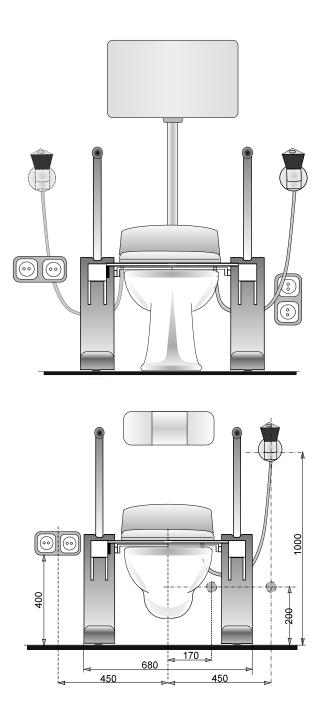
(floor or wall model)



Warning !

The following points must only be carried out by an authorised installation person.

- As the Aerolet[®] is installed to the toilet bowl, this bowl form part of the system. Be sure that the existing bowl is well fixed to the floor or wall.
- Remove the existing toilet seat from the toilet.
- Remove the covers. (see page 16-17)
- Plug the Aerolet[®] into the socket outlet.
- Bring the lift aproxx. 15 cm upwards, so that strip **A** will be visable.
- Push fittings **G** into the mounting holes of the toilet bowl. If necessary, trim the fittings to fit the holes. (see detail **G**)
- Install the lift over the bowl so that the holes of strip A corresponds with the toiletbowl holes.
- Insert the two mountings bolts H into the mounting strip and fasten them to the toilet bowl. If necessary, turn the adjusting screws S" so that the strip A lays flat onto the bowl.
- Plug the Aerolet[®] into the socket outlet and see if the lift is operational.
- **Check** to see when turning all the screws **S**, a minimum of 25 mm. distance arises between the toilet bowl edge and the frame-seat. Turn bolts **K** and nuts **M** and **S** again. Install the covers.
- Adjust the feet under the lift in such a way, that the lift stands stable
- Adjust the arm supports. (see page 32-33)
- If necessary, adjust the seat rise with the toggle-switch. (see page 28-29)

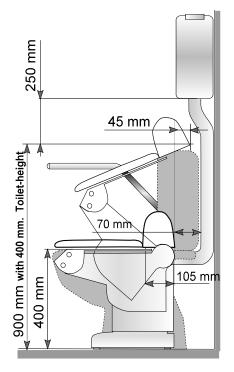


Installing the *Aero*let in combination with a shower WC (Bidet-sytem)

- The Aerolet[®] is delivered complete with a Bidet system.
- · Both products have been adapted to compliment each other.
- The combination will fit both regular and elongated bowls.
- To install this combination, an extra socket outlet and a water supply is needed.
- Make sure that this combination needs more space (namely minimum 105 + 70 = 175 mm) from the bowl-seat holes to the cistern-pipe or wall, if there is no pipe.

This means, that this combination does not fit on:

- toilet bowl with cistern combination.
- toilet bowl with low hanging cistern.
- · toilet bowl positioned very close to the wall.



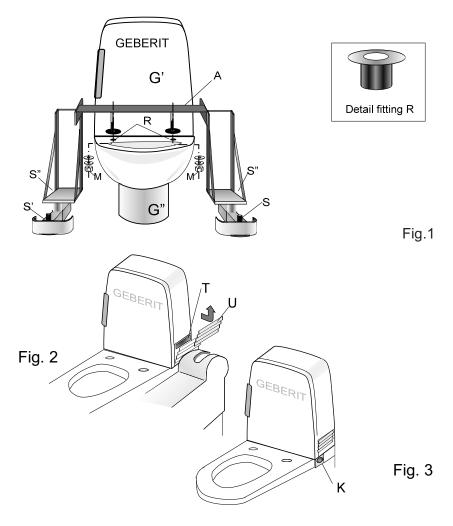
The solution is hanging the cistern higher, and that there is a minimum space of 70 mm between the backside of the WC-VAmat and the cisternpipe. (see also page 12-13)

For installation follow the instruction on page 20-21 (floor toilet) and (wall toilet).

WARNING

Do not plug the Bidet in to the socket outlet until the installation is completed and the water supply is hooked up and turned on.

