

Mobility Kit for AmoVes 200X English Translation of the User Manual

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1 General information

This user manual for the **Mobility Kit** contains all the necessary information for safe and intended use.

During this activity, observe the following safety instructions:



WARNING

Failure to observe this user manual and the safety information!

Injury of personnel and damage to the product.

- Carefully read through this user manual before using the Mobility Kit. The user manual contains important information concerning use.
 - Only use the Mobility Kit in the way described in this user manual.
 - Keep the user manual together with the Mobility Kit for reference and for future users.
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1.1 Intended use

The **Mobility Kit** has been developed for the purpose of transporting the **AmoVes 200X** phantom system in personal hand baggage without its transportation case.

During this activity, observe the following safety instructions:



CAUTION

Improper transportation of the phantom system when using the Mobility Kit!

Damage to the product and phantom system.

- The Mobility Kit can be used to transport the phantom system in personal hand baggage.
 - Protect the transportation reservoir and circulation reservoir from the application of direct force.
 - Always transport the transportation reservoir containing the phantom body and the circulation reservoir in a sufficiently large and padded item of baggage.
 - Transportation of the phantom system in the Mobility Kit by third parties (for example, freight carriers, airlines, or parcel services) is not permitted. In this case, always use the phantom system transportation case provided.
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1.2 Users

The **Mobility Kit** must only be used by adults with sufficient technical knowledge and who have read and understood this user manual.

During this activity, observe the following safety instructions:



CAUTION

Improper use!

Injury of personnel or the patient and damage to the product.

- The Mobility Kit must only be used in combination with the phantom system by persons of legal age with sufficient technical knowledge.
 - The Mobility Kit may be used in combination with the phantom system by persons of reduced physical, sensory, or mental ability, or persons with a lack of experience and/or knowledge as long as they are supervised or instructed in its safe use and have understood the resulting risks.
 - Keep the Mobility Kit and its accessories out of the reach of children.
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1.3 Product description

By clipping on the two transportation frames of the **Mobility Kit**, the phantom body of the **AmoVes 200X** can be tightly and firmly fitted into the provided transportation tank provided and transported. The configuration of the transportation frames ensures that a safe distance is maintained between the phantom body connections and the transportation tank wall. The shock-absorbing support of the phantom body provided by the corner supports and slide-on support of the transportation frame prevents the surface of the phantom body from being damaged. The supporting brackets of the transportation frames keep the supported phantom body suspended.

Phantom body with transportation frames attached and transportation reservoir.



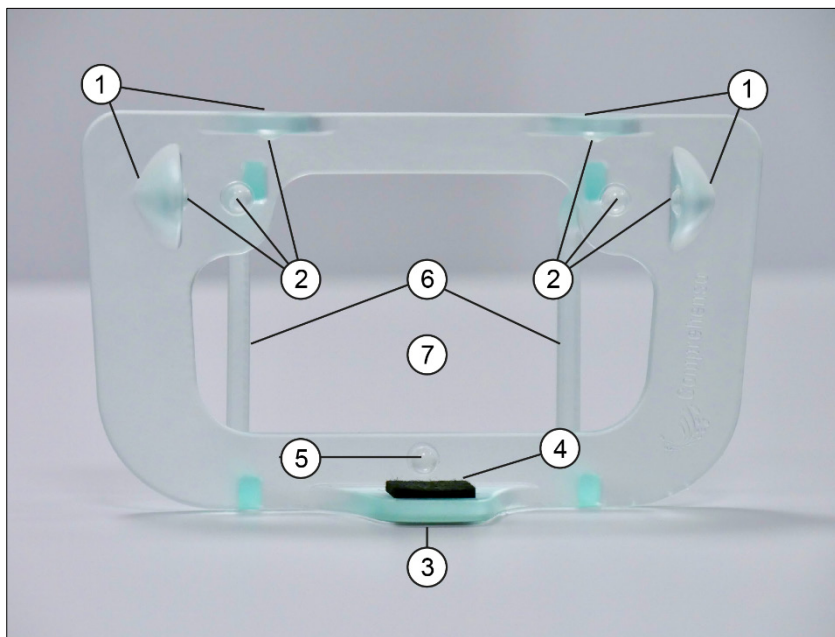
1.4 Scope of delivery

The scope of delivery of the **Mobility Kit** contains the following:

1.4.1 Transportation frames

The **Mobility Kit** contains two transportation frames.

