

Instruction Manual

Treatment Table MLK Physio



Fig. similar: colour and equipment may vary depending on model.

Gharieni Group GmbH Am Schürmannshütt 24 D - 47441 Moers

➤ Phone:	+49 (0)2841/88300-0
➤ Fax:	+49 (0)2841/88300-999
Customer service hotline:	+49 (0)2841/88300-40
E-mail:	service@gharieni.com
➤ Web:	www.gharieni.com

Empty field for entering the **SERIAL NUMBER**. The serial number of the MLK Physio is on the rating plate (s. chapter 7. RATING PLATE).

PREFACE

Dear Customer,

we would like to thank you for purchasing this quality-product as well as for your confidence. **Read the complete IM before you use the MLK Physio for the first time.** Reading the complete IM is essential for its proper and confident use and will help you to operate the MLK Physio to your entire satisfaction. Our MLK Physio is very robust and has a long operating life if it is operated properly.

Read the instructions very carefully and operate the MLK Physio in its intended use as described only to protect you and your customers from danger. Keep the IM handy and near of the MLK Physio.

MAKE SURE THAT THIS MANUAL IS AVAILABLE TO ANYONE USING THE MLK PHYSIO AND MAKE SURE THAT IT HAS BEEN READ AND UNDERSTOOD PRIOR TO USING THE TREATMENT TABLE.

⚠ WARNING! Failure to follow these instructions endangers the operator's health and life and / or can damage the MLK Physio.

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Do not dispose of the MLK Physio together with your domestic waste. The treatment table must be disposed of at a collecting centre for recyclable electric and electronic appliances. Do not remove the symbol from the MLK Physio.

1. Safety information

When using electrical products / appliances, especially when children are present, basic safety precautions should always be followed, including the following:

READ THE COMPLETE SAFETY INFORMATION AND SAFETY INSTRUCTIONS CAREFULLY BEFORE YOU OPERATE THE MLK PHYSIO THE FIRST TIME.

- All information included in those pages serve for the protection of the operator. If you ignore the safety information and safety instructions, you will endanger your health and life and as the health and life of your clients.
- ➤ MAKE SURE THAT THIS MANUAL IS AVAILABLE TO ANYONE USING THE GHARIENI TREATMENT TABLE MLK PHYSIO AND MAKE SURE THAT IT HAS BEEN READ AND UNDERSTOOD PRIOR TO USING THE TREATMENT TABLE.
- ➤ This instruction manual is an integral part of the product and must be carefully kept in a safe place in order to consult it throughout the equipment service life. Copies of this instruction manual are available upon request.
- The Gharieni Group GmbH shall not be held responsible for any damages, direct or indirect, caused to people, animals or objects resulting from negligence or non-compliance with the instructions contained herein.
- ➤ Before you dispose of a treatment table or any old appliance, **render it inoperative**. Unplug the treatment table / appliance and cut off the entire power cord. Dispose of the power cord and the plug immediately.

★ Store this manual in a safe place so you can use it whenever it is needed. Strictly observe the instructions to avoid damage to persons and property.

1.1 Abbreviations

MLK Physio GHARIENI TREATMENT TABLE MLK Phy	
MCP	➤ MANUAL CONTROL PANEL
	> Operating advice

1.2 Signal words

DANGER! indicates a hazardous situation which, if ignored, will result in death or serious injury.

⚠ **WARNING!** indicates a hazardous situation which, if ignored, could result in death or serious injury.

⚠ CAUTION! indicates a hazardous situation which, if not avoided, may result in minor or moderate injury.

NOTICE! indicates possible damage to the treatment table / appliance.

1.3 Safety instructions

△ DANGER

To reduce the risk of electrocution:

- Non-compliance of the orders of this instruction manual will endanger the life and health of the operator and / or can result in damages to the MLK Physio.
- 2. All electrical work to connect the MLK Physio to the mains must be carried out by a qualified professional. Do not modify the energy supply. The connection must be carried out in accordance with the current local and legal regulations. RISK OF ELECTRIC SHOCK!
- 3. The technical data of your energy supplier **must** meet the data on the model plate of the MLK Physio.
- 4. Do not modify the plug provided with the MLK Physio, if it will not fit the outlet, have a proper outlet installed by a qualified electrician (**not covered by the guarantee**).

- 5. Do not connect the MLK Physio to the mains if the treatment table itself or the power cable or the plug are visibly damaged. RISK OF ELECTRIC SHOCK!
- 6. The power supply cable shall not be placed below the MLK Physio, except it is expressly permitted by the manufacturer. RISK OF ELECTRIC SHOCK!
- 7. The power cord must not be placed near the movable parts of the MLK Physio during connection or repositioning as it can be damaged while operating the actuators. RISK OF ELECTRIC SHOCK!
- 8. Never roll¹ the MLK Physio over the power cord; otherwise you can damage the power cord permanently.
- 9. Never try to repair the MLK Physio yourself. If the MLK Physio does not operate properly, please contact the manufacturer or the shop you purchased the treatment table at. Original spare parts should be used only.
- 10. When the power cable and / or the plug are damaged, it must be replaced by the manufacturer or an authorized aftersales service or a qualified professional only. Never try to repair or replace the power cable and / or the plug yourself. RISK OF ELECTRIC SHOCK!
- 11. **Always** unplug the MLK Physio if it is not used for a longer period of time.
- 12. Always disconnect the MLK Physio from the mains before cleaning and / or maintenance. RIKS OF ELECTRIC SHOCK!
- 13. **Never** pull the power supply cable to unplug the MLK Physio. Always use the power plug itself to unplug the treatment table. RISK OF ELECTRIC SHOCK!
- 14. **Never** touch power plugs, power switches or other electrical components with wet or damp hands. RISK OF ELECTRIC SHOCK!
- 15. Do not place or store the MLK Physio close to a bath, a shower or a washbasin. There is danger that the MLK Physio may come into contact with splashed water. RISK OF ELECTRIC SHOCK!

⚠ WARNING!

To reduce the risk of burns, electrocution, fire or injury to persons:

- 1. Use a properly-grounded socket with proper voltage (230 V AC) only.
- 2. The electric components must not come in contact with water. RISK OF ELECTRIC SHOCK!
- 3. Check all cables regularly and contact our Customer Service Department when any cable is in improper condition. RISK OF ELECTRIC SHOCK!

