

User manual

MANUEL D'UTILISATION
GEBRUIKSAANWIJZING
GEBRAUCHSANWEISUNG
MANUALE DI ISTRUZIONI
MANUAL DE INSTRUCCIONES
INSTRUKCJA OBSŁUGI
NÁVOD K OBSLUZE

Inovys II + L70



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Preface

Congratulations! You are now owner of a Vermeiren wheelchair with granule seat system!

This wheelchair is made by qualified and committed personnel. It is designed and produced according to high quality standards, guarded by Vermeiren.

Please read this manual carefully; it will help you to get familiar with the operation, capabilities and limitations of your wheelchair.

If you still have questions after reading this manual, do not hesitate to contact your specialist dealer. He/she will be glad to help you.

Important note

To ensure your safety, and to prolong the lifetime of your product, please take good care of it and have it checked and serviced on a regular basis.

This manual reflects the latest product developments. Vermeiren has the right to implement changes to this type of product without any obligation to adapt or replace similar products previously delivered.

Pictures are used to clarify the instructions in this manual. Details of the depicted product may deviate from your product.

Information available

On our website <http://www.vermeiren.com/> you will always find the most recent version of the information in this manual. Please consult this website regularly for possible updates.

Visually impaired people can download the electronic version of this manual and have it read out by means of a text-to-speech software application.



User manual of granule seat system

For user and specialist dealer



User manual of Inovys II

For user and specialist dealer



Installation instructions

For specialist dealer



Service manual for wheelchairs

For specialist dealer



EC declaration of conformity

1 Your product

The granule seat system L70 in combination with the Inovys II wheelchair provides the user with the utmost comfort by adjusting to the body contours.



1. Headrest
2. Brakes
3. Backrest
4. Arm pads (optional)
5. Seat
6. Leg rest

1.1 Accessories

The following accessories are available:

- Terry cover

2 Before use

2.1 Intended use

- The granule seat system is designed to be used in combination with the Inovys II wheelchair with T30 wheel system and frame alterations for the granule seat system.
- Indications and contraindications: The wheelchair with granule seat system is intended for passive wheelchair users, such as elderly people or people with walking difficulties or no walking abilities (e.g. paralysis, loss of limbs, limb defects or deformations, stiff or damaged joints, heart insufficiencies and poor blood circulation, balance disturbances, cachexia (decrease in muscle), ...). The user has the wheelchair pushed by an attendant.
- This wheelchair is suitable for indoor and outdoor use.
- This wheelchair is designed and produced solely to transport/transfer one (1) person with a maximum weight of 135kg. It is not designed for transportation of goods or objects, nor for any use other than previously described.
- Only use accessories and spare parts approved by Vermeiren.
- Please read all technical details and limits of your wheelchair in chapter 6.
- The warranty on this product is based on normal use and maintenance as described in this manual. Damage to your product caused by improper use or lack of maintenance will cause the warranty to lapse.

2.2 General safety instructions

 CAUTION Risk of injuries and/or damage

Carefully read and follow the instructions in this manual. Otherwise you may get injured or your wheelchair may get damaged.

Keep the following general warnings in mind during use:

- As the attendant, do not operate the wheelchair if you are under influence of alcohol, medicines or other substances that may influence your riding abilities.
- Be aware that some parts of your wheelchair may get very hot or cold due to ambient temperature, solar radiation or heating devices. Be careful when touching. Wear protective clothing if the weather is cold.
- Do not modify your wheelchair in any way.

Be aware that your wheelchair may interfere with some types of anti-theft systems, depending on the settings used. This may cause the shop's alarm to go off.

2.3 Symbols on the wheelchair



Maximum weight of the user in kg



Indoor/outdoor use



Maximum safe slope in ° (degrees).



Type designation

2.4 Transport

Follow the instructions for the Inovys II wheelchair concerning transport.

2.5 Storage

- i** Make sure that your wheelchair is stored in a dry environment to prevent mould from growing and the upholstery from being damaged, see also chapter 6.

3 Using your wheelchair


WARNING

Risk of injuries

- First read previous chapters and inform yourself about the intended use. Do NOT use your wheelchair unless you have read and fully understood all instructions.
- In case of doubts or questions, do not hesitate to contact your local specialist dealer, your care provider or technical adviser to help you with this.

3.1 Transfer in and out of the wheelchair


CAUTION

Risk of injuries

- In case you cannot perform the transfer in a safe manner, ask someone to assist you.
 - Do not stand on the footplates.
1. Position the wheelchair as close as possible to the chair, couch or bed to/from you wish to transfer.
 2. Make sure that both brakes of the wheelchair are activated.
 3. Fold the footplates upwards to prevent standing on them.
 4. Transfer to/from the wheelchair with the help of an attendant or lifting equipment.

