

# medifa

Member of REINSBERG® GROUP



## User manual **medifa 6000**

REF: 601820, 601700

CE

Version: 3.3 EN

Made in Germany



[www.medifa.com](http://www.medifa.com)

we care.



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## 1. Important information

### 1.1 Revision history

Version	Date	Reason or modification of publication
1.0	07/2019	First edition
2.0	04/2020	Update
3.0	06/2020	New mains connection and table length
3.1	08/2024	Revision
3.2	01/2025	Update
3.3	04/2025	Safety warnings for the use of extension devices

### 1.2 CE label

This product is a Class 1 medical product according to the Ordinance (EU) 2017/745 on medical products and complies with the prevailing version of this ordinance at the time of its introduction on the market.

### 1.3 Conformity

The manufacturer declares the conformity of this product with the essential safety and performance requirements according to Medical Device Regulations in Appendix I as well as the implementation of the technical documentation according to Appendix II and declares conformity by means of an EU Declaration of Conformity according to Appendix IV.

### 1.4 Manufacturer and distributor

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### 1.5 Copyright statement

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We are constantly working on the further development of our products. Please understand that we must reserve the right to change the scope of delivery in shape, equipment, and technology at any time.

Reproduction, duplication, or translation of the original user manual, even in part, is not permitted without written consent from medifa.

All rights according to the copyright law are expressly reserved by medifa. medifa shall only be responsible for the safety-related properties of this device within the framework of the legal regulations if maintenance, servicing, and changes to this device are carried out by medifa itself or a representative in accordance with instructions.

## 2. Foreword

We at medifa would like to thank you for purchasing the medifa 6000. By choosing the medifa 6000, you have opted for a product that combines design, functionality and comfort in the highest possible 'Made in Germany' quality.

medifa's products are manufactured for a long and trouble-free service life. Development, design, and production at medifa have been certified according to DIN EN ISO 9001 and DIN EN ISO 13485.

We use only high-quality materials that have a long service life and offer extensive functionality and easy operation to meet the increasing demands of surgical procedures. Medifa offers a wide range of fixed and flexible accessories to meet your requirements. Periodic maintenance by our trained service technicians also ensures that the table is always in perfect condition during the routine operation.

Should you have any further questions, please do not hesitate to contact us at any time.

### 3. Understand the user manual

#### ATTENTION

##### Read and follow the instructions in the user manual

This user manual must be read and understood in full by the operating personnel before commissioning medifa 6000; this applies in particular to the chapter on safety instructions and user obligations. If necessary, verified mediation by means of in-house training is also possible, taking into account the professional qualifications. The user manual must be strictly observed and must be available at the place of use.

#### ATTENTION

##### Using the operating table is safe!

Remaining residual hazards are indicated at the relevant points in the user manual. Please observe these instructions.

#### 3.1 How do I find the information I need?

The individual chapters of the user manual contain information on specific topics.

Section	Contents / Topics	
1	Important information	<ul style="list-style-type: none"> <li>• Manufacturer's specifications</li> </ul>
2	Foreword	<ul style="list-style-type: none"> <li>• Brief description of your medifa 6000</li> </ul>
3	Understand the user manual	<ul style="list-style-type: none"> <li>• Symbols and notations in the user manual</li> <li>• Standard and optional accessories</li> </ul>
4	Safety instructions and user obligations	<ul style="list-style-type: none"> <li>• Basic safety instructions for operating and using the medifa 6000</li> </ul>
5	medifa 6000	<ul style="list-style-type: none"> <li>• Description of the medifa 6000 and its components and connections.</li> </ul>
6	Controls	<ul style="list-style-type: none"> <li>• Description of the operating functions of the manual switch, column keypad and optional foot-operated switch</li> </ul>
7	Switch on and switch off medifa 6000	<ul style="list-style-type: none"> <li>• Switch on/off the power supply, switch on/off the control unit</li> </ul>
8	Charge medifa 6000	<ul style="list-style-type: none"> <li>• Charge the lead-gel batteries for battery operation</li> </ul>
9	Patient transport	<ul style="list-style-type: none"> <li>• Move and control medifa 6000</li> </ul>
10	apply the brake / release the brake on medifa 6000	<ul style="list-style-type: none"> <li>• Determine that medifa 6000 is ready for use and release it for transport</li> </ul>
11	Positioning of patient	<ul style="list-style-type: none"> <li>• Description of all functions for patient positioning and position adjustment</li> </ul>

Section	Contents / Topics
12	Configure medifa 6000 prior to surgery <ul style="list-style-type: none"> <li>• Attach and remove accessories and pads</li> </ul>
13	Preparing medifa 6000 after use <ul style="list-style-type: none"> <li>• Cleaning and maintenance measures after use:</li> </ul>
14	Technical data <ul style="list-style-type: none"> <li>• Properties of the medifa 6000 and conditions of use</li> </ul>
15	Appendix <ul style="list-style-type: none"> <li>• Information on the installation, decommissioning and disposal of the medifa 6000</li> <li>• Accessories</li> </ul>

### Safety instructions in the chapters and steps

Information on residual dangers and hazardous situations. Please pay particular attention to these instructions.

### 3.2 List of abbreviations

Abbreviation	Description
CE	European Community (derived from the French 'Communauté Européenne')
DBAB	Continuous operation with intermittent load
DIN	German Industrial Standard
EN	European Standard
EMC	Electromagnetic compatibility
EEC	European Economic Community
HF	Radio Frequency
IEC	International Electrotechnical Commission
IP	Ingress Protection
ISO	International Organisation for Standardisation
LED	Light emitting diode
MDR	Medical Device Regulation
OP	Operation

### 3.3 Symbols used

Various information and safety symbols are used in this user manual to highlight particularly relevant information.

#### Safety Instructions



#### HAZARD

HAZARD indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.



#### WARNING

WARNING indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.



#### CAUTION

CAUTION indicates a potentially hazardous situation which, if not avoided, could result in minor or moderate injury.

#### ATTENTION

Indication of harmful situation with the possible consequences: the device or something in its vicinity could be damaged.

#### Instructions:



Useful instructions and further information are indicated by this symbol.

#### Cross-references

Cross-references in the text are shown in a different text colour and are distinguished by a symbol:

#### Work instructions

1. Work instructions and procedural steps are presented in chronological order in numbered steps.

### 3.4 Standard accessories

This user manual contains only the basic components of medifa 6000. You can find a complete list of accessories in the accessories list.

### 3.5 Options

These instructions for use also contain descriptions of permanently installed options with figures, which do not correspond to your configuration. This could, for example, affect the infrared manual switch, the foot-operated switch or others.

## 4. Safety instructions and user obligations

Keep the user manual in the vicinity of the product so that information can be read at a later date. The user manual is an integral part of the product and must be handed over in case there is a change in location or personnel. Furthermore, the user manual must be easily accessible to all users of the product at all times.