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¹ Castors = optional accessories

- 4. The MLK Physio must not stand on the power cord. Ensure that the cord is not damaged when moving the treatment table. Do not step on the cord. Do not stretch the cord.
- 5. Always ensure that the power cord is not bent or squeezed during installation.
- Do not use any extension cords, multiple sockets or adapters. RISK OF FIRE!
- 7. **Do not** open the housings of the electric control panels! RISK OF ELECTRIC SHOCK!
- 8. Liquids **must not** get into the electric control panels! RISK OF ELECTRIC SHOCK!
- 9. Do not use water or any other liquids while carrying out any application. Do not spill water or any other liquids over, on or into the MLK Physio. Should you spill any water, **immediately** pull the mains plug and dry the MLK Physio thoroughly. RISK OF ELECTRIC SHOCK!
- 10. **Never** immerse any parts of the MLK Physio in water. When cleaning the MLK Physio, make sure that no water penetrates the MLK Physio or its housing. RISK OF ELECTRIC SHOCK!
- 11. The cables of the models incl. the heating system Smart Thermo 3² are between the upholstery and the underframe (depending on model). Removing of the upholstery must be carried out by authorized professionals only!
- 12. Persons suffering from acute pain, venous disorders, low blood pressure, inflammatory processes and other pathologies which make heat-treatments or the positioning of the patient inappropriate must consult the doctor before treatment.
- 13. Persons who are treated on the MLK Physio must not be under the influence of intoxicating substances (e.g. alcohol, drugs or medicine).
- 14. Operate or store the MLK Physio in a dry environment only.
- 15. Close supervision is necessary when the MLK Physio is used by, on, or near children or invalids.
- 16. Use the MLK Physio only for its intended use as described in this manual. Do not use attachments / accessories not recommended by the manufacturer.
- 17. Never operate the MLK Physio if it has a damaged cord or plug, if it is not working properly, if it has been damaged or if it has become wet. Return the MLK Physio to an authorized aftersales service for examination and repair.
- 18. Remove possible dust accumulation at the power plug, at the safety power socket and at all plug connectors **regularly**. RISK OF FIRE!

-

² Optional equipment

- 19. Keep the cord away from heated surfaces.
- 20. Never drop or insert any object into any opening.
- 21. Do not use the MLK Physio outdoors.
- 22. Do not allow any unauthorized person to operate the MLK Physio!
- 23. Use the MLK Physio only on a level surface.
- 24. **Do not place** any objects or liquids on the MLK Physio. The treatment table as well as the material can be damaged thereby. RISK OF ELECTRIC SHOCK! RISK OF DAMAGE!
- 25. Any repairs and maintenance work must be carried out by qualified professionals authorized by the Gharieni Group GmbH only! RISK OF ELECTRIC SHOCK! RISK OF FIRE!
- 26. **Do not use** a steam cleaner for cleaning. RISK OF ELECTRIC SHOCK!
- 27. **Never** rest or stand on any part of the lying surface or of the supporting structure of the MLK Physio. Do not exert strong physical forces on these components; otherwise you can damage the supporting structure permanently. RISK OF TIPPING! RISK OF BREAKAGE! RISK OF INJURY!
- 28. The SPLINE FUNCTION does not protect from injuries. It is essential that no parts of the body or items are between the parts of the MLK Physio while adjusting the lying position. RISK OF CRUSHING! RISK OF INJURY!
- 29. Persons, animals, objects or body parts of persons and animals **must not** be positioned between the base and the upper structure. RISK OF CRUSHING!
- 30. Persons, animals, objects or body parts of persons and animals **must not** be positioned under the parallelogram (s. fig. below). RISK OF CRUSHING!





- 31. Always ensure that no parts of the body or items are between the parts of the MLK Physio while adjusting the lying position. RISK OF CRUSHING!
- 32. **Do not** use the supporting structure as a foot rest. RISK OF CRUSHING!

- 33. If the MLK Physio is equipped with castors³, always ensure that the brakes of the castors are tightened properly. If the castors are not tightened properly, there is a RISK OF ROLLING AWAY!
- 34. Do not move the MLK Physio on its castors⁴ if any person or load is on the MLK Physio; otherwise you damage the construction / substructure or the castors of the MLK Physio. RISK OF INJURY! RISK OF DAMAGE!
- 35. The MLK Physio must **never** be used (neither with nor without castors⁵) for the carrying or transporting of persons or heavy loads. RISK OF INJURY! RISK OF DAMAGE!
- 36. While unpacking, the packaging materials (polythene bags, polystyrene pieces, etc.) should be kept away from children and pets. RISK OF INJURY! CHOKING HAZARD!
- 37. Always keep children and pets away from the MLK Physio.
- 38. Children must not play with the MLK Physio or its single components.
- 39. The MLK Physio is not intended to be operated by persons with reduced physical, sensory and mental capabilities or lack of experience or knowledge, unless they are supervised or instructed concerning the use of the treatment table and do understand the danger resulting thereof.

NOTICE!

- 1. For safety reasons, the MLK Physio moves only while pressing a key of the manual control panel. When you stop pressing, all moving-operation will stop immediately.
- 2. **Never** rest, stand or kneel on any part of the lying surface of the MLK Physio. Do not exert strong physical forces on the lying surface; otherwise you can damage the upholstery permanently. RISK OF DAMAGE!
- 3. Do not lean, stand or sit on the armrests or headrest; otherwise you can damage the armrests or headrest permanently! RISK OF DAMAGE!
- 4. The maximum loading capacity of the armrests is 25 kg.
- 5. The rating plate must not be removed or made illegible.

 Noncompliance will expire the guarantee!

SAVE THESE INSTRUCTIONS.

³ Optional accessories

⁴ Optional accessories

⁵ Optional accessories

2. Intended use

- Read the instructions very carefully and **only** operate the treatment table in its intended use as described to protect you and your customers from danger:
- ❖ The Gharieni treatment table MLK Physio is **not** a medical device relevant to the medical products law (German: MPG).
- The MLK Physio is a treatment table which is suitable for all body treatments (massages, etc.) and especially for physiotherapeutic purposes. No other use is permitted: it will affect your guarantee rights.
- ❖ The MLK Physio is intended for indoor use **only**.
- ★ The manufacturer and distributor are not responsible for any damage or injury in the event of failure to comply with these instructions.

3. Scope of delivery

- ➤ 1 TREATMENT TABLE MLK Physio in desired design and equipment incl. rating plate.
- ➤ 1 MANUAL CONTROL PANEL (MCP)
- ➤ 1 INSTRUCTION MANUAL
- If you have purchased optional accessories for your treatment table, these are also included in the scope of delivery.

4. Preliminary remarks

- ❖ The Gharieni treatment table MLK Physio is subject to the highest safety and quality standards.
- * Before initial operation, please check that all components are present and that they are not visible damaged.
- The dedicated safety socket must be grounded properly and must meet the proper voltage.



Ensure that there is sufficient free space for the MLK Physio relevant to its total length.

5. Delivery and unpacking

- ❖ Before installation, ensure that there is sufficient free space for the MLK Physio relevant to its total length.
- ❖ In some countries, the MLK Physio is delivered in a cardboard (depending on delivery).

5.1 Unpacking

⚠ WARNING! While unpacking, the packaging materials (polythene bags, polystyrene pieces, etc.) should be kept away from children and pets. CHOKING HAZARD! RISK OF INJURY!