View from above onto the transportation frame



- 1 Corner supports
- 2 Rubber shock-absorbers in the corner supports
- 3 Slide-on support
- 4 Felt sliding pad in slide-on support
- 5 Rubber shock-absorber on slide-on support
- 6 Supporting brackets
- 7 Central opening (for the phantom connections)

1.4.2 Transportation reservoir

Transportation reservoir



- 1 Reservoir lid
- 2 Transportation tank (3.7 l)

1.4.3 Transportation backpack

Transportation backpack



1 Transportation backpack

2 Safety instructions

To make safe use of the phantom system possible and ensure the safety of persons, the following warning and safety instructions must be observed.

Safety instructions are provided both in this chapter on safety and within the context of each potentially dangerous situation. Always read the safety instructions in the context of the current situation in order to ensure that you have understood them fully.

WARNINGS and **CAUTIONS** are indicated as follows in the text:



WARNING

A warning in this user manual means that death, serious injury, or considerable material damage can occur if the warnings are not observed.



CAUTION

A caution in this user manual means that moderate injury or material damage can occur if the cautions are not observed.



NOTE

A note in this user manual provides important information about the product or refers to the relevant part of the instructions to which your attention is particularly drawn.

The warnings and cautions are structured as follows:



WARNING

Description of the hazardous situation: Formation of toxic gases due to improper mixing of liquids!

Description of the danger: Danger to life.

- **Description of the measures to avoid the danger:** Never mix disinfectants and descaling solution, as toxic gases can form.

2.1 General safety instructions

To ensure safe use of the **Mobility Kit**, its owner must make sure that every user has read and understood that content of this user manual. The user manual contains safety instructions relevant to the user.

Observe the following general safety instructions.



WARNING

Failure to observe this user manual and the safety information!

Injury of personnel and damage to the product.

- Carefully read through this user manual before using the Mobility Kit. The user manual contains important information concerning use.
 - Only use the Mobility Kit in the way described in this user manual.
 - Keep the user manual together with the Mobility Kit for reference and for future users.
-



CAUTION

Improper use!

Injury of personnel or the patient and damage to the product.

- The Mobility Kit must only be used in combination with the phantom system by persons of legal age with sufficient technical knowledge.
 - The Mobility Kit may be used in combination with the phantom system by persons of reduced physical, sensory, or mental ability, or persons with a lack of experience and/or knowledge as long as they are supervised or instructed in its safe use and have understood the resulting risks.
 - Keep the Mobility Kit and its accessories out of the reach of children.
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2.2 Safety instructions for preparing for transportation

Observe the following safety instructions when preparing the phantom system for transportation using the [Mobility Kit](#).



CAUTION

Use of defective components of the Mobility Kit!

Damage to the phantom system.

- Inspect both transportation frames to ensure that they are intact before use. Incomplete or broken transportation frames must not be used.
- All three support points on which the phantom body rests in both corner supports of each transportation frame must be fitted with rubber shock-absorbers.
- The support point on which the phantom body rests in the slide-on support of the transportation frames must be fitted with a felt sliding pad.
- Inspect the transportation reservoir to ensure that it is intact before use. Never use a defective transportation reservoir.



CAUTION

Unprofessional repair of defective components!

Injury of personnel and incorrect functioning and/or damage to the product.

- Defective parts must always be replaced with original parts. Components must only ever be repaired by qualified personnel. Do not perform repairs yourself but contact the manufacturer.



CAUTION

Dropping the phantom body when attaching or removing the transportation frames!

Injury of personnel, damage to product, and further material damage.

- The phantom body is slippery when it is damp. Dry the exterior of the phantom body before attaching the transportation frames and placing the phantom body in the transportation reservoir.
- When the transportation frames are attached, only ever hold the phantom body directly by the phantom body.

2.3 Safety instructions for transportation

Observe the following safety instructions when transporting the phantom system using the **Mobility Kit**.



CAUTION

Improper transportation of the phantom system when using the Mobility Kit!

Damage to the product and phantom system.

- The Mobility Kit can be used to transport the phantom system in personal hand baggage.
- Protect the transportation reservoir and circulation reservoir from the application of direct force.
- Always transport the transportation reservoir containing the phantom body and the circulation reservoir in a sufficiently large and padded item of baggage.
- Transportation of the phantom system in the Mobility Kit by third parties (for example, freight carriers, airlines, or parcel services) is not permitted. In this case, always use the phantom system transportation case provided.

2.4 Safety instructions for transportation follow-up

Observe the following safety instructions after transporting the phantom system using the **Mobility Kit**.



CAUTION

Escaping liquids!

Damage to electrical devices (e.g. angiography device).

- Inspect the circulation reservoir, the transportation reservoir, the phantom body, and accessories of the phantom system for damage after transportation using the Mobility Kit. Defective components must no longer be used!
- Escaping liquids could damage electrical devices located in the vicinity, e.g. the angiography device.