### Instructions to users and/or patients

All serious incidents relating to the device must be notified to the manufacturer and the competent authority of the Member State in which the user and/or patient is located.

#### 4.1 General safety instructions



#### WARNING

##### Patient hazard!

Any modification of the medical product is prohibited. The manufacturer shall assume no liability for changes to the product.



#### WARNING


##### Patient hazard!

A functional failure of medifa 6000 cannot be completely ruled out according to the current commercial state of the art. In this rare case, the motorised functions are no longer available during the operation. If the electrical functions fail, it is only possible to change the position of the patient by using suitable aids (e.g. padding placed underneath) or by removing the patient from medifa 6000.



#### WARNING

##### Risk of tipping over!

- The 61125 and 63000\_1 accessories may only be used if the surgical table is not shifted in a longitudinal manner.
- The double castors at the foot end must be facing forwards before the surgical table is locked (brakes) to ensure safe working.
- All work with or on the medifa 6000 (installation, commissioning, operating, servicing, decommissioning, transport or disposal) may only be carried out by trained medical or nursing staff.
- The medifa 6000 may only be used with the specified products and for the purposes indicated under Intended use. When operating the medifa 6000, the values given under  **Technical Data** must be adhered to.
- For the intended and safe use of additional equipment, the corresponding user manual for this additional equipment must be followed.

#### 4.2 Measures to be taken prior to each use

All electrical and mechanical functions as well as all parts of the medifa 6000 including accessories must be checked for functionality and integrity before each use.  
The use of defective or damaged products is prohibited.

#### 4.3 Risk of explosion

There is a risk of explosion if the user operates the medifa 6000 under one or more of the following conditions:

- Operating with mains supply in a room enriched with oxygen and anaesthetics.
- Oxygen supply lines pass the socket area (and there are leaks in the line).
- Operating on the mains: user or third party unplugs the power cable during use in oxygen-enriched air.

#### 4.4 Electricity

Have the electrical safety of the medifa 6000 and the power supply checked by a qualified electrician before the first commissioning and at regular intervals. We recommend an annual general safety check by the technical customer service of medifa.

- Do not crush or drive over the mains cable and potential equalisation cable and do not use damaged cables.
- Disconnect cables before changing location.
- Without earthing, discharges can occur on the patient and/or operator. If there are any concerns about the safety of the mains or potential equalisation cable: Only work with the internal power supply until the cable in question has been replaced.
- Operate medifa 6000 only with a connected potential equalisation cable on an electrically conductive floor.

#### 4.5 Infection prevention

- Observe all specifications for cleaning and disinfection.
- Adhere to the cleaning and disinfection procedures and agents described in this user manual!
- Make sure that only cleaned and disinfected devices and equipment are handed over to a service technician or the manufacturer for maintenance and repair work!
- Replace padding that no longer meets the hygiene and infection prevention requirements.

#### 4.6 High-frequency (HF) surgical devices and defibrillators

The medifa 6000 is suitable for use with HF surgical units, defibrillators and defibrillator monitors. Please adhere to the user manual and safety instructions given by the manufacturers of these devices!



### HAZARD

#### Danger of burns for patients!

When using HF surgical unit, defibrillators and defibrillator monitors, there is a risk of burns for the patient if no safety measures are taken.

Here are the safety measures to be followed:

- Place the patient on medifa 6000 isolated from metal parts (medifa 6000, accessories) and conductive paddings or tubes.
- Ensure that the patient does not come into contact with wet cloths or underlays. Use only dry materials!



### WARNING

#### Patient hazard!

The electromotive functions on the medifa 6000 may be interrupted when using HF surgical devices at the same time.

#### **4.7 Service life**

The medifa 6000 has a lifespan of 10 years if the specified inspections are carried out by medifa Service. This does not include any parts subject to wear, such as drives, controls, cushions and buttons on the operating units on the device or separately, such as infrared manual switches, control consoles, foot-operated switches and joysticks.

#### **4.8 Maintenance and repair**

In order to avoid failures and to ensure operational safety, annual maintenance (electrical cabling, worn bearings, etc.) must be carried out to ensure that the function is fully maintained. It is recommended to hire a medifa-certified service technician for this maintenance procedure.

#### **Repairs**

Repairs may only be carried out by medifa's technical customer service department or by personnel authorised, trained, and certified by medifa. medifa shall not be liable for any damage caused due to deferred inspections, faulty repair or maintenance, or changes made to the product.

For service work, please contact the medifa technical customer service department.

medifa service hotline telephone number: +49 2721 7177 410

## 4.9 Extension device



### HAZARD

#### Risk of tipping over!

It is important to observe the following safety measures:

- The system consisting of operating table and Condor extension device (64000) is only approved for a maximum patient weight of 135 kg.
- The use of extension devices 64000 and 63000\_1 in combination with tables of series medifa 6000 equipped with stability cylinders (50650) is not permitted.
- The longitudinal movement of the operating table must be set to the zero position (LEVEL).
- During patient transport, the patient must be positioned with the centre of gravity centrally above the lifting column. The patient's head must be positioned on the head plate for this. The attachment plate of the extension unit and the upper back and head plate of the operating table must be attached.
- Patient transport should be carried out by two people.
- The driving behaviour during patient transport should be adjusted if the floor is uneven.
- The extension device may only be used with the support supplied. The supplied support must be used during the procedure.
- When adjusting the height function, the supplied support must be adjusted simultaneously.

#### 4.9.1 Transferring of patient:

1. Before transferring the patient, check that the lying surface of the operating table is set to the zero position (LEVEL). There can be collisions or loss of stability if the longitudinal displaceability is displaced!
2. The leg plates of the extension device must not be attached during the transfer phase.
3. The operating table must be configured with an upper back plate and head plate during transfer so that the patient can be positioned centrally above the column.

#### 4.9.2 Patient transport:

1. The leg plates must not be attached during transport to the operating theatre.
2. The operating table must be configured with the head plate and the upper back plate for transport so that the patient is positioned centrally above the column.
3. Patient transport should be carried out by two people.
4. The driving behaviour during patient transport should be adjusted if the floor is uneven.

#### 4.9.3 Surgical procedure

1. The surgical procedure with the extension device may only be performed with the support attached. When adjusting the height function, the support must be adjusted simultaneously.
2. The longitudinal displacement must be in the zero position (LEVEL) during the entire operation.



### CAUTION

#### Patient hazard due to danger of collision!

- When inserting the extension device, the longitudinal displacement of the lying surface must not be moved. Moving the table top may cause the extension device to collide with the column of the operating table.
- If the operating table is moved downwards without first releasing the height adjustment of the support, the support, the extension device and / or the operating table may be damaged.



Follow the additional instructions for use of the extension device.

## 5. medifa 6000

### 5.1 Intended use

The described products are exclusively intended for human medical purposes!