PLEASE OBSERVE THE FOLLOWING WHEN THE MLK PHYSIO IS DELIVERED IN A CARDBOARD:

- ➤ Open the top of the packaging carefully. Do not use any sharp-edged items which can damage the upholstery.
- ➤ **Do not** lift the MLK Physio **but** remove the top packaging first. Then you can lift and remove the outer packaging.
- Carry the MLK Physio using its base / supporting structure **only**. Remove the transport protection (if equipped) before initial operation.

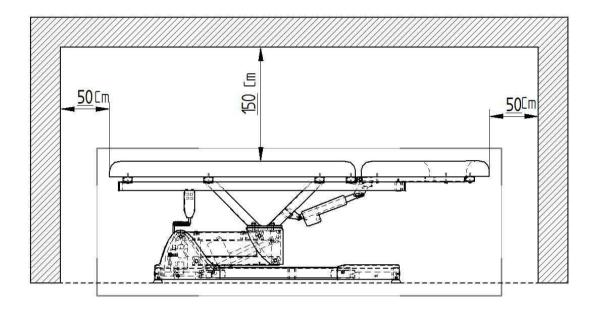
6. Transport, space requirement and assembly

6.1 Transport

- * Carry the MLK Physio by its base / supporting structure during transport only.
- * Never carry the MLK Physio by its lying / sitting surface or its armrests during transport; otherwise you can damage the MLK Physio seriously.
- A transport of the MLK Physio can be severely affected to some extent due to unfavourable environment conditions. Such unfavourable environmental conditions are e.g. narrow doors, narrow corners behind doors, narrow corridors, narrow staircases, spiral staircases etc. The weight of the MLK Physio is at least 85 kg (without options). Please note that the manoeuvrability of the MLK Physio is thus limited.

6.2 Space requirement

❖ Before installation, ensure that there is sufficient free space for the MLK Physio relevant to its total length. Dimensions of the MLK Physio in lowest position (L*W*H): 200*70*61 cm. You can adjust the height up to 91 cm using the lifting motor. A lateral shift (14 cm) occurs when adjusting the height (parallelogram principle). Always provide a minimum distance of 50 cm to any wall. Look at the figure below:



NOTICE! When you have placed the MLK Physio in a suitable position providing sufficient free space, remove the carrying supports⁶ if necessary and store them at a safe place for future use.

6.3 Assembly

The MLK Physio is easy to install and can be adapted to all human body measurements. You can adjust the desired positions electrically in a very short period of time and then focus entirely on your customer.

⚠ **WARNING!** The cables of the models incl. the heating system Smart Thermo 3 ⁷ are between the upholstery and the underframe (depending on model). **Removing of the upholstery must be carried out by authorized professionals only!**

⁶ Depending on model

⁷ Optional equipment

ADJUSTABLE FEET INCL. ADJUSTING SCREWS

❖ Use the adjustable feet for proper levelling of the MLK Physio. The appliance must stand in a stable and level position to ensure proper operation. The 4 adjustable feet must stand firmly on the ground so that the MLK Physio does not wobble. Adjust the adjustable feet accordingly using the adjusting screws.

NOTICE! If the floor is not level, you **must** ensure proper stability using the adjusting screw⁸.

7. Rating plate

- ❖ The rating plate is usually on the casing of the parallelogram⁹ (mechanism for the height adjustment) of the MLK Physio (s. fig. below / see also fig. in chapter 9.4 VIEW).
- ❖ Do not make the rating plate illegible! Do not remove the rating plate! Noncompliance will expire the guarantee!



Fig. similar: fig. serves as an example only.

A	RATING PLATE
В	CASING OF THE PARALLELOGRAM (mechanism for the height adjustment)

⁸ Depending on model

13

⁹ Depending on model

If you wish to contact the Gharieni customer service regarding your treatment table, we recommend taking a photo of the rating plate previously (e.g. using a mobile phone or a digital camera). This makes it easier for you to identify the information of the rating plate (e.g. the serial number of the treatment table) in order to provide the required information to the customer service. On the cover page of this instruction manual is an empty field in which you can enter the serial number of your treatment table. So you have the serial number always at hand.

8. Upholstery

(8)

- * The MLK Physio is equipped with a two-part lying surface (s. fig. below).
- ❖ The MLK Physio is equipped with a comfortable and high-quality upholstery (s. fig. below).
- The inner material of the upholstery is made of high-quality foam material.
- The surface is made of ARTIFICIAL LEATHER and available in many colours of our two-colour collections.



Fig. similar: colour may vary depending on model.

9. Operation

MARNING! Do not sit on the headrest and armrests.

⚠ WARNING! Do not carry out any physical force to the components named before (instructions are not depending on the adjustment of the lying surface). Failure to do so can cause permanent damage to the construction of the MLK Physio. RISK OF TIPPING! RISK OF DISINTEGRATION! RISK OF INJURY!

9.1 Characteristics

- ❖ The MLK Physio is a versatile treatment table. You can use it especially for physiotherapeutic treatments but also for various other treatments (massages, etc.) in dry rooms.
- ❖ The MLK Physio is equipped with a high-quality comfort padding made of artificial leather. The MLK Physio is also equipped with a two-part lying surface (consisting of an upper and a lower lying surface).
- ❖ To extend the therapeutic options and for more flexible working, a postural drainage position (up to 28°) can be set for the two-part lying surface of the MLK Physio.
- ❖ The Gharieni MLK Physio is a treatment table which is equipped with two actuators; see also chapter 9.2 NUMBERS OF ACTUATORS. When operating these actuators, you can easily adjust the desired positions electrically using the manual control panel.
- ❖ The work height and the two-part lying surface (postural drainage position) can be adjusted electrically; s. chapter 11. ELECTRICAL ADJUSTMENTS et seq.
- ❖ The headrest is pneumatically adjustable; s. chapter 10.2 ADJUSTMENT OF THE HEADREST.
- ❖ The armrests are pneumatically-lowerable; s. chapter 10.3 ADJUSTMENT OF THE ARMRESTS.
- ❖ The maximum lifting capacity of the MLK Physio is 200 kg.
- ❖ The maximum loading capacity of the lying surface of the MLK Physio is approx. 125 kg.
- ❖ The maximum loading capacity of the armrests is 25 kg.

9.2 Numbers of actuators

- ❖ The treatment tables of the Gharieni MLK Physio series are equipped with two actuators. When operating these actuators, you can easily adjust the desired positions electrically using the manual control panel.
- ❖ The work height and the two-part lying surface (postural drainage position) can be adjusted electrically.
- See also chapter 11. ELECTRICAL ADJUSTMENTS et seq.