3.1.1 Correct position in the wheelchair

Some recommendations for a comfortable use of the wheelchair:

- Position your backside as close as possible to the backrest.
- Make sure your upper legs are horizontal.

3.2 Drum brakes


CAUTION

Risk of injuries

- Make sure that the wheelchair is on a flat horizontal surface before releasing the brakes.
- Never release both brakes simultaneously.
- To park or stop on a slope, use the parking brakes after coming to a halt.
- Brakes may only be adjusted by your specialist dealer.

To operate the drum brakes:

1. Pull the brake levers (1) in a squeeze motion.
2. Each brake lever (1) can be blocked by pushing the lock lever (2) down with your finger.
3. Release the brake levers (1).

To move/ride again:

1. Pull the brake levers (1) in a squeeze motion. The lock lever (2) is released by this movement.
2. Hold the handgrips firmly, while releasing the brake levers (1).



3.3 Comfort adjustments

3.3.1 Backrest and seat inclination

The seat inclination and backrest inclination can be adjusted simultaneously or separately by an attendant. Make sure that the patient sits in the chair when the attendant adjusts the backrest inclination and that the wheelchair does not tip over.

Seat inclination:



1. Squeeze the lever (3) on the left handle (see label) towards the handle to adjust the seat inclination.
2. Pull/Push the seat in the desired position (0° to + 30°), the gas pressure spring shall be pressed in/out.
3. Loosen the lever (3) to block the gas pressure spring.



Backrest inclination:



1. Squeeze the lever (3) on the right handle (see label) towards the handle to adjust the angle of the backrest.
2. Pull/Push the backrest in the desired position (0° to + 45°), the gas pressure spring shall be pressed in/out.
3. Loosen the lever (3) to block the gas pressure spring.

3.3.2 Leg rest inclination

The leg rest is adjustable in 6 positions.

1. Slightly loosen the star knob (4) on both sides of the leg rest.
2. Lift/Lower the leg rest until the desired angle is reached.
3. Tighten the star knobs (4) again firmly.



3.3.3 Footplate angle

The footplate is adjustable in 3 positions.

1. Slightly loosen the star knob (5) on both sides of the footplate.
2. Turn the footplate up/down until the desired angle is reached.
3. Tighten the star knobs (5) again firmly.

3.3.4 Headrest

The headrest is fully adjustable in height and angle. To alter the position of the headrest: loosen any lever/star knob as specified below, adjust the headrest to the desired position, and retighten firmly.

- [6] To adjust the headrest sideways.
- [7] To rotate the headrest (360°).
- [8] To adjust the headrest forward/backward.
- [9] To adjust the height of the headrest.

To remove the headrest, loosen lever (9) and lift the headrest out of the support.



4 Installation and adjustments



CAUTION

Risk of injuries or damage

- The wheelchair needs to be (dis)assembled and adjusted by a specialist dealer according to the instructions in this chapter.
- Only use parts and tools described in this manual.
- While (dis)assembling and operating the wheelchair, make sure no objects or body parts get caught between moving parts.
- Make sure all screws are firmly secured before driving.



Important remarks

- Be aware of the technical details and limits of intended use.
- For more information, contact Vermeiren.

4.1 Tools

To (dis)assemble and adjust the wheelchair, the following tools are needed:

- Allen keyset n° 4

4.2 Scope of delivery

The following items are part of the delivery:

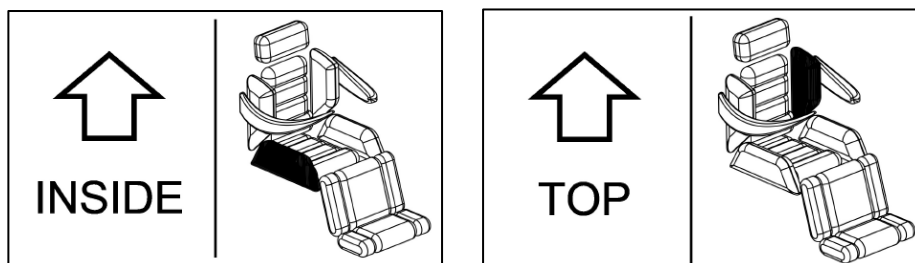
- Framework with seat, backrest, wheels, armrests, leg rest, and L70 granule seat system
- Headrest
- User manual

Before use, check if everything is included and that no products are damaged. Please note that the basic configuration may differ in different European countries. Contact your specialist dealer.

4.3 Assembly

The wheelchair is delivered fully assembled except for the headrest, the side support pillows of the backrest and seat, and the optional arm pads.