The medifa 6000 operating table is intended for the following uses in combination with other medifa accessories:

- Positioning of patients from induction of anaesthesia through operation till the discharge of anaesthesia.
- Patient transport on the medifa 6000 from a transfer facility to the surgical room or from the surgical room to the transfer facility (in compliance with the conditions for patient transport).
- Positioning the patient for X-rays.

No contraindications are known.

The medifa 6000 operating table was developed for human patients.

The patient is positioned on the medifa 6000 according to general practice and doctrine. The medifa 6000 must be covered with sterile material before use.

The transport of objects, devices or materials on the medifa 6000 is prohibited. The operating table may only be used / operated by trained medical and nursing staff in a responsible and controlled manner.

The training of operating and nursing personnel shall be carried out by the manufacturer or by other persons authorised by the manufacturer.

This user manual must be followed for the intended use of the medifa 6000. Any other use of medifa 6000 shall be deemed to be not in compliance with the intended purpose. The supplier/manufacturer shall not be liable for personal injury or damage to property as a result of improper operation or use.

### 5.2 Users

This user manual describes tasks and obligations for several user target groups.

In this context, we group medical professionals into two categories: doctors, such as surgeons, orthopaedists and anaesthetists, as well as surgical assistants and nursing staff.

The third user group consists of cleaning staff and technicians.

All target groups must be instructed by the operator according to their field of activity, their education and professional experience on the device in order to operate the device as intended. For technicians, only secondary information is included, if at all, since there is a separate instruction specifically for this target group.

### 5.3 Warning stickers on medifa 6000

Observe the danger points and hazards marked by warning symbols (stickers) on the medifa 6000. All warning symbols on the product must be complete and legible. They must not be moved, altered, removed, or covered by other objects. Damaged or detached warning symbols must be replaced according to the specifications.

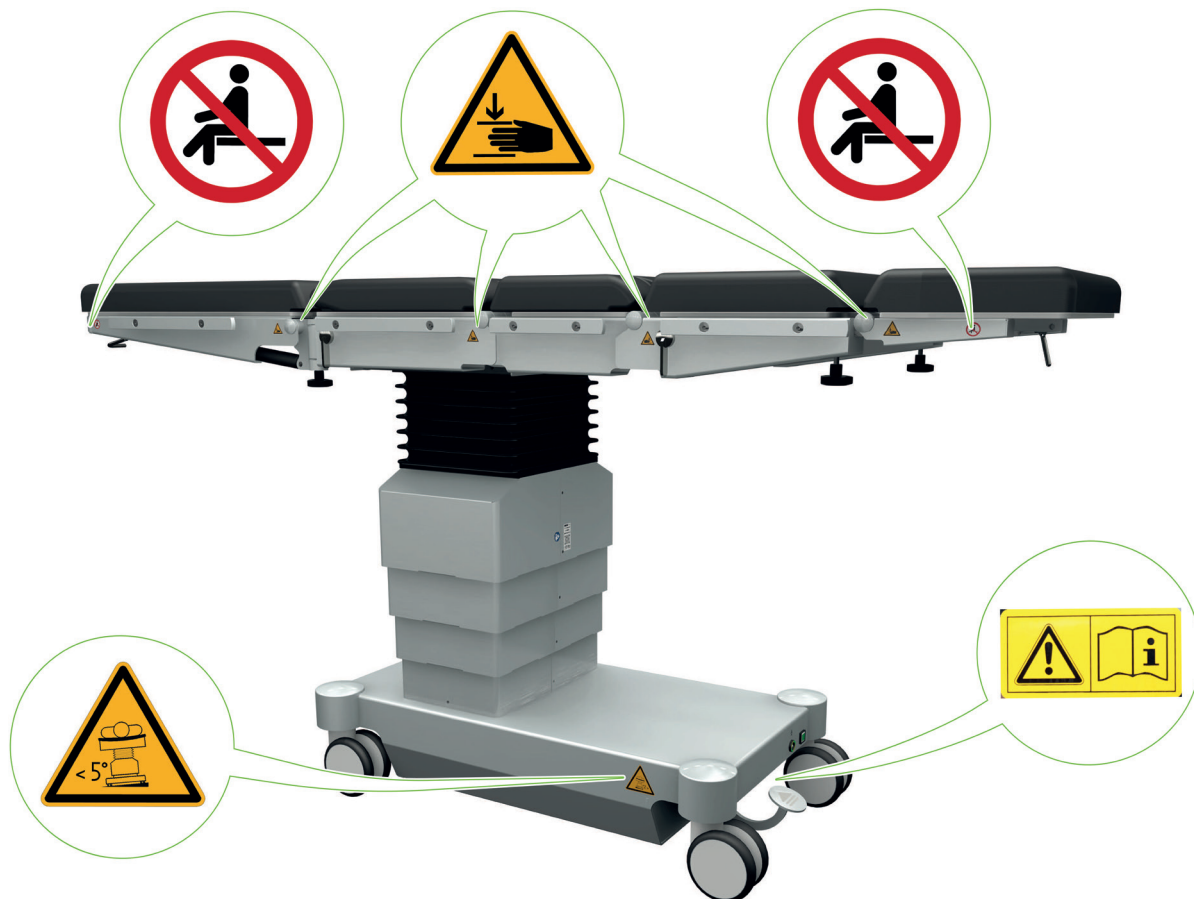






Fig. 1: Warning stickers on medifa 6000

Symbol	Description
	Danger of crushing
	Do not sit!
	Risk of injury due to tilting of the medifa 6000 The medifa 6000 may only be operated on surfaces with a maximum inclination of 5°.
	Be sure to read the user manual before using (sticker above mains connection).

#### 5.4 medifa 6000 and components

The medifa 6000 in the 601820 and 601700 versions has a two-part table top (without head, leg and upper back plates), with two hydraulically adjustable joint pairs (back and kidney joints) and a rigid coupling point for the head and leg plates.

