

VERMEIREN

Maintenance manual
Liftchair





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1 Maintenance

Lifetime of the liftchair is strongly influenced by its use, storage, regular maintenance, servicing and cleaning.

1.1 Regular Maintenance

The maintenance activities to ensure a good condition for your Vermeiren liftchair are described below:

- Before every use
 - See that all the screws are tightened properly.
 - Check the liftchair (cleanliness, cracks, damage on upholstery or/and frame ...) and make it clean.
 - Do not use your liftchair if you notice any defects but contact your local dealer.
- Every 8 weeks: inspection from
 - Condition of the cushioning materials
- Every 6 months or for every new user
 - General review
 - Mechanical integrity
 - Cleanness, Disinfection
 - Function of the electric parts

For your convenience, on the back of this manual is a maintenance plan.

Repairing and assembling of spare parts for your wheelchair may only be performed by the specialist dealer.

Only authorized Vermeiren spare parts may be installed.

1.2 Shipping and storage

The shipping and storage of the liftchair shall be according following instructions:

- Store in a dry place (between +5 °C and +45 °C).
- The relative humidity of the air should be between 30% and 70%.
- Provide sufficient covering or packaging to protect the liftchair from rust and foreign bodies. (e.g. salt water, sea air, sand, dust).
- Store all removed parts together in one place (or mark them if necessary) to avoid mixing up with other products when re-assembling (e.g. the charger).
- Components must be stored without being subjected to strains (Do not put too heavy parts on the liftchair, not clamping between something, ...). Grasp the wheelchair by solid frame parts only.
- Check internal cables for squashing and the prevention of kinks.
- Disconnect the power plug out the socket.

1.3 Care

The cleaning of your liftchair is possible with household products.

1.3.1 Upholstery

The cleaning of the upholstery shall be done as follows:

- Clean the upholstery with a cloth moistened in warm water. Take care that you do not soak the upholstery.
- Use a mild commercial detergent for removing stubborn dirt. We strongly advise you to first test the cleaning product on a hidden part of your liftchair.
- Stains can be removed by using a sponge or a soft brush.
- Do not use strong cleaning liquids like solvents, nor use hard metal brushes.
- Never clean with steam and/or pressure washers.
- Do not wet the electrical parts.

Damage caused by the use of improper cleaning agents is not the responsibility of Vermeiren.

1.3.2 Coating

The high quality of the surface layer guarantees optimal protection against corrosion. If the outer coating is damaged by scratching or in some other way, get your specialist dealer to repair the affected surface.

When cleaning, only use warm water and normal household detergents and soft brushes and cloths. Ensure that no moisture gets into the components (tubes, electronics, ...).

Dulling can be avoided by lightly greasing steel parts with Vaseline.

1.3.3 Electronics

Before starting, it is important to unplug the power cable. Wipe the handset with a cloth moistened by a few drops of a commercial domestic cleaner. Do not use any abrasives or sharp-edged polishing equipment like a metal scrubber or brush, since these can scratch the surface of the handset.

1.4 Inspection

In principle we recommend one inspection every year, and a minimum of one before usage is resumed. All of the following checks must be performed and documented by authorized persons:

- Visually check the frame parts for plastic deformation, cracks and impaired functioning. (basic frame, seat frame, back frame, motor suspensions).
- Check the solidity and seating of all screws.
- Visually check for damage to the paintwork (danger of corrosion).
- Check the plug connectors for corrosion or damage, since it could affect the efficiency of the electric parts.
- Check the cabling (especially for: crushing, abrasion, cuts, visible insulation of the inner conductor, visible metallic veins, kinks, lumpiness, color changes of the outer sleeve, brittle spots).
- Electric cables to be securely placed to avoid shearing, crushing and other mechanical stresses and strains.
- Check the motors for adjustments (seat inclination, backrest inclination).
- Completeness of the delivery condition, instruction manual available?

The service must only be confirmed in the maintenance plan if a minimum of all the above-mentioned aspects have been checked.