THE MLK PHYSIO IS EQUIPPED WITH TWO ACTUATORS:	
Actuator 1	Electrical adjustment of the WORK HEIGHT.
Actuator 2	Electrical adjustment of the TWO-PART LYING SURFACE (postural drainage position / up to 28°)

9.3 Before initial use

- ➤ Before initial operation, please check that all components are present (s. chapter 3. SCOPE OF DELIVERY) and that they are not visibly damaged.
- The dedicated safety socket must be grounded properly and must meet the proper voltage (230 V AC).

9.4 View

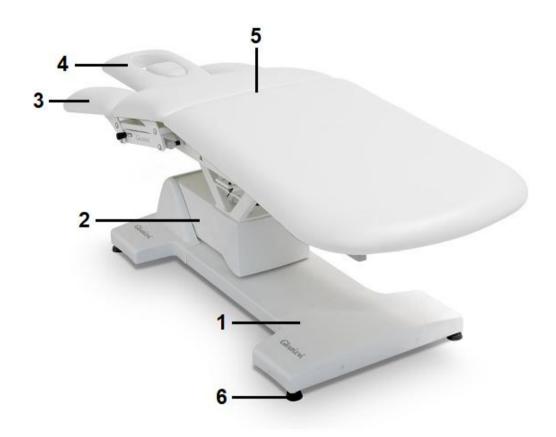


Fig. similar: colour and equipment may vary depending on model.

1	BASE (supporting structure)
2	Mechanism for the electrical HEIGHT ADJUSTMENT: ➤ see also chapter 11.2 ADJUSTMENT OF THE WORK HEIGHT
3	ARMRESTS: ➤ pneumatically adjustable (lowerable). ➤ see also chapter 10.1 GAS PRESSURE SPRINGS. ➤ see also chapter 10.3 ADJUSTMENT OF THE ARMRESTS.

4	 HEADREST: ▶ pneumatically adjustable. ▶ incl. nose slot. ▶ see also chapter 10.1 GAS PRESSURE SPRINGS. ▶ see also chapter 10.2 ADJUSTMENT OF THE HEADREST.
5	Two-part lying surface; length: approx. 50 cm. ➤ lower lying surface; length: approx. 105 cm. ➤ electrically adjustable (POSTURAL DRAINAGE POSITION up to 28°). ➤ see also chapter 11.3 ADJUSTMENT OF THE TWO-PART LYING SURFACE.
6	ADJUSTABLE FEET: ➤ incl. adjusting screws (4 in total). ➤ see also chapter 6.3 ASSEMBLY.

10. Pneumatic adjustments

- ❖ The pneumatic adjustments of the MLK Physio (armrests / headrest) are carried out using the appropriate gas pressure springs by means of the associated levers; s. the following chapters.
- The electrical adjustments of the MLK Physio are carried out using the manual control panel (MCP); s. chapter 11. ELECTRICAL ADJUSTMENTS et seq.
- ❖ Optionally, the electrical adjustments can be carried out using a foot control panel; s. chapter 12. FOOT CONTROL PANEL (OPTIONAL EQUIPMENT).

10.1 Gas pressure springs

- The armrests as well as the headrest can be adjusted pneumatically using the appropriate gas pressure springs by means of the associated levers.
- ❖ If you carry out any setting by means of the lever of the gas pressure spring, you **only** need to operate the lever **when** <u>lowering</u> the armrests or headrest.
- ❖ Carry out a pulling movement upwards (<u>without</u> operation of the respective lever) to lift an armrest and / or the headrest again.

YOU CAN LIFT THE ARMRESTS AND / OR THE HEADREST IN TWO WAYS:

a) Pull the armrest and / or the headrest upwards carefully using your hand.

b) "HANDS FREE OPERATION": You can lift the armrests as well as the headrest without using your hands. To do this, use your arm, elbow, etc. to push against the underside of the armrest or headrest carefully to move it upwards

10.2 Adjustment of the headrest

⚠ WARNING! Do not carry out any physical force to the headrest (instructions are not depending on the adjustment of the lying surface). Failure to do so can cause permanent damage to the construction of the MLK Physio. RISK OF TIPPING! RISK OF DISINTEGRATION! RISK OF INJURY!

- * The headrest is freely and manually adjustable.
- ❖ You can incline the headrest (positive and negative by 30°) using the lever, which is on the side of the pneumatic spring. Lock the set position by releasing the lever. Thus, you can always offer your customer a comfortable treatment position.
- ➤ See also chapter 10.1 GAS PRESSURE SPRINGS.
- The upholstery of the headrest is equipped with a nose slot usable when carrying out back-massages. For this purpose, the headrest is equipped with one or two separate upholstery parts, which can be removed (s. below).



Fig. similar: colour may vary depending on model.

The NECK REST "DENTALAX" is optional available for our treatment tables. The NECK REST "DENTALAX" supports the cervical spine effectively and will increase the comfort of lying significantly (see also chapter 16. OPTIONALLY AVAILABLE ACCESSORIES.

NOTICE! Do not lean, stand or sit on the headrest; otherwise you can damage the headrest permanently! RISK OF DAMAGE!

10.3 Adjustment of the armrests

⚠ WARNING! Do not carry out any physical force to the armrests (instructions are not depending on the adjustment of the lying surface). Failure to do so can cause permanent damage to the construction of the MLK Physio. RISK OF TIPPING! RISK OF DISINTEGRATION! RISK OF INJURY!

- ❖ You can lower or lift each armrest in the same way as the headrest (manually, gas pressure spring / "HANDS FREE OPERATION"; see also chapter 10.1 GAS PRESSURE SPRINGS).
- ❖ Use the lever of the relevant side and press lightly to adjust the armrests freely.
- * Thus, the MLK Physio is the optimal solution for back massages (s. fig. below).



Fig. similar: colour may vary depending on model.

A	Armrest
В	LEVER OF THE GAS PRESSURE SPRING of the armrest

NOTICE! Do not lean, stand, kneel or sit on the armrests; otherwise you can damage the armrests permanently! RISK OF DAMAGE!

NOTICE! The **maximum** loading capacity of the armrests is 25 kg. RISK OF DAMAGE!

11. Electrical adjustments

- ❖ The pneumatic adjustments of the MLK Physio (armrests / headrest) are carried out using the appropriate gas pressure springs by means of the associated levers; s. chapter 10. PNEUMATIC ADJUSTMENTS et seq.
- ❖ The **electrical adjustments** of the MLK Physio are carried out using the manual control panel (MCP); s. chapter 11.1 MANUAL CONTROL PANEL (MCP) et seq.
- ❖ Optionally, the electrical adjustments can be carried out using a foot control panel; s. chapter 12. FOOT CONTROL PANEL (OPTIONAL EQUIPMENT).
- The actuators of the MLK Physio are equipped with the SPLINE FUNCTION. The SPLINE FUNCTION causes the actuators to run the lifting movement only, the lowering movement is performed by dead weight.

⚠ WARNING! The SPLINE - FUNCTION does not protect from injuries. It is essential that no parts of the body or items are below or between the parts of the MLK Physio while adjusting the lying position. RISK OF CRUSHING!