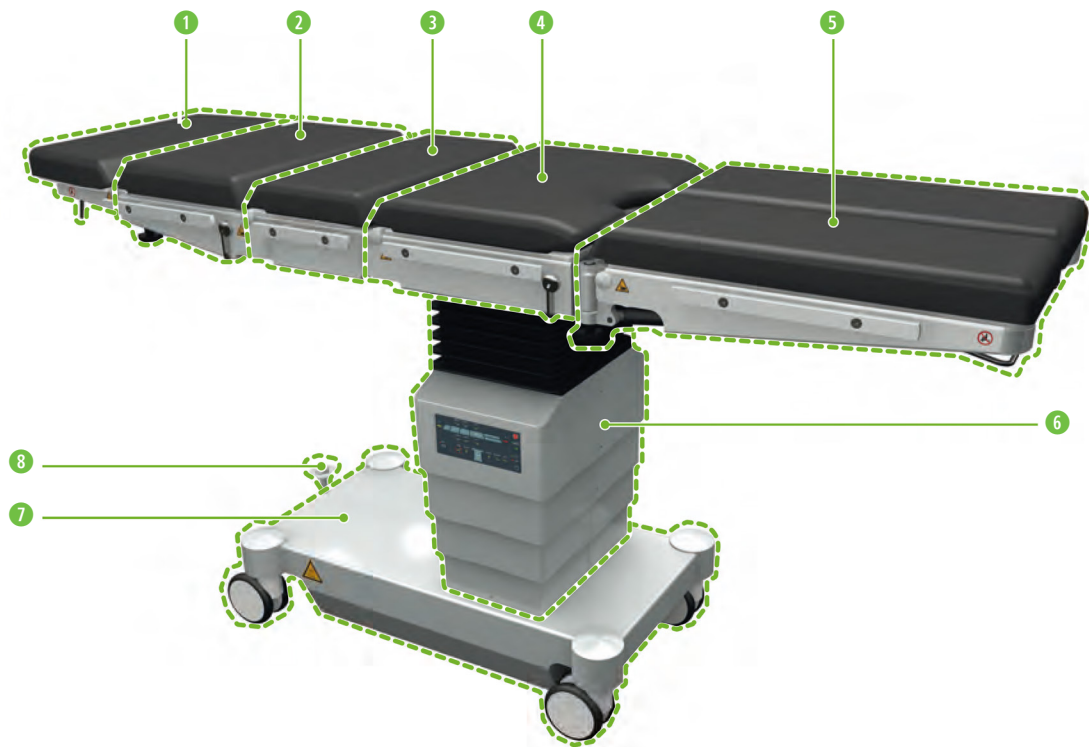


Fig. 2: medifa 6000 (model 601820 / 601700)

- |                              |                               |
|------------------------------|-------------------------------|
| ① Head plate (optional)      | ② Upper back plate (optional) |
| ③ Lower back plate           | ④ Pelvic plate                |
| ⑤ Split leg plate (optional) | ⑥ Lifting column              |
| ⑦ Socket                     | ⑧ Foot pedal 5th wheel        |

## 5.5 Lifting column

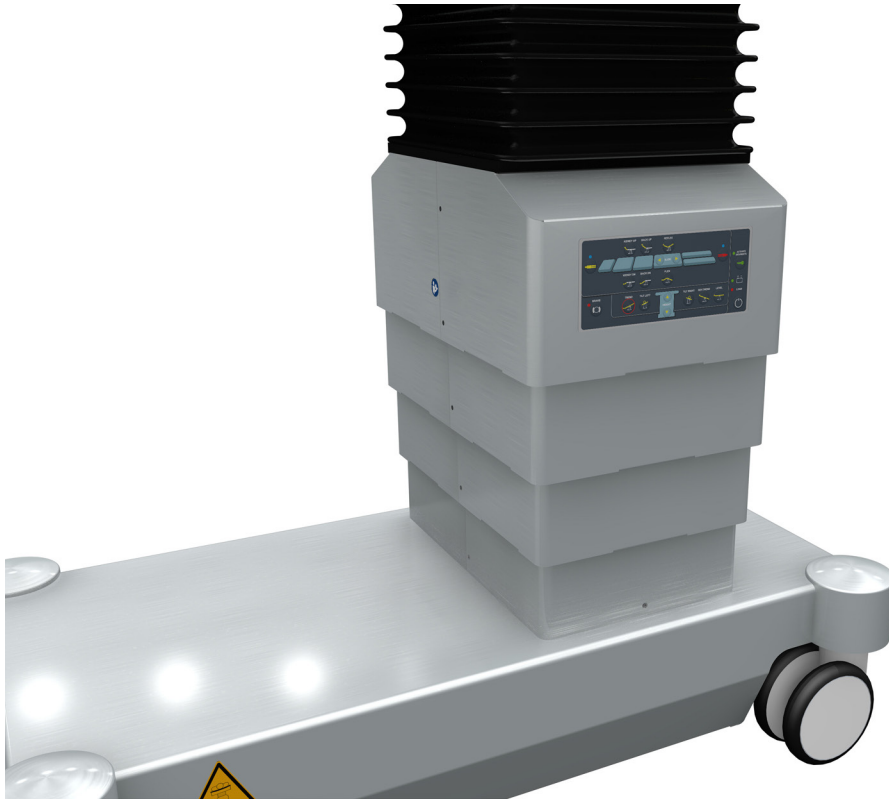


Fig. 3: Lifting column with column keypad

The lifting column contains:

- Column keypad
- Connection for the manual switch
- Infrared receiver of the infrared manual switch (optional)
- Manual safety system (optional)



Fig. 4: Connection for the manual switch

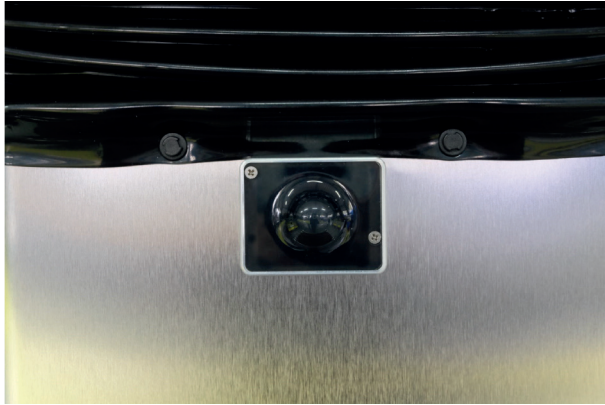


Fig. 5: Infrared receiver on the lifting column (optional)



Fig. 6: Lifting column with safety system (optional)

## 5.6 Socket



Fig. 7: Main switch and connections on the socket

The socket contains:

- the manual trolley
- sockets for the power cable, equipotential bonding and optional foot-operated switch
- main switch
- battery fuse and mains fuses
- fifth wheel under the socket and foot pedal
- foot pedals of the manual safety system (optional)



Fig. 8: Fifth wheel centred under the socket



Fig. 9: Trolley, foot pedal for 5th wheel (left), optional foot pedal safety system (centre, right)

#### 5.6.1 Stability cylinder (optional)

The stability cylinders ensure increased stability of the medifa 6000.