CAUTION

Dropping the phantom body when attaching or removing the transportation frames!

Injury of personnel, damage to product, and further material damage.

- The phantom body is slippery when it is damp. Dry the exterior of the phantom body before attaching the transportation frames and placing the phantom body in the transportation reservoir.
- When the transportation frames are attached, only ever hold the phantom body directly by the phantom body.

3 Use of the Mobility Kit

3.1 Preparing for transportation

During this activity, observe the following safety instructions:



CAUTION

Use of defective components of the Mobility Kit!

Damage to the phantom system.

- Inspect both transportation frames to ensure that they are intact before use. Incomplete or broken transportation frames must not be used.
 - All three support points on which the phantom body rests in both corner supports of each transportation frame must be fitted with rubber shock-absorbers.
 - The support point on which the phantom body rests in the slide-on support of the transportation frames must be fitted with a felt sliding pad.
 - Inspect the transportation reservoir to ensure that it is intact before use. Never use a defective transportation reservoir.
-



CAUTION

Unprofessional repair of defective components!

Injury of personnel and incorrect functioning and/or damage to the product.

- Defective parts must always be replaced with original parts. Components must only ever be repaired by qualified personnel. Do not perform repairs yourself but contact the manufacturer.
-



CAUTION

Dropping the phantom body when attaching or removing the transportation frames!

Injury of personnel, damage to product, and further material damage.

- The phantom body is slippery when it is damp. Dry the exterior of the phantom body before attaching the transportation frames and placing the phantom body in the transportation reservoir.
 - When the transportation frames are attached, only ever hold the phantom body directly by the phantom body.
-



PREPARATION

If the phantom system has been used before it is transported, perform the following steps:

- ✓ *Emptying the phantom system*
- ✓ *Rinsing the phantom system*
- ✓ *Disinfecting the phantom system (see user manual of the phantom system)*



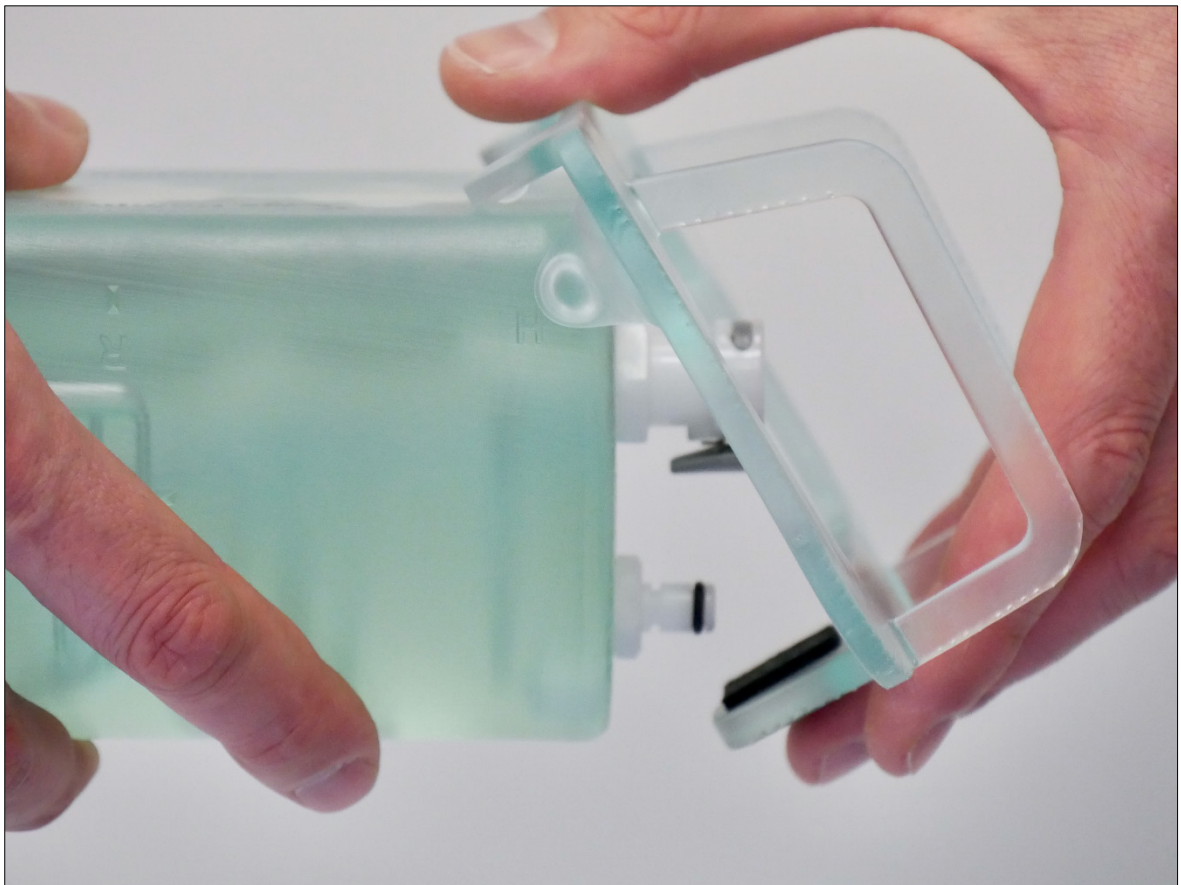
Alternatively, the phantom system can be disinfected immediately after *transportation* with the Mobility Kit during *transportation follow-up*.