For safety reasons, the MLK Physio moves only while pressing a button of the MCP. When you stop pressing, all moving-operation will stop immediately.

11.1 Manual control panel (MCP)

- ❖ The manual control panel (MCP) is a wired control.
- ❖ The electric manual control panel is supplied with low voltage (24 V DC) and operates the electrically-adjustable functions.
- ❖ You can control each of the 2 actuators individually by simply pressing the corresponding pair of push buttons.

⚠ WARNING! Ensure that no parts of the body or items are between the parts of the MLK Physio while adjusting the lying position. RISK OF CRUSHING!

⚠ WARNING! Persons, animals, objects or body parts of persons and animals must not be positioned under the parallelogram. RISK OF CRUSHING! RISK OF INJURY!

NOTICE! For safety reasons, the MLK Physio moves only while pressing a key of the MCP. When you stop pressing, all moving-operation will stop immediately.

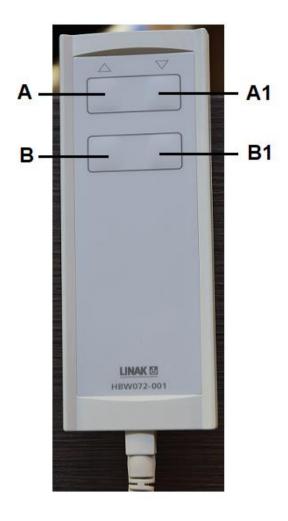


Fig. similar: modifications are possible.

A / A1	➤ Push buttons for the adjustment of the WORK HEIGHT
B / B1	➤ Push buttons for the adjustment of the TWO-PART LYING SURFACE (POSTURAL DRAINAGE POSITION)

11.2 Adjustment of the work height

- ❖ For the adjustment of the WORK HEIGHT press the corresponding pair of push buttons (A / A1); s. fig. in chapter 11.1 MANUAL CONTROL PANEL (MCP).
- * The direction of movement (up or down) is indicated by the arrow-symbols on the MCP.
- ❖ The horizontal WORK HEIGHT of the MLK Physio is fully adjustable from approx. 61.00 cm up to approx. 91.00 cm (if the adjustable feet are retracted).
- Extracting of the adjustable feet (up to 3.00 cm)¹⁰ or the installation of castors (approx. 8.00 cm / optional accessories) will increase the WORK HEIGHT a bit.

¹⁰ Depending on model

- The ENTRY HEIGHT is the lowest position of the lying surface:
 - > approx. 61.00 cm / lying surface in horizontal position

11.3 Adjustment of the two-part lying surface

- The MLK Physio is equipped with an electrically adjustable two-part lying surface (upper lying surface / lower lying surface); example for an adjustment of the lying surface: s. fig. below.
 - Length; upper lying surface: 50 cm
 - Length; lower lying surface: 105 cm



Fig. similar: colour and equipment may vary depending on model.

- To extend the therapeutic options and for more flexible working, a **POSTURAL DRAINAGE POSITION** (up to 28°) can be set for the two-part lying surface of the MLK Physio.
- ❖ The POSTURAL DRAINAGE POSITION of the two-part lying surface can also be adjusted easily using the MCP.
- ❖ For the adjustment of the POSTURAL DRAINAGE POSITION of the two-part lying surface press the corresponding pair of push buttons (**B** / **B1**); s. fig. in chapter 11.1 MANUAL CONTROL PANEL (MCP).
- The direction of movement (up or down) is indicated by the arrow-symbols on the MCP.

⚠ WARNING! Ensure that no parts of the body or items are between the parts of the MLK Physio while adjusting the lying position. RISK OF CRUSHING!

NOTICE! Never rest, stand or kneel on any part of the lying surface of the MLK Physio. Do not exert strong physical forces on the lying surface; otherwise you can damage the upholstery permanently. RISK OF DAMAGE!

12. Foot control panel (optional equipment)

- ❖ The foot control panel for two actuators (s. fig. below) can be connected additionally and optionally together with the MCP and allows the control of the basic functions of the MLK Physio.
- ❖ The foot control panel is equipped with a left and a right footswitch-unit (s. fig. below).
- ❖ Pressing the **individual buttons** causes the adjustment of only one actuator; WORK HEIGHT **or** TWO-PART LYING SURFACE (postural drainage position) S/ s. fig. below.

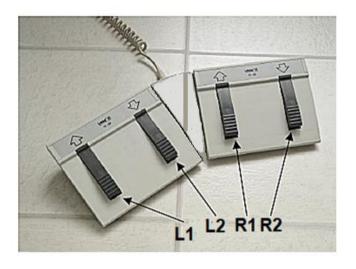


Fig. similar: modifications are possible.

	FOOT CONTROL PANEL (LEFT):
L1	Two-part lying surface (postural drainage position): up
L 2	Two-part lying surface (postural drainage position): Down

	FOOT CONTROL PANEL (RIGHT):
R 1	Work height: up
R 2	Work height: down

13. Heating system Smart Thermo 3 (optional equipment)

ABBREVIATION:	SMART THERMO = HEATING SYSTEM SMART THERMO 3
---------------	--

- ❖ The lying surface of MLK Physio can be heated to maximize the treatment comfort. The Smart Thermo is a pre-programmed and fully automatic heating system which allows a comfortable operation. The intelligent heating system Smart Thermo 3 is integrated into the upholstery of the MLK Physio and works with modern microprocessor technology. For the MLK Physio the heating system Smart Thermo 3 is optional available for an additional charge.
- Due to the pre-programmed microchip, you **only** have to switch on the Smart Thermo with the "ON" button to start the <u>automatic</u> heating programme. For quick heating of a cold lying surface, after starting the Smart Thermo will operate with max. power during the pre-heating period. The heating programme of the Smart Thermo is fully automated and switches off automatically after the total time (100 minutes) has elapsed.
- s. chapter 13.1 OPERATION / BUTTON -ON-
- The heating parameters of the Smart Thermo can be changed if desired (s. chapter 13.1 OPERATION): you can set both the heating/power level and the heating time individually using the control panel of the Smart Thermo (s. fig. in chapter 13.1).
- Check the current temperature before using the MLK Physio. Disconnect the MLK Physio from the mains when it is not used for a longer period of time, e.g. during the night.

⚠ WARNING!

- 1. Do not use the option Smart-Thermo when your customer
 - has got a pacemaker.
 - > is pregnant.
 - > is affected by thrombosis.
 - > suffers from pain due to unknown reasons.
- 2. Apply to healthy people only.
- 3. When the treatment is stopped prematurely, cancel the Smart-Thermo function by pressing the OFF-button on the control panel to avoid heat accumulation.
- 4. Disconnect the MLK Physio from the mains when it is not used for a longer period of time, e.g. during the night.