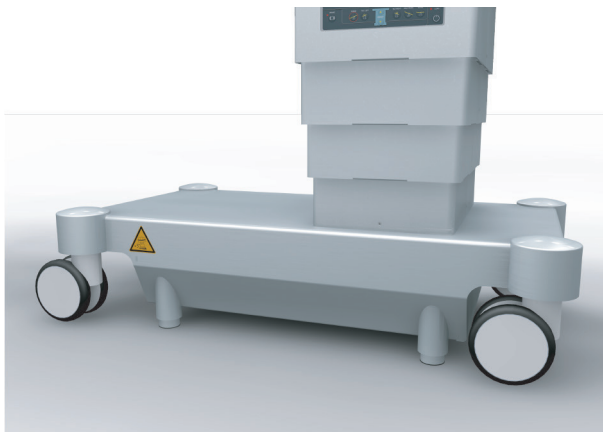


Fig. 10: Socket with stability cylinder

## 5.7 Trolley

The medifa 6000 has a trolley. The handling behaviour of the medifa 6000 is regulated by 4 freely swivelling double castors. So as to prevent collisions, the user must control the medifa 6000 manually. In order to do this, the medifa 6000 is attached to the side standard rails

### 5.7.1 Fifth wheel

In addition to the 4 freely swivelling double castors, the trolley has an additional 5th wheel in the middle under the medifa 6000. The 5th wheel supports the user when moving the table.

**H** The 5th wheel has a directional support and stabilising effect during movement, so use of the 5th wheel is recommended. The 5th wheel only moves in a straight line and must be retracted when moving the table at right angles to the direction of travel.

The fifth wheel is extended or retracted using a foot pedal.



Fig. 11: Manual trolley with foot pedal



Fig. 12: Fifth wheel centred under the socket

### 5.8 Connections and symbols

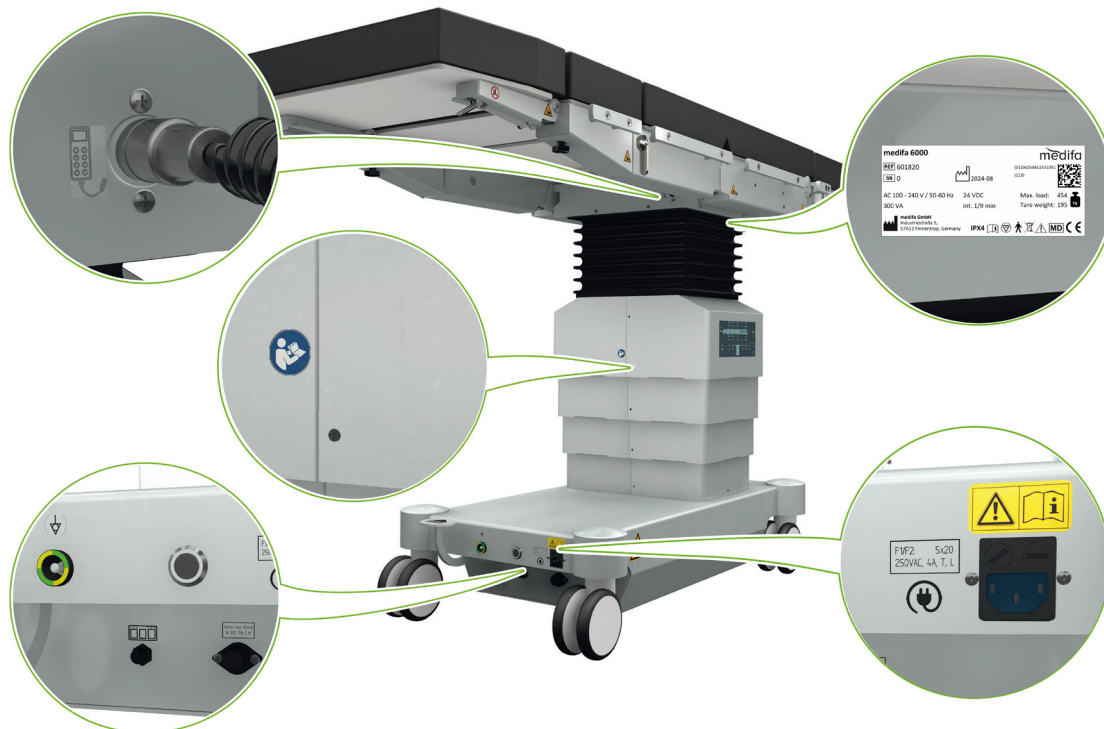
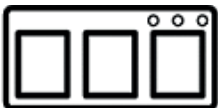
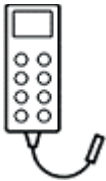


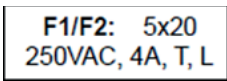




Fig. 13: Symbols on the medifa 6000 (example)

Symbol	Place	Description
	Socket	Connection for the foot-operated switch
	Lifting column	Connection for the manual switch
	Socket	Connection for potential equalisation
	Socket	Connection for the mains cable
	Socket	Information on mains fuse

Symbol	Place	Description
	Socket (sticker on the power socket on the recessed socket).	Be sure to read the user manual before using.
	Lifting column (next to the type label)	Adhere to the user manual.

### 5.9 Type label

The type label is located on the base frame above the lifting column of the medifa 6000.

 See chapter 'Connections and symbols'

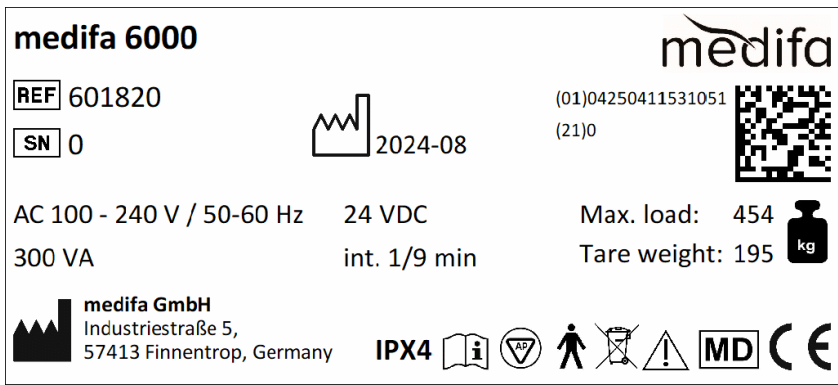

















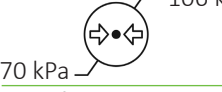











Fig. 14: Type label

Element / symbol	Description
	Manufacturer details and contact information
	Production period
	Article number
	Serial number
	Data matrix code (UDI carrier)
(01)	UDI-DI
(21)	Serial number

Element / symbol	Description
	Details of unladen weight and maximum additional load
	Degree of protection against electric shock: applied part type B
	Observe the safety instructions in the accompanying documents
	Medical product
	Read the user manual
	Observe instructions for disposal
	The device is declared compliant according to 2017/745 ordinance
IPX4	Protection against splash water
int. 1/9 min	Continuous operation with intermittent load (DBAB) 1 min ON, 9 min OFF
AC 100 - 240 V	Input voltage
24 VDC	Battery voltage
300 VA	Power consumption
50-60 Hz	Frequency of input voltage
	Class AP device

### 5.10 Symbols on the transport packaging

On the transport packaging, there are various symbols related to handling.