1.5 Troubleshooting

The following list will assist you with the troubleshooting of your electric liftchair.

Problem	Cause of problem
The liftchair refuses to work.	<ul style="list-style-type: none"> • Check the power cable is connected to the socket. • Handset is not working. Contact specialist dealer.

1.6 Disinfection

- ⚠ WARNING: Dangerous Products - The use of disinfectants is restricted to authorized personnel.**
- ⚠ WARNING: Dangerous Products, risk of skin irritation - Wear suitable protective clothing. Take note of the product information of the solutions concerned.**

All parts of the liftchair can be treated by scrubbing with a disinfectant.

All steps taken to disinfect rehabilitation equipment, their components or other accessory parts are to be recorded in a disinfection report containing a minimum of the following information (with product documentation appended):

Date of the disinfection	Reason	Specification	Substance and concentration	Signature
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Table 1: Example of a disinfection book

Abbreviations used in column 2 (reason):

V = Suspected infection IF = Infection case W = Repetition I = Inspection

For a blank sheet of a disinfection book see § 6.

The recommended disinfectants for scrubbing (based on the list provided by the Robert Koch Institute, RKI) are standing in the table below. The current state of the disinfectants included in the RKI list can be obtained from the Robert Koch Institute (RKI) (homepage: www.rki.de).

Active substance	Product name	Laundry disinfection		Surface disinfection (scrubbing-/wiping disinfection)		Disinfection of excretions 1 part sputum or stools + 2 parts diluted solution or 1 part urine + 1 part diluted solution						Area of effectiveness	Manufacturer or Supplier
		Diluted solution	Time to take effect	Diluted solution	Time to take effect	Sputum		Stools		Urine			
						Diluted solution	Time to take effect	Diluted solution	Time to take effect	Diluted solution	Time to take effect		
		%	Hr.	%	Hr.	%	Hr.	%	Hr.	%	Hr.		
Phenol or phenol derivative	Amocid	1	12	5	6	5	4	5	6	5	2	A	Lysoform
	Gevisol	0,5	12	5	4	5	4	5	6	5	2	A	Schülke & Mayr
	Helipur			6	4	6	4	6	6	6	2	A	B. Braun
	m-cresylic soap solution (DAB 6)	1	12	5	4							A	
	Phenol	1	12	3	2							A	
Chlorine, organic or inorganic substances with active chlorine	Chloramin-T DAB 9	1,5	12	2,5	2	5	4					A ¹ B	
	Clorina	1,5	12	2,5	2	5	4					A ¹ B	Lysoform
	Trichlorol	2	12	3	2	6	4					A ¹ B	Lysoform
Per combinations	Apesin AP100 ²			4	4							AB	Tana PROFESSIONAL
	Dismozon pur ²			4	1							AB	Bode Chemie
	Perform ²			3	4							AB	Schülke & Mayr
	Wofesteril ²			2	4							AB	Kesla Pharma
Formaldehyde and/or other aldehydes or derivatives	Aldasan 2000			4	4							AB	Lysoform
	Antifect FD 10			3	4							AB	Schülke & Mayr
	Antiseptica surface disinfection 7			3	6							AB	Antiseptica
	Apesin AP30			5	4							A	Tana PROFESSIONAL
	Bacillocid special			6	4							AB	Bode Chemie
	Buraton 10F			3	4							AB	Schülke & Mayr
	Desomed A 2000			3	6							AB	Desomed
	Hospital disinfectant cleaner			8	6							AB	Dreiturm
	Desomed Perfekt			7	4							AB*	Desomed
	Formaldehyde-solution (DAB 10), (formaline)	1,5	12	3	4							AB	
	Incidin Perfekt	1	12	3	4							AB	Ecolab
	Incidin Plus			8	6							A	Ecolab
	Kohrsolin	2	12	3	4							AB	Bode Chemie
	Lysoform	4	12	5	6							AB	Lysoform
	Lysoformin	3	12	5	6							AB	Lysoform
	Lysoformin 2000			4	6							AB	Lysoform
	Melsept	2	12	4	6							AB	B. Braun
	Melsitt	4	12	10	4							AB	B. Braun
	Minutil	2	12	6	4							AB	Ecolab
	Multidor			3	6							AB	Ecolab
	Nüscosept			5	4							AB	Dr. Nüsken Chemie
Optisept			7	4							AB*	Dr. Schumacher	
Pursept-FD			7	4							AB*	Merz	
Ultrasol F	3	12	5	4							AB	Fresenius Kabi	
Amphoteric surfactants (amfotensiden)	Tensodur 103	2	12									A	MFH Marienfelde
Lye	Lime-milk ³							20	6			A ³ B	