(see manual Bidet)





Caution !

Because of installing the *Aero*let[®], the service covers of the Geberit WC7000 cannot be opened completely. For replacing the carbon filter **T**, the cover **U** has to be opened and removed completely by pushing it out of its hinges (see fig. 2). This act must be done also on the other side of the cover for making the settings for the Geberit.

Installing the *Aero*let on Geberit bidet WC7000 (floor or wall model)



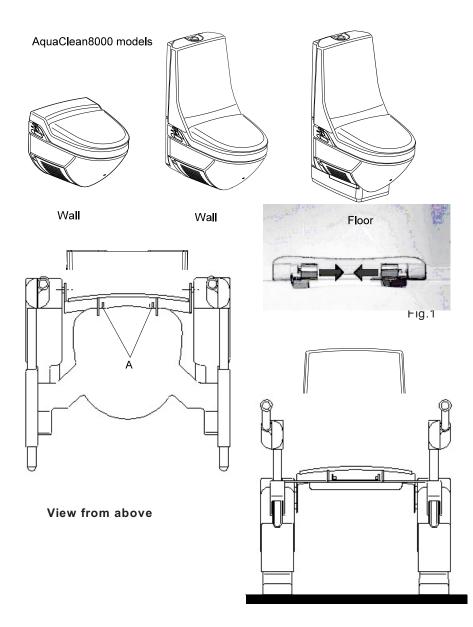
WARNING !

- As the *Aero*let[®] is installed to the toilet bowl, this bowl form part of the system. Be sure that the bowl is well fixed to the wall.
- Remove the covers **G**' and **G**" (see Geberit WC7000 manual)
- Then remove the complete seat with adjusting material and wire
- For the control of the Geberit via the arm support, a connection has to be made with the blue pinch-clip wire to control-knob **K** (see Fig.3).
- Push fittings **R** into the mounting holes of the toilet bowl (Fig.1). If necessary, trim the fittings to fit the holes. (see detail **R**)
- Connect the wire with white plug to one of the wires which were part of the Geberit sitting contact.
- Plug the *Aero*let[®] into the socket outlet and bring the lift approx. 25 cm upwards with the control button on the arm support.
- Install the lift over the bowl. Fasten the connection strip **A** to the toilet bowl.
- If necessary, turn the adjusting screws S" so that the strip lays flat onto the bowl.
- Connect both black plugs with the Aerolet toilet lift wires and check function.



Caution!

- **Check** the toilet seat bottom when it is in lowest position. It should touch the front supports of the seat-frame.
- If necessary, turn the front screw(s) S' to level
- **Check** to see when turning all the screws **S**, a minimum of 25 mm distance arises between the toilet bowl edge and the seat frame.
- Adjust the toilet seat without seat-cover of the Geberit on to the Aerolet[®] seatframe.
- Adjust the arm supports. (see page 32-33)
- If necessary, adjust the seat rise with the toggle-switch. (see page 28-29)



Front view

28

Installing the *Aero*let toilet lift on a Geberit AquaClean 8000 *plus*



WARNING !

- As the *Aero*let[®] is installed to the toilet bowl, this bowl form part of the system. Be sure that the bowl is well fixed to the wall.
- The Aerolet[®] can be adjusted to several AquaClean800 models (see page 26).
- Remove the below cover of the AquaClean8000 (see Aqua-Clean's handbook).
- Connect the control wire with white plug onto the circuitboard of the AquaClean 8000 (see assembling procedure).
- Re-install the below cover and take care of leaving the cable with black plug outside the cover. Connect this black plug with the contra-wire of the *Aero*let[®] toilet lift.
- Remove the AquaClean8000 seat and lid by moving the bolts inwards (see Fig. 1 and /or Geberit's handbook)
- Connect the lift into the socket outlet and bring the lift approx. 25 cm upwards with the control button on the arm support. Move the lift over the fixing hinges of the toilet bowl and check if the pins of the connection strip **A** fall in to it.
- Connect strip A to the toilet bowl by moving the hinges bolts outwards.THIS CAN BE QUITE DIFFICULT.TO DO SO. IN THIS CASE ALSO PUSH STRIP A AGAINST THE BOWL. DON'T MAKE USE OF A HAMMER!!
- Adjust the feet under the lift in such way, that the lift stands stable.
- Adjust the arm supports (see page 32-33).
- If necessary, adjust the seat rise with the toggle-switch (see page 28-29).