Element / symbol	Description
	Temperature range for storage and transport -20 °C to 50 °C.
	Relative humidity for storage and transport 10% to 95%.
	Air pressure for storage and transport 70 kPa to 106 kPa.
	Protect transport packaging from moisture.
	Read the user manual.
	Protect against sunlight.
	Manufacturer information
	Observe instructions for disposal.
	Data matrix code (UDI carrier)
	Medical product
	Production period
	Article number
	Serial number
	The device is declared compliant according to 2017/745 ordinance

## 5.11 Padding

The padding is made of 60 mm thick PUR padding or 80 mm thick SFC padding.

### ATTENTION

**Do not use if the padding surface is damaged.**

Operating the medifa 6000 with non-approved padding is prohibited and will result in loss of CE conformity.

They are fastened to medifa 6000 by means of stud-mounting holes. The padding is disinfected and washable as well as radiotransparent. Furthermore, the padding is latex-free and breathable.

The padding prevents pressure necrosis of the patient. Medically trained personnel must eliminate the residual risk through active decubitus prophylaxis when positioning the patient. The padding is antistatic and, when fastened properly, complies with the normative regulations.

📖 See chapter 'Attaching and removing padding'



Fig. 15: Padding

### 5.12 Square receptacles for table segments

The table top segments have square bolts on both sides, which are pushed into the opening on the operating table and secured with a star grip or locking lever. Thus, additional table top elements such as leg or head plates can be attached quickly, easily and securely without tools.



Fig. 16: Square receptacles for table segments (example)

### 5.13 Standard rails

The standard rails on the right and left of the table top are used for moving, controlling and attaching accessories.

#### 5.13.1 Maximum permissible torques

The maximum permissible torque on a standard rail of medifa 6000 is 100 Nm over the longitudinal axis and 150 Nm over the transverse axis.

The torque is applied as soon as an accessory is coupled to the standard rails.

The dead weight of an accessory used can be found in the appendix to these instructions for use!

See chapter 'Accessories'

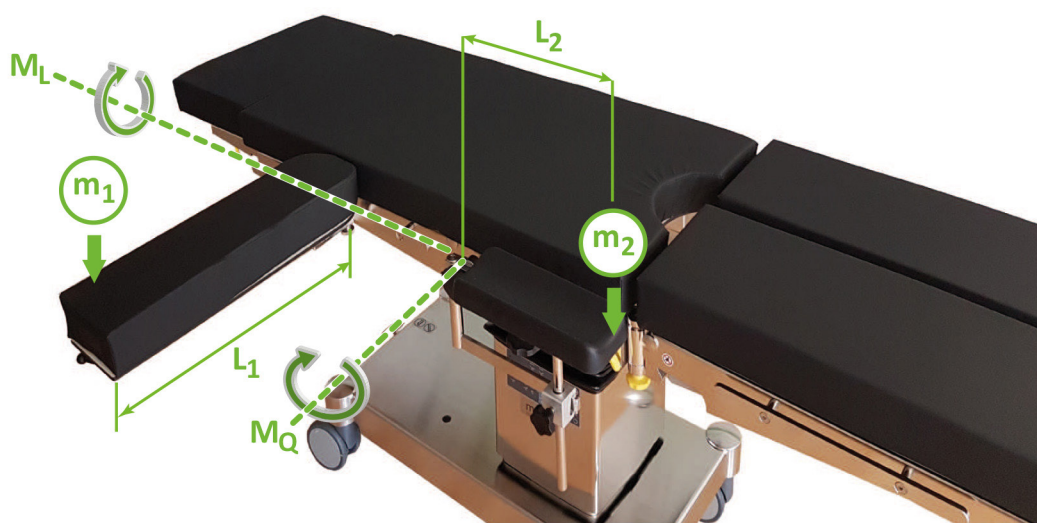


Fig. 17: Torque on standard rails

[L<sub>1</sub>] = Length 1

[m<sub>2</sub>] = Mass 2

[L<sub>2</sub>] = Length 2

[M<sub>L</sub>] = Longitudinal moment

[m<sub>1</sub>] = Mass 1

[M<sub>Q</sub>] = Transverse moment

The torque acting on the standard rails can be approximately calculated using the following rule of thumb.

$$M \text{ (L or Q)} = m \times L \times 10$$

$$\text{Torque [Nm]} = \text{Mass [kg]} \times \text{Length [m]} \times 10[\text{m/s}^2]$$

For the mass (m), specify the weight of the patient body part to be placed on the accessory.



### WARNING

#### Risk of personal injury due to tilting of the medifa 6000!

Irrespective of the permissible load on the individual standard rails, a one-sided total moment of 100 Nm over the longitudinal axis and 150 Nm over the transverse axis of the medifa 6000 must not be exceeded when used as intended!

### 5.14 Radiological capability

The table top is completely radiolucent between the spars. The column area is not radiolucent.

For low-artifact fluoroscopy, avoid wrinkling the padding and other overlying materials (cloths, underlays).

### 5.15 Internal and external power supply

medifa 6000 has electronics, which monitor both the charging mode (external power supply) and the state of charge of the lead-gel batteries (internal power supply).

#### External power supply

The external power supply of medifa 6000 is provided via the power supply of a room (not the surgical room). medifa 6000 requires approx. 9 hours to fully charge. The charging current is reduced to a trickle charging current once the charging process is complete. The trickle charging current is harmless to the lead-gel batteries.

The mains plug has a pull-out fuse. In order to remove the mains plug from the mains socket:

1. Press and hold the red button on the pull-out guard.
2. Pull the mains plug out of the mains socket.



Fig. 18: Mains socket (mains plug with pull-out fuse)

### Lead-gel batteries

The internal power supply is provided by two lead-gel batteries. See technical data for details. Electrical connection details

## ATTENTION

### Defective lead-gel batteries

Inform customer services if the batteries are faulty

### 5.16 Standard accessories

For information on frequently used accessories, please refer to the relevant accompanying documentation.

This user manual also contains instructions on the use of the standard accessories listed below:

#### Split leg plates

-  See chapter 'Attaching the split leg plates'
-  See chapter 'Removing the split leg plates'

#### Head plate

-  See chapter 'Attaching the head plate'
-  See chapter 'Removing the head plate'

## 6. Controls



### CAUTION

#### **Risk of injury!**

Please familiarise yourself with the keyboard symbols and their functions thoroughly to avoid misinterpretation of the function or incorrect patient positioning.

The medifa 6000 can be operated using the following controls:

- Column keypad
- Manual switch (wired)
- Optional infrared manual switch
- Optional foot-operated switch
- Optional manual safety system

### **6.1 Manual switch**

The medifa 6000 is displayed in a graphically simplified way on the manual switches. The manual switch keyboard is backlit. The graphical display shows the functions of the lifting column, the brake mechanism and the Trendelenburg, lateral and height adjustment functions in the upper area. Below this are the functions of the table top segments (viewed from the head end). The buttons for the adjustment functions are marked with arrows and assigned to the corresponding table top segments.