1 Not effective against myco-bacteria when service disinfecting, especially in the presence of blood.
 2 Not suitable for disinfecting blood-contaminated or porous surfaces (e.g. raw wood).
 3 Useless for tuberculosis; preparation of Lime-milk: 1 part dissolved lime (calcium hydroxide) + 3 parts water.
 * Checked for effectiveness on viruses in accordance with checking methods of the RKI (Federal Health Reporting 38 (1995) 242).
 A: Suitable for killing vegetative bacterial germs including myco-bacteria as well as fungi, including fungal spores.
 B: Suitable for deactivating viruses.

Table 2: Disinfectants

Kindly consult your specialist dealer if you have queries on matters related to disinfection; he will gladly assist you.

2 Warranty

Defects must be reported in writing within 2 weeks.

Excerpt from the "General Business Conditions":

(...)

5. The terms of the guarantee may differ from country to country. Consult your specialist dealer for the guarantee period for warranty claims.

(...)

The guarantee excludes damage arising from structural changes to our products, insufficient maintenance, defective or improper handling or storage or the use of non-original parts. Likewise, the guarantee excludes parts or working parts subject to natural wear and tear.

(...)

3 Disposal



When disposing of the electric liftchair observe local regulations or contact your local disposal centre or return the product to your specialist dealer who, after submitting it to a hygienic procedure, will be able to send it back to the manufacturer who will dispose of and recycle it correctly, separating it into its component materials.

The manufacturer is responsible for taking back and recycling the electric wheelchair and shall meet the requirements of European Directive 2002/96/EC on Waste Electrical and Electronic Equipment.

Packaging materials can be taken to disposal or recycling centers or to your specialist dealer.

4 Declaration of conformity

The manufacturer or his authorized representative :

N.V. VERMEIREN N.V

Address :

Vermeirenplein 1/15

2920 Kalmthout

Belgium

declares under his sole responsibility that the CE marked devices :

Productgroup: Liftchair

Productgroup (GMDN): Chair, disabled person (GMDN 10796)

FAMHP (FAGG) registration

number: BE/CA01/11/2-02965-31-CLI

Brand: Vermeiren

Type: Montreal, Ontario, Vancouver

have been classified as class I, according to annex IX MDD 93/42/EEC, rule 12,

and is manufactured in full conformity with the European instructions below - including the latest modifications - and with the national law, that organizes this directions :

Medical devices directive MDD 93/42/EEC: 2007

and is in conformity with the relevant European harmonized standards:

EN 12182: 2012



5 Maintenance plan

Date	Maintenance	Remarks	Paraph
1/1/2014	General servicing	non	

6 Disinfection book

Date of the disinfection	Reason	Specification	Substance and concentration	Signature

Abbreviations used in column 2 (reason):
V = Suspected infection IF = Infection case W = Repetition I = Inspection



SERVICE

The liftchair was serviced:

Dealer's stamp:
Date:

Dealer's stamp:
Date:

Dealer's stamp:
Date:

Dealer's stamp:
Date:

Dealer's stamp:
Date:

Dealer's stamp:
Date:

Dealer's stamp:
Date:

Dealer's stamp:
Date:

Dealer's stamp:
Date:

Dealer's stamp:
Date:

- For service checklists an additional technical information, please see our specialist dealers nearest to you. More information on our website at: www.vermeiren.com.

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