- The headrest can be mounted and adjusted according to the instructions in §3.3.4 .
- The pillows are easy to attach by means of the zippers. The label on each pillow indicates the specific place and direction of the pillow (see examples below).



4.4 Adjustments

4.4.1 Leg rest length

The length of the leg rest can be adjusted in 4 positions.

1. Take off the L70 granule cushions (1) from the leg rest frame.
2. Remove the lower foam protection (2) from the leg rest tubes.
3. Loosen and remove the screw-nut connection (3) on both sides of the leg rest.
4. Move the inner tubes with foot plate up/down in the outer frame tubes until the desired length is reached.
5. Replace the screws (3) and tighten firmly by hand.
6. Replace the foam protection (2).
7. Reattach the granule cushions (1) to the leg rest frame.



5 Maintenance

Observe the maintenance instructions in the manual of Inovys II.

5.1 Points of maintenance



CAUTION

Risk of injuries and damage

Repairs and replacements may only be undertaken by trained persons and only genuine replacement parts of Vermeiren should be used.

i The service frequency depends on the frequency and intensity of use. Contact your dealer to agree to a common timetable for inspection/maintenance/repair.

For the maintenance manual, refer to the Vermeiren website: www.vermeiren.com.

Before each use

Inspect the following points:

- All parts: Present and undamaged or unworn.
- All parts: Clean.
- Seat, calf rests, arm pads, footplates: Well secured.
- All zippers: closed.
- Condition of frame parts: No deformation, instability, weakness or loose connections
- Seat, backrest, arm pads, footrest and head rest: No excessive wear (like dented spots, damage or tears).
- Brakes: Undamaged and functioning.

Contact your specialist dealer for possible repairs or part replacements.

Yearly or more often

Have your wheelchair inspected and serviced by your specialist dealer, at least once a year, or more often. The minimum maintenance frequency depends on use and should therefore be commonly agreed upon with your specialist dealer.

5.2 Maintenance instructions

5.2.1 Cleaning

The granule seat cushions can be cleaned with a damp cloth (not drenched), and mild household soap if necessary. The teddy covers can be machine washed at 60° C. Do not use abrasive cleaning agents.

5.3 Expected lifespan

The average lifespan of your wheelchair is 5 years. Depending on the frequency of use, driving circumstances and maintenance, the lifespan of your wheelchair will increase or decrease.

5.4 Reuse

Before each reuse, have the granule seat system disinfected, inspected and serviced according to the instructions in the Inovys II manual.

5.5 End of use

At end of life, you need to dispose your wheelchair according to the local environmental legislation. The best way to do so, is to disassemble the wheelchair to facilitate the transport of recyclable parts.

6 Technical specifications

Technical terms below are valid for the wheelchair in standard settings. If other footrests / armrests or other accessories are used, the tabulated values will change.

Make	Vermeiren
Type	Manual wheelchair
Model	Inovys II with granule seat system L70
Maximum occupant mass	135 kg

Description	Min. dimensions	Max. dimensions
Overall length with footrest	1280 mm	
Effective seat width	450 mm	500 mm
Overall width	680 mm	730 mm
Overall height (without headrest)	990 mm	1060 mm
Total mass	38 kg	
Mass of heaviest part	33 kg	
Masses of parts that can be dismantled or removed	Armrests: 3,2 kg; Headrest: 1,85 kg	
Static stability downhill	10° (in standard configuration)	
Static stability uphill	15° (in standard configuration)	
Static stability sideways	12° (in standard configuration)	
Obstacle climbing	60 mm	
Seat plane angle	0°	30°
Effective seat depth	460 - 520 mm	
Seat surface height at front edge	510 mm	580 mm
Backrest angle	0°	45°
Backrest height	550 - 600 mm	
Distance between footrest and seat	360 - 385 - 410 - 435 mm	
Angle between seat and footrest	17° - 85°	
Angle between leg footrest and footplate	73° - 107°	
Distance between arm pad and seat	220 mm	320 mm
Front location of arm pad structure	460 mm	490 mm
Horizontal location of axle (deflection)	-8 mm	41 mm
Minimum turning radius	1500 mm	
Diameter PU Rear wheels	16"	
Diameter PU steering wheels	200 mm	
Storage and use temperature	+ 5 °C	+ 41 °C
Storage and use humidity	30%	70%
We reserve the right to introduce technical changes. Measurement tolerance ± 15 mm / 1,5 kg / 1,5°		

**Service registration form**

This product (name):

was inspected (I), serviced (S), repaired (R) or disinfected (D):

By (stamp): Kind of work: I / S / R / D Date:	By (stamp): Kind of work: I / S / R / D Date:	By (stamp): Kind of work: I / S / R / D Date:
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Instructions for specialist dealer

This instruction manual is part and parcel of the product and must accompany every product sold.

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