Setting the rise of the Aerolet toilet lift



WARNING!

Lift setting is only allowed to be changed by a certified service engineer. Please do not attempt to change the settings yourself.

- Height adjustments can **ONLY** be made when the toilet seat is in its lowest position.
- Remove covers **A** and **B** (see page 16-17).
- Release the locking spring **G** on both sides by pushing it upwards and to the side (fig.1 page 30).
- Pull out the hinge pin **F** on both sides.
- The traction bar **E** can now be adjusted in the correct hinge hole number. Also the LED position number must be adjusted.
- By holding the 'Toggle' down the LED position changes. Let loose the Toggle when the light lights up in the corresponding hinge number.



WARNING!

- The height adjustment must be made in the same hinge hole position on each side of the lift.
- Fig. 2 is an exemple of an adjustment: LED on 3 and hinge on 3 position (please also watch the text of Fig. 2 on the lift).
- The LED position may adjust in a lower position i.e. 2 or 1

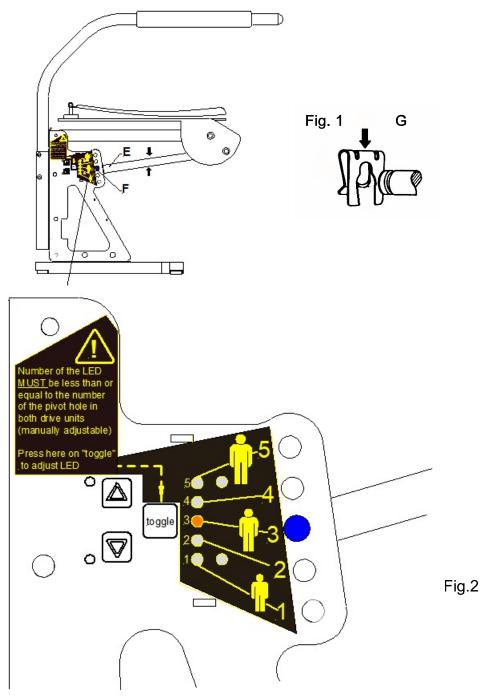
when hinge = 3. Through this the lift rise will be shortened.



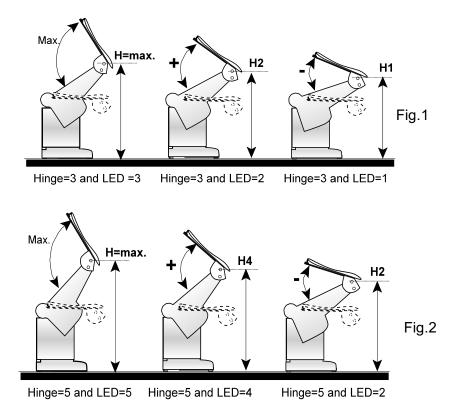
30

WARNING !

- Never adjust the LED position in a higher figure than thefigure of the hinge. Through this the lift will rise too far! At the same time a safety switch comes into force and will move the toilet lift a little downwards.
- After checking the rising height, the covers can be re-installed. (see page 16-17)



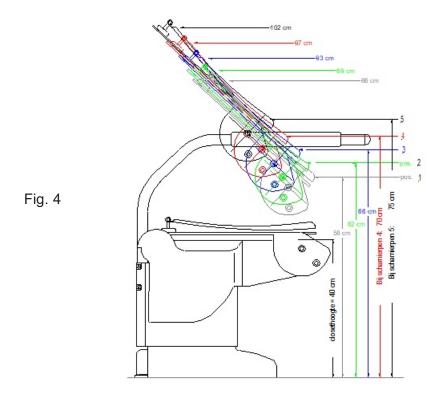
Examples of height adjustments

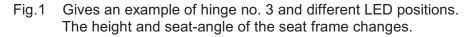


Hinge-number	LED-number	
Nr. 1	Nr. 1	
Nr. 2	Nr. 2, 1	
Nr. 3	Nr. 3, 2, 1	
Nr. 4	Nr. 4, 3, 2, 1	
Nr. 5	Nr. 5, 4, 3, 2, 1	