⚠ WARNING! Persons suffering from acute pain, venous disorders, low blood pressure, inflammatory processes and other pathologies which make heat-treatments or the positioning of the patient inappropriate must consult a qualified doctor before treatment.

⚠ WARNING! Persons who are treated on the MLK Physio (and / or are treated with heat applications) must not be under the influence of intoxicating substances (e.g. alcohol, drugs or medicine).

⚠ WARNING! The cables of the models incl. the heating system Smart Thermo 3¹¹ are between the upholstery and the underframe (depending on model). Removing of the upholstery must be carried out by authorized professionals only!

13.1 Operation

- You can operate the heating system using the 4 buttons (s. fig. below: CONTROL PANEL OF THE HEATING SYSTEM SMART THERMO 3).
- ❖ The setting of the heating power and the time selection is indicated by a 10-level LED bar-diagram.

1

¹¹ Optional equipment

CONTROL PANEL OF THE HEATING SYSTEM SMART THERMO 3:





BUTTON: -ON-



BUTTON: -OFF-

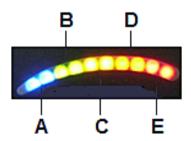


TEMPERATURE SELECTION BUTTON



TIME SELECTION BUTTON

LEDs:



A	2 blue LEDs
В	2 green LEDs
С	2 yellow LEDs
D	2 orange LEDs
E	2 red LEDs



BUTTON-ON-:

- Press this button to switch **on** the Smart Thermo.
- 1. When the Smart Thermo is switched on, it starts heating at the <u>maximum</u> heating / power level for **5 minutes** (level **5**: the 2 red LEDs (**E**) are illuminated).
- 2. After the 5 minutes have elapsed, the Smart Thermo will keep heating at the minimum heating / power level automatically for additional 95 minutes (level 1: the 2 blue LEDs (A) are illuminated).
- 3. When the total time (100 minutes) has elapsed, the Smart Thermo will be switched off automatically.
- * This sequence is pre-programmed.
- The heating / power level and the heating time of the Smart Thermo can be changed at any time by using the corresponding buttons (s. description below: TEMPERATURE SELECTION BUTTON / TIME SELECTION BUTTON).



BUTTON-OFF-:

Press this button to switch off the Smart Thermo.

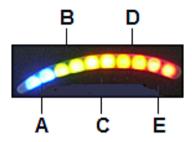


TEMPERATURE SELECTION BUTTON:

❖ Press this button to adjust the **temperature** of the Smart Thermo for the setting of the required heat.

FIVE HEATING / POWER LEVELS ARE AVAILABLE:		
Level 1	Minimum power = low temperature	
Level 2	Heating / power level <u>between</u> minimum and medium power	
Level 3	Medium power = medium temperature	
Level 4	Heating / power level <u>between</u> medium and maximum power	
Level 5	Maximum power = high temperature	

The selected heating / power level will be displayed on the LEDs above the operating buttons:



Press button one time	Level 1	blue LEDs (A)
Press button two times	Level 2	green LEDs (B)
Press button three times	Level 3	yellow LEDs (C)
Press button four times	Level 4	orange LEDs (D)
Press button five times	Level 5	red LEDs (E)

> By pressing the button once more (six times) the selection cycle will begin at level 1 again



TIME SELECTION BUTTON:

- ❖ Press this button to set the required **heating time** of the Smart Thermo.
- ➤ **Ten time settings** (in 10-minutes intervals) are available which are displayed on the LEDs (10 LEDs).
- You can select a heating time from **10 minutes up to 100 minutes** by pressing the TIME SELECTION BUTTON one or several times.
- ➤ Thereby one illuminated LED corresponds to 10 minutes.
- ➤ When the desired time selection has elapsed, the Smart Thermo switches off automatically.

EXAMPLE:

You wish to set a medium heating / power level (level 3) of 30 minutes. Please proceed as follows:

1. Switch on the Smart Thermo by pressing the button -ON-



2. Then select the TEMPERATURE SELECTION BUTTON Press this button repeatedly until the **two yellow** LEDs (**C**) are illuminated (s. fig. below).



- 3. The appliance is now set to medium heating / power level (level 3).
- 4. Then select the TIME SELECTION BUTTON



5. Press this button repeatedly until three of the ten LEDs are illuminated (two blue LEDs and one green LED / s. fig. below).



- 6. Thereby **one** illuminated LED corresponds to a heating time of **10 minutes**.
- 7. Now the appliance heats for 30 minutes at the selected heating / power level.
- 8. After the set time has elapsed the Smart Thermo switches off automatically.
- If you wish to quit the heating time earlier, press the button to switch off the Smart Thermo.
- ❖ When programming the Smart Thermo it does not matter whether you wish to set the time at first and the temperature secondly or vice versa.
- It is not possible to switch on the heating function without the time selection. The <u>minimum heating time</u> is 10 minutes (**one** illuminated LED). The <u>maximum</u> heating time is 100 minutes (ten illuminated LEDs).
- ❖ The selected settings can be checked at any time by pressing the relevant button.
- The Smart Thermo is equipped with a memory function, which enables the previous settings automatically after power up.

14. Cleaning and maintenance

⚠ WARNING Disconnect the MLK Physio from the mains (unplug) before cleaning and maintenance. RISK OF ELECTRIC SHOCK! RISK OF FIRE!

⚠ **WARNING!** Remove possible dust accumulation at the power plug, at the safety power socket and at all plug connectors **regularly**. RISK OF FIRE!

⚠ WARNING! Ensure that water or other liquids cannot get into the housing and the fittings of the MLK Physio or into the MCPs. RISK OF ELECTRIC SHOCK! RISK OF FIRE!

NOTICE! Damages of the treatment table, the upholstery and / or of the material of the base / supporting structure caused by the use of unsuitable cleaning agents **are not subject to the guarantee or the warranty!**

- ❖ Do not wear any arm and finger decoration such as rings or bracelets while carrying out any cleaning or maintenance operations. Otherwise, you can scratch and damage the upholstery and / or the material of the base of the MLK Physio unintentionally.
- Use water or a mild cleaning agent which is suitable for the material **only**.
- **Do not use** extremely hot water for the cleaning of the MLK Physio.
- **Do not use** any sponges, scouring pads or floor clothes.
- ❖ Do not use any aggressive cleaning agents such as scouring powders, floor cleaners, etc.
- **Do not use** any dishwashing detergents.
- **Do not use** any solvents or bleaching agents.
- **Do not use** any essential oils.

NOTICE! If you use a disinfection agent, it is **absolutely necessary** to contact the manufacturer of the disinfection agent before in order to clarify whether the product is suitable for disinfecting the respective material. Unsuitable disinfectant agents can damage the material of the upholstery and / or the upholstery itself as well as the material of the base / supporting structure.

NOTICE! Damages of the upholstery and / or of the material of the base / supporting structure caused by the use of unsuitable disinfection agents are not subject to the guarantee or the warranty!