The direction of movement of the individual functions refers to the figure shown.

All functions of medifa 6000 can be fully operated via the manual switch (wired or infrared) and are shown simultaneously by a visual display on the manual switch display.

### 6.1.1 Operation and function of the buttons

Hold button	Function on
Release button	Function stops and interrupts the process immediately

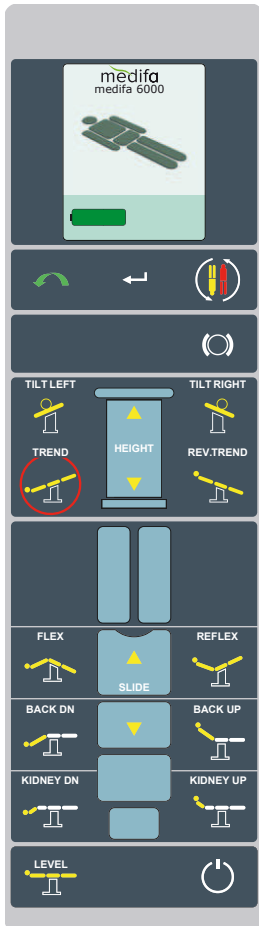


Fig. 19: Manual switch

### 6.1.2 Notes on the infrared manual switch (optional)



#### WARNING

##### Risk of explosion/fire and release of harmful substances

- Only use the original battery charger, which generally ensures that the battery is not damaged during charging.
- The battery may only be replaced by personnel trained by medifa.

The following instructions must be observed to ensure that the infrared manual switch functions safely and continuously:

- The infrared sensor on the lifting column must not be covered by obstacles (cloths, sheets, etc.).
- The signal path between the transmitter (manual switch) and receiver (infrared sensor on the lifting column) must always be clear. The signal range is 3 metres.

The battery of the infrared manual switch may only be charged with the corresponding charging adapter.
















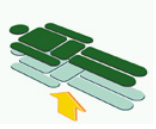
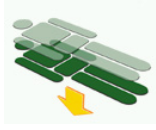

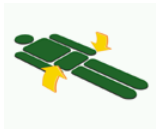

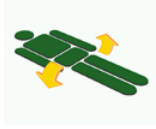





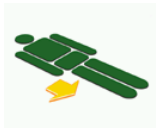
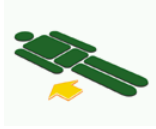
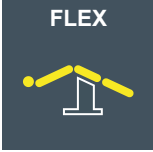

Fig. 20: Mains adapter of the infrared manual switch
















Fig. 21: Charging station with mains plug for the infrared manual switch

- Notify medifa customer service if the battery of the infrared manual switch is defective.

Symbol of manual switch	Symbol of display	Name	Function and operation
		Battery status empty - red	< 20% capacity! Charge the battery immediately. Remove medifa 6000 from the surgical theatre and charge it.
		Battery status normal - yellow	79 – 20% capacity – Working mode. Batteries are ready to use.
		Battery status full - green	100 – 80% capacity – batteries are full. medifa 6000 can be disconnected from the mains and put into the surgical theatre.
			Button not assigned.
			Button not assigned.
		Normal position	Normal position on head side. The patient's head is at the head end of the table top. No symbol for the normal position is shown on the display.
		Reverse position	medifa 6000 is aligned in reverse position. The patient's head is at the foot end of the table top.
	No display	BRAKE Brake applied	If no red brake symbol appears on the display, the brake is applied. The medifa 6000 is braked. All functions are released.
		BRAKE Brake released	If the red brake symbol appears on the display, the brake is released. The medifa 6000 is not braked. All functions except the Trendelenburg function are disabled.

Symbol of manual switch	Symbol of display	Name	Function and operation
		<b>HEIGHT</b> Height adjustment upwards	Raises the entire table top.
		<b>HEIGHT</b> Height adjustment downwards	Lowers the entire table top. Position for the patient to get in and out, and to move the medifa 6000.
		<b>TILT LEFT</b> Lateral to the left	Tilt the table top over the longitudinal axis to the left.
		<b>TILT RIGHT</b> Lateral to the right	Tilt the table top over the longitudinal axis to the right.
		<b>TREND</b> Trendelenburg	Tilt the table top over the transverse axis in the head-down position.
		<b>REV.TREND</b> Anti-Trendelenburg	Tilt the table top over the transverse axis in the foot-down position.
		<b>SLIDE ▲</b>	Longitudinal shift of the table top in the direction of the footrest. This function is not available on the model 601700.
		<b>SLIDE ▼</b>	Longitudinal shift of the table top towards the head. This function is not available on the model 601700.
		<b>FLEX</b> FLEX Position	Table top moves to the FLEX position.

Symbol of manual switch	Symbol of display	Name	Function and operation
		REFLEX Position	Table top moves to the REFLEX position.
		BACK DN Back downwards	The back plate is tilted downwards.
		BACK UP Back upwards	The back plate is tilted upwards.
		KIDNEY DN Renal bridge down	Upper back plate is tilted downwards.
		KIDNEY UP Renal bridge up	The upper back plate is tilted upwards.
		LEVEL Zero position	All electrically driven table segments move into the horizontal position.
		On/off switch Manual switch	Turning the manual switch on and off. All functions can be selected after switching on.

## 6.2 Column keypad

The column keypad of the medifa 6000 is a permanently integrated control unit on the metal cladding of the lifting column. The column keypad is backlit. The medifa 6000 is displayed in a graphically simplified way on the column keypad. The functions of the table top are shown at the top, with the functions of the lifting column below. The adjustment function buttons are indicated by arrows. The direction of movement refers to the illustration of the column keypad and not necessarily to the actual direction of movement of the medifa 6000, which can be changed using the buttons at the user position.