WORK STEPS

1. Place the opened transportation reservoir on a solid surface.
2. At the head end of the phantom body, clip a transportation frame by the corner supports onto the straight edge of the phantom body.

Clipping the transportation frame onto the phantom body



3. Push the convex surface of the phantom body via the slide-on supports into the transportation frame. The transportation frame should now be securely fixed around the phantom body.
4. In the same way, secure the second transportation frame to the foot end of the phantom body

5. Hold the phantom body with both hands. Place the phantom body secured between the transportation frames into the transportation tank with the convex surface facing downward.

The phantom body in the transportation frames stowed in the transportation tank



6. If you have already performed *Disinfecting the phantom system*, place the bag with drying agent next to the phantom body in the transportation tank.
7. Close the transportation tank with a reservoir lid.



The circulation reservoir and the transportation reservoir are of identical design.

If necessary, for example, if one of the tanks is damaged during transportation, the undamaged tank can be used as the circulation tank.

Alternatively, the transportation tank with the phantom body contained in it can also be closed using the reservoir lid of the circulation reservoir. The tube of the return flow socket fits next to the supporting brackets of the transportation frame.

This method is particularly suitable for transporting small parts in the circulation tank (for example, syringes, tubes, or needles) because they cannot escape through the central opening in the reservoir lid.

8. Place the remaining phantom components required for operation in the circulation reservoir. Close the circulation reservoir with a reservoir lid.
9. Place the closed transportation reservoir and circulation reservoir in the transportation backpack provided and close the backpack.



The phantom system is now ready for transportation.

3.2 Transportation

During this activity, observe the following safety instructions:



CAUTION

Improper transportation of the phantom system when using the Mobility Kit!

Damage to the product and phantom system.

- The Mobility Kit can be used to transport the phantom system in personal hand baggage.
- Protect the transportation reservoir and circulation reservoir from the application of direct force.
- Always transport the transportation reservoir containing the phantom body and the circulation reservoir in a sufficiently large and padded item of baggage.
- Transportation of the phantom system in the Mobility Kit by third parties (for example, freight carriers, airlines, or parcel services) is not permitted. In this case, always use the phantom system transportation case provided.



PREPARATION

You have completed the following preparatory steps:



Preparing for transportation



WORK STEPS

Transport the phantom system to its destination in the transportation backpack provided.



For reasons of stability, the transportation reservoir should be placed in the transportation backpack so that the phantom body is at the bottom.

3.3 Transportation follow-up

During this activity, observe the following safety instructions:



CAUTION

Escaping liquids!

Damage to electrical devices (e.g. angiography device).

- Inspect the circulation reservoir, the transportation reservoir, the phantom body, and accessories of the phantom system for damage after transportation using the Mobility Kit. Defective components must no longer be used!
- Escaping liquids could damage electrical devices located in the vicinity, e.g. the angiography device.



CAUTION

Dropping the phantom body when attaching or removing the transportation frames!

Injury of personnel, damage to product, and further material damage.

- The phantom body is slippery when it is damp. Dry the exterior of the phantom body before attaching the transportation frames and placing the phantom body in the transportation reservoir.
- When the transportation frames are attached, only ever hold the phantom body directly by the phantom body.



WORK STEPS

1. Open the reservoir lid of the transportation reservoir.
2. Remove the phantom body from the transportation reservoir.
3. One after the other, remove both transportation frames by pivoting the phantom body out of the slide-on support and then pulling it out of the corner supports.
4. If necessary and not already done, perform *Disinfecting the phantom system*.
5. Store the phantom body and accessories in the transportation case of the phantom system as instructed in the user manual of the phantom system.

4 Manufacturer and service

Manufacturer: Comprehenso GmbH
Sophie-Küppers-Str. 50
30559 Hanover
Germany
www.comprehenso.de

Service contact: phantom-support@comprehenso.de