14.1 Cleaning and care of the surface of the upholstery

- ❖ The upholstery of the MLK Physio is equipped with a surface made of **ARTIFICIAL LEATHER**.
- Clean and care the artificial leather using a special detergent for artificial leather **only** (optional available at Gharieni; s. chapter 16. OPTIONALLY AVAILABLE ACCESSORIES).

14.2 Cleaning of the housing and of the fittings

Clean the housing and the fittings using a soft damp cloth and a small amount of soap.

⚠ WARNING! Ensure that water or other liquids cannot get into the housing and the fittings of the MLK Physio or into the MCPs. RISK OF ELECTRIC SHOCK! RISK OF FIRE!

15. Malfunctions (possible causes and troubleshooting)

	MALFUNCTION		
	Possible cause(s)		Troubleshooting
	ALL ACTUATORS DO NOT WORK.		
1.	No connection to the mains.	1.	Check the connection status.
2.	The power supply cable is damaged.	2.	Power supply cable must be replaced (please contact the customer service).
3.	MCP / actuator-plug are not plugged in properly.	3.	Check proper connection of MCP / plug.
4.	MCP is defective.	4.	MCP must be replaced (please contact the customer service).
5.	Fuse in the transformer is defective.	5.	Fuse must be replaced (please contact the customer service).
6.	Control-box total loss.	6.	Control-box must be replaced (please contact the customer service).

SINGLE ACTUATOR DOES NOT WORK.		
1. Motor-plug is not connected properly.	1. Connect plug properly.	
2. MCP is defective.	2. MCP must be replaced (please contact the customer service).	
3. Control-box is defective.	3. Control-box must be replaced (please contact the customer service).	
4. Motor-cable or plug is defective.	4. Cord / plug must be replaced (please contact the customer service).	
5. Motor is defective.	5. Motor must be replaced (please contact the customer service).	

If the treatment table shows a malfunction not noted on the schedule above or if you have checked all items on the above schedule but the problem still exists, please contact the customer service (s. chapter 15.1 REPAIR).

15.1 Repair

YOU CAN CONTACT THE GHARIENI CUSTOMER SERVICE USING THE FOLLOWING CONTACT INFORMATION:		
CUSTOMER SERVICE HOTLINE:	+49 (0)2841/88300-40	
E-MAIL:	service@gharieni.com	

- We are responsible for safety and reliability of the MLK Physio under the following conditions only.
- 1. When contacting the customer service, the information about the **serial number** is absolutely necessary.
- 2. Repairs and modifications must be carried out by Gharieni Group GmbH or a person authorized by Gharieni Group GmbH.
- 3. The electrical installation of the room the MLK Physio is installed in must meet the current legal regulations at the site where the MLK Physio is operated.
- 4. The MLK Physio is operated as described in the instruction manual.
- 5. Unauthorized modifications or manipulating the MLK Physio will void the liability of the manufacturer.
- 6. All electric components are designed for continuous operation. Leave the MLK Physio connected when it is used every day.
- 7. Check the power cord regularly for signs of damage.

8. When the power cable is damaged, it must be replaced by the manufacturer or an authorized aftersales service or a qualified professional only.

If you wish to contact the Gharieni customer service regarding your treatment table, we recommend taking a photo of the rating plate previously (e.g. using a mobile phone or a digital camera). This makes it easier for you to identify the information of the rating plate (e.g. the serial number of the treatment table) in order to provide the required information to the customer service.

On the cover page of this instruction manual is an empty field in which you can enter the serial number of your treatment table. So you have the serial number always at hand.

16. Optionally available accessories

★ For detailed information regarding the optionally available accessories (s. below) please contact the Gharieni customer service. We will be glad to advise you!

16.1 Castor set

- ❖ A CASTOR SET with brakes for the Gharieni treatment table MLK Physio is optional available for an additional charge.
- * The set includes four castors equipped with brakes.
- ❖ The soft tread of the castors is suitable for hard and soft floors.

CASTOR SET with brakes	Article number: 73006
------------------------	-----------------------

16.2 Oro® Synthetic Leather Cleaner

- ❖ The Oro® SYNTHETIC LEATHER CLEANER is optional available from Gharieni for an additional charge.
- ❖ This agent cleans and maintains all chair and treatment table covers and other surfaces made of **ARTIFICIAL LEATHER**.
- ❖ Due to the simultaneous usage of the ORO® SYNTHETIC LEATHER CLEANER and synthetic leather care as well as the special sponge included in the set, dirt and stubborn stains can also be removed quickly and thoroughly.

Oro® Synthetic Leather Cleaner	Article Number: 79444
--------------------------------	-----------------------

NOTICE! Use the cleaner for artificial leather only.

16.3 Neck rest "Dentalax"

- Our popular NECK REST "DENTALAX" (s. fig below) is optional available for an additional charge.
- * During treatment, this neck rest supports the cervical spine effectively.
- ❖ The NECK REST "DENTALAX" is available in white or in colour.
- ❖ The lying comfort will be increased significantly when using the NECK REST "DENTALAX": "SMALL PART, GREAT EFFECT!"



Fig similar: colour and design may vary depending on the model selected.

★ For detailed information regarding the right size and suitable version for the headrest of your treatment table please contact the Gharieni customer service. We will be glad to advise you!

16.4 Protective covers

- ❖ COVERS MADE OF TERRY for our treatment tables are optional available for an additional charge.
- ❖ Our covers, which are specially-manufactured for our treatment tables, will perfectly protect your working equipment from dirt and heavy use.
- ❖ Machine laundry (max. 60 °C) for hygienic cleaning is possible due to the high-quality material.
- ❖ Internal elastic bands keep the single sections exactly in the right position. All functions of the treatment tables will continue working.
- Our covers are available in three different colours: white / choco and crème.
- ❖ You can order the relevant cover when purchasing the treatment table.
- ★ For detailed information regarding the right size and suitable version of the covers as well as the compatibility with your treatment table please contact the Gharieni customer service. We will be glad to advise you!

17. Conditions of transport, storage and operation

17.1 Transport

- ❖ Carry the MLK Physio by its base / supporting structure during transport only.
- * Never carry the MLK Physio by its lying / sitting surface or its armrests during transport; otherwise you can damage the MLK Physio seriously.
- ❖ On flat surfaces, the MLK Physio can be moved or transported carefully using the optional castors (optional accessories). On uneven surfaces, you must not use the castors (optional accessories).
- Always consider the total weight of the MLK Physio. You may need the help of several persons.
- * Always consider the dimensions of the MLK Physio. Narrow hallways, doors or staircases can make the transport difficult or impossible.