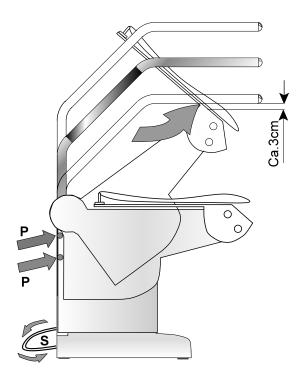
Fig. 3

Examples of height adjustments





- Fig.2 Gives an example of hinge no. 5 and different LED positions. The seat height is higher than Fig. 1 and the seat-angle stays in the same level.
- Fig.3 In this data-view you can see the15 different adjustment possibilities of the hinges and LED's.
- Fig.4 Here you can see the maximum seat frame heights when the bowl is 40 cm.







The arm supports can be only adjusted in height.
 On special request also in width possible.

WARNING!

- Changes to the lift settings should only be made by a service engineer.
- Unplug the Aerolet[®] before making any changes!
- Before setting the arm supports, make sure that cord **S** comes out of the lower side of the operational arm support. Also pull the cord out a bit sothat it will not be damaged during adjustments.

\triangle

WARNING!

• Unscrew the two bolts **P** on both sides and adjust the arm supports in height. After the adjustment, tighten the bolts **P** again. Both bolts on each arm support must lock the support into place.



WARNING!

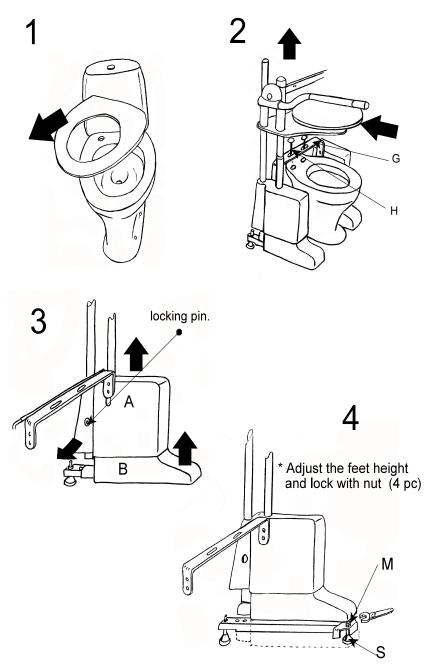
- When the arm supports are adjusted in to a lower position, the seat rise settings may bump against the underside of the arm support.
- This can cause damage to the lift!
- This must be adjusted to ensure enough room clear the arm supports.
- A minimum 35 mm space must be allowed between the seat frame and the arm supports. (see fig. 1 page 32)
- Finally push cord **S** back into its drive unit.

Troubleshooting

LA = Linear Actuator / CB = Control box

Symptom	Possible Cause	Action
Power indicator does not light up	- Not connected on the mains	- Connect to mains
(see pag.10 - no. 22)	- Earth leakage circuit breaker is off	- Switch on the breaker
	- CB is defective	- Replace the CB and send or repair
Power indicator lights up but actuator does not run	- Actuator plug not pushed into the CB properly	- Push actuator plug into CB properly
	- LA defective	- Replace LA
Power indicator lights up but actuator does not run.	- CB defective	- Return CB for repair
not run.	- Control button set defective	- Replace control button set
No motor sound or movement of piston rod	- The actuator is not connected to the control box	- Connect the actuator to the control box
	- Cable damaged	- Return actuator for repair
Motor runs but spindle does not move	- Gear wheel or spindle damaged	- Return actuator for repair
Actuator cannot lift full load	- Motor is damaged	- Return actuator for repair
Motor sound but no movement of piston rod		- Return actuator for repair

Symptom	Possible Cause	Action
Piston rod will only move inwards and not outwards	- Safety nut has operated	- Return actuator for repair
Vertical toilet lift is only lifting on one side	 Very unequally loaded One side of the lift stopped 	- Keep pushing (pulsated) the down button, until the lift stands horizontal (see pag.38 - fig. 6)
Vertical toilet lift sounds loud during up- and down motion	- Guiding rods are dirty or greasy	- Keep the guiding rods clean from dirt and grease.(see pag.38 - fig. 5)
Tilting lift doesn't come high enough	- Position of the LED is lower than the position of the hinge pin	- Have LED re-adjusted by authorised engineer (see pag. 29)
Tilting lift doesn't come high enough	- Too heavy loaded	- Load less than 150 Kg
	- No voltage	- Voltage check by authorised engineer
Toilet lift gives a beeping sound when pushing the blue button	- Power overload - Lift doesn't run	- Reset the lift with the push control buttons (see pag.39)



Installing the Vertical Aerolet on a toilet bowl

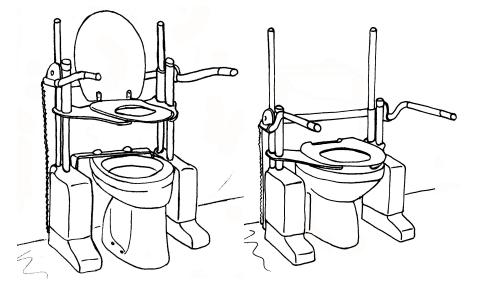
WARNING!

- As the Aerolet[®] is installed to the toilet bowl, this bowl form part of the system. Be sure that the bowl is well fixed to the wall.
- Remove the seat with the mounting bolts. (pict. 1)
- Plug the Aerolet® into the socket outlet and bring the lift upwards.
- Install the lift over the toilet bowl. (pict. 2)
- Fasten the strips **G** with bolts and ring **H** to the toilet frame.
- If necessary, turn the screws **S**, so that the strip-holes **G** will correspond to the frame-holes.



Warning Check the toilet seat bottom when it is in its lowest position.

- If necessary, turn the front screw(s) **S** to level. (pict. 3 and 4)
- Install the covers **A** and **B** by push the covers downwards until cover **A** snaps into the locking pin. (pict. 3)
- **Check** to see when turning all the screws **S**, a minimum of 25mm distance arises between the toilet bowl edge and the frame-seat.
- Turn nuts **M** and **S** again.
- The toilet lift is ready for use



Caution

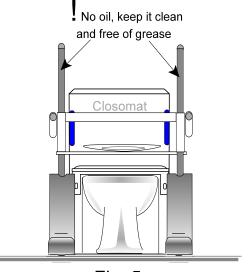
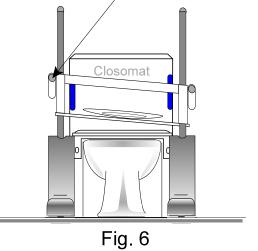


Fig. 5

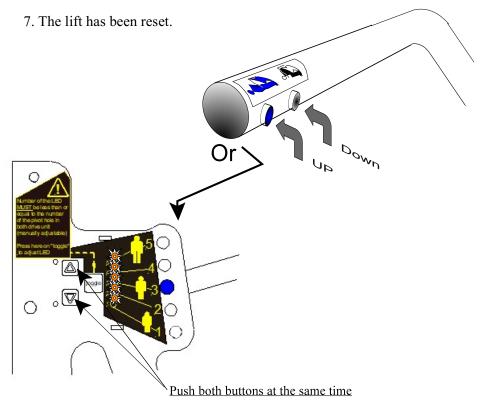
Keep pushing (pulsated) the black (down) button, until the lift stands horizontal. During each toilet use, take care of bringing the lift completely down in its lowest position!!



RESETTING THE VERTICAL / TILTING AEROLET UP / DOWN CONTROL BUTTON FUNCTION

When the lift has a fatal error, you hear a beeping sound when you press the control buttons and also the 5 LED's blink at the tilting-lift. Please follow next procedure:

- 1. Frist check if all cable plugs are plugged in well and and secured
- 2. Push **both buttons** on the arm support **at the same time**, or
- 3. Push **<u>both</u>** $\boxed{\nabla}$ buttons on the lift frame **<u>at the same time</u>**
- 4. You will hear a pulsate peeping sound for about 10 seconds
- 5. Keep pushing the buttons untill the leds goes out and the beeping stops
- 6. Keep pushing the down button (black) untill the lift is completely down



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Patient Care Systems

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Economic Holland reserve the right to technical alterations !