17.2 Ambient conditions for storing and transport

TEMPERATURE	from -30 °C to +55 °C (ambient temperature)
ATMOSPHERIC PRESSURE	from 700 to 1060 hPa
RELATIVE HUMIDITY	from 10 % to 90 % at +30 °C non-condensing

17.3 Ambient conditions for operation

Temperature	from +10 °C to +40 °C (ambient temperature)
ATMOSPHERIC PRESSURE	from 700 to 1060 hPa
RELATIVE HUMIDITY	from 30 % to 75 % at +30 °C non-condensing

18. Technical data

GENERAL TECHNICAL DATA		
Total length	200.00 cm	
Length: headrest	45.00 cm	
Length: upper lying surface	50.00 cm	
Length: lower lying surface	105.00 cm	
Total weight (without options)	approx. 85.00 kg	
Width	70.00 cm	
Range of height adjustments incl. adjustable feet	approx. 61.00 cm - 91.00 cm	
Range of height adjustments incl. castors (approx. + 8.00 cm / optional accessories)	approx. 69.00 cm - 99.00 cm	
Inclination of the headrest	approx. $+30^{\circ}$, -30°	
Postural drainage position	up to 28 ⁰	
Lifting capacity	200.00 kg	
Loading capacity of the lying surface	approx. 125.00 kg	
Max. loading capacity of the armrests	25.00 kg	

* Technical modifications reserved.

ADJUSTMENT DRIVE INCL. CONTROLS			
Power of transformer (primary)	230 V AC / 50 Hz / 70 VA max.		
Power of transformer (secondary)	24 V DC		
Protection / Fuse	1.5 ampere AT		
	10% / max. 2 minutes of		
Duty cycle (drive)	permanent operation /		
	18 minutes rest		
Device protection class	I with Smart Thermo; otherwise II		
Overvoltage protection class	Туре В		
Protection against solid and liquid materials	IP X3		

* Technical modifications reserved.

HEATING SYSTEM SMART THERMO 3		
Power supply	230 V AC / 48 - 60 Hz	
Power consumption	ca. 120 W (VA) max.	
Protection	630 mA-T	
Transformer output voltage	12 V AC / ca. 9A max.	

* Technical modifications reserved.

19. Waste management

- 1. While unpacking, the packaging materials (polythene bags, polystyrene pieces, etc.) should be kept away from children and pets. CHOKING HAZARD! RISK OF INJURY!
- 2. Do not dispose of the MLK Physio together with your domestic waste. Old and unused treatment tables must be sent for disposal to the responsible recycling centre for electric appliances. Do not remove the relevant symbol from the product.
- 3. **Never** expose to open flames.
- 4. The treatment table should be cleaned thoroughly before disposal to protect persons, environment and materials.
- 5. Before you dispose of a treatment table or any old appliance, **render it inoperative**. Unplug the treatment table / appliance and cut off the entire power cord. Dispose of the power cord and the plug immediately.
- 6. The MLK Physio is made of metal and plastic components, electronic components, electric cables. Dispose of the separate components in accordance with the current local disposal regulations.
- 7. Dispose of any paper and cardboard into the corresponding containers.
- 8. Dispose of any plastics into the corresponding containers
- 9. If suitable containers are not available at your residential area, dispose of these materials at a suitable municipal collection point for waste-recycling.
- 10. Receive more detailed information from your retailer, municipal facilities or:

Gharieni Group GmbH

> Phone:	+49 (0)2841/88300-0
Fax:	+49 (0)2841/88300-999
Customer service hotline:	+49 (0)2841/88300-40
E-mail:	service@gharieni.com



X

Materials marked with this symbol are recyclable.

Please contact your local authorities to receive further information.

20. Guarantee provisions

20.1 Guarantee period

The following guarantee provisions apply to <u>new goods</u> worldwide:

The Gharieni Group GmbH offers for all treatment tables of the MLK Physio series

- \rightarrow a 10-year guarantee for their metal frames,
- → a 5-year guarantee for their actuators and
- \rightarrow a 3-year guarantee for their other components.

20.2 Guarantee exclusion

Upon delivery, it is necessary to check that the equipment has not been damaged during transportation and that the set of accessories is complete and in good condition. Claims must be filed within 8 days after the delivery of the Gharieni-product.

Wearing parts (such as e.g. all types of lamps as well as glass panels, consumables such as terry products, etc.) are not covered by this guarantee.

Apart from the cases specified in the supply agreement, the guarantee is void when:

- → damage has been caused by improper use of the treatment table and its associated components.
- → damage of the treatment table and its associated components has been caused by gross negligence.
- \rightarrow the malfunctioning is attributable to the operator.
- → any stickers (such as e.g. the rating plate, instruction notices, etc.) have been removed.
- → appliances associated with the treatment table, parts of the treatment table or of the associated appliances are opened without explicit permission by the operating instructions (e.g. for cleaning).
- → the instructions in this instruction manual have not been followed.
- → the treatment table has suffered changes after repair operations performed by a third party unauthorized by Gharieni Group GmbH.

21. EC-Declaration Of Conformity

EC DECLARATION OF CONFIRMITY

Hereby, we

Gharieni Group GmbH Gutenbergstr. 40 D-47443 Moers

declare that the design and construction of the appliance listed below complies with the relevant essential health and safety requirements of the EU,

(Type or model, name)

 ϵ

MLK Physio

2019

Relevant EU directives and harmonized standards used:

2006/42/EG Safety of Machinery

2014/30/EU Electromagnetic compatibility

2011/65/EU RoHS Directive

ISO 12100:2010 Fundamentals of machine safety

EN 60204-1:2006 Safety of machinery — electrical equipment of machinery EN 1005-3:2002+A1:2008 Recommended limits of force for machine operation

EN 349:1993+A1:2008 Avoidance of bruising

EN 614-1:2006+A1:2009 Fundamentals of ergonomics
EN ISO 13849-1:2015 Safety-related parts of controllers
EN ISO 14118:2018 Avoidance of unexpected start-up
EN ISO 14120:2015 Separating protection devices

EN 50581:2012 RoHS Directive

DIN EN 55014-1:2012-05 Electromagnetic compatibility - requirements for household

appliances, power tools and similar electrical equipment -

part 1: emitted interference

DIN EN 55014-2:2016-01 Electromagnetic compatibility - requirements for household

appliances, power tools and similar electrical equipment -

part 2: interference immunity

EN 61000-3-2:2014 Electromagnetic compatibility - part 3-2: limit values – for harmonic

currents

EN 61000-3-3:2014-03 Electromagnetic compatibility - part 3- 3: limit values -

limitation of voltage changes

Yavuz Gündogar Gutenbergstr. 40 D-47443 Moers CEO: Sammy Gharieni,

Manufacturer`s signature

Moers, 04/16/.2019

Responsible for documentation

Place and date

22. Status of edition

EDITION	ALTERATIONS (PAGES)	DATE
First edition	_	05/30/2019



NOTES

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Gharieni Group GmbH Am Schürmannshütt 24 D - 47441 Moers