Hold button	Function on
Release button	Function stops and interrupts the process immediately

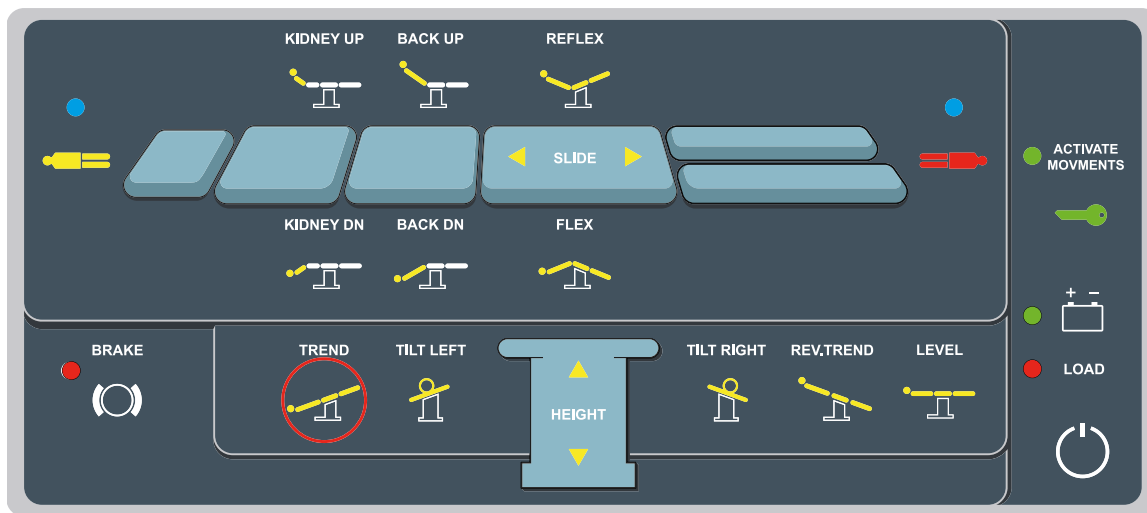
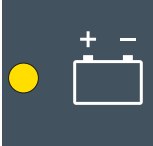
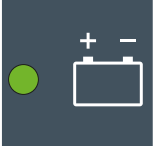
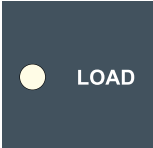
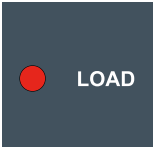




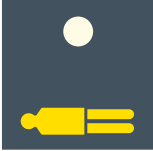

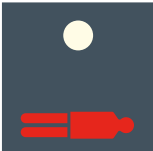
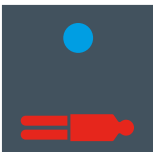





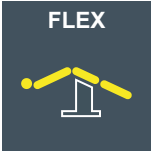







Fig. 22: Column keypad

Symbol	Name	Function and operation
	Keypad lock on - LED off	The control panel of the column keypad is always locked. This prevents unintentional function activation.
	Key lock off - green LED	The buttons are enabled. The keypad locks automatically 10 seconds after the last key is pressed via the column keypad.
	Battery status empty - red LED	< 20% capacity! Charge battery immediately. Remove medifa 6000 from the surgical theatre and charge it.

Symbol	Name	Function and operation
	Normal battery status - yellow LED	79 – 20% capacity – Working mode. Batteries are ready to use.
	Battery status full - green LED	100 – 80% capacity – batteries are full. medifa 6000 can be disconnected from the mains and put into the surgical theatre.
	LOAD Battery operation active - LED off	Power cable not connected. Energy is supplied by the lead-gel batteries.
	LOAD Charge in progress - red LED	Power cable connected. medifa 6000 is charging. medifa 6000 must not be used in the surgical theatre.
	On/off switch Column keypad	Switching on and off is done on the column keypad.
	BRAKE Brake applied - LED off	If the LED is off, the medifa 6000 is braked. All functions are released.
	BRAKE Brake released - red LED	If the LED is red, the medifa 6000 is not braked. All functions except the Trendelenburg function are disabled.
	SLIDE ►	Longitudinal shift of the table top towards the foot. This function is not available on the model 601700.
	SLIDE ◀	Longitudinal shift of the table top towards the head. This function is not available on the model 601700.

Symbol	Name	Function and operation
	Normal position inactive - LED off	The normal position is not active. LED is off. Reverse position is selected.
	Normal position active - blue LED	Normal position on head side. The patient's head is at the head end of the table top.
	Reverse position inactive - LED off	The reverse position is not active. LED is off. Normal position is selected.
	Reverse position active - blue LED	Foot-side position. The patient's head is at the foot end of the table top.
	KIDNEY UP Renal bridge up	The upper back plate is tilted upwards.
	KIDNEY DN Renal bridge down	Upper back plate is tilted downwards.
	BACK UP Back upwards	The back plate is tilted upwards.
	BACK DN Back downwards	The back plate is tilted downwards.
	REFLEX Position	Table top moves to the REFLEX position.


Symbol	Name	Function and operation
	FLEX Position	Table top moves to the FLEX position.
	HEIGHT Height adjustment upwards	Raises the entire table top.
	HEIGHT Height adjustment downwards	The entire table top lowers.
	TREND Trendelenburg	Tilt the table top over the transverse axis in the head-down position.
	REV.TREND Anti-Trendelenburg	Tilt the table top over the transverse axis in the foot-down position.
	TILT LEFT Lateral to the left	Tilt the table top over the longitudinal axis to the left.
	TILT RIGHT Lateral to the right	Tilt the table top over the longitudinal axis to the right.
	LEVEL Zero position	All electrically driven table segments move into the horizontal position.




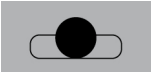



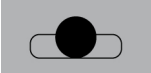
### 6.3 Foot-operated switch (optional)

The optional foot-operated switch allows quick selection of the three basic functions: Trendelenburg, height adjustment and lateral position.



Fig. 23: Foot-operated switch with 3 pedals

Pedal	Symbol	Function
Right side		The right pedal is used to select and connect through the basic functions from left to right. Each time the pedal is pressed, one function is switched further. The respective LED lights up blue.
		Height adjustment
		Trendelenburg
		Lateral adjustment

Pedal	Symbol	Function
Left side		 Height adjustment upwards medifa 6000 is started up when the function LED lights up.
		 Anti-Trendelenburg When the function LED lights up, medifa 6000 is moved to the Anti-Trendelenburg position.
		 Lateral to the left When the function LED lights up, medifa 6000 is tilted laterally to the left.
Centre		 Height adjustment downwards When the function LED lights up, medifa 6000 is lowered.
		 Trendelenburg When the function LED lights up, medifa 6000 is moved to the Trendelenburg position.
		 Lateral to the right When the function LED lights up, medifa 6000 is tilted laterally to the right.

#### 6.4 Manual safety system (optional)

The optional manual safety system on the lifting column to the right of the column keypad of the medifa 6000 ensures that the surgical table can be operated in the event of a failure of all electrical functions due to an electronic defect. The electrical functions are activated by using the foot pedal.

The patient positioning functions are selected on the control panel and then adjusted to the desired position using the foot pedals on the socket.



Fig. 24: Safety system with left and right function selector switch



Fig. 25: Foot lever manual safety system

#### 6.4.1 Operation and function of the safety system

If all electrical functions fail, the medifa 6000 can be used with the manual safety system.

### ATTENTION

#### Use only if electronic functions fail

The safety system should only be used in the event of a power failure (acute need).

### ATTENTION

#### Risk of malfunctions

When the functionality is restored:

If the function selection switches on the control panel are moved and the manual switch is then operated, it may cause malfunctions.

- Switch off the medifa 6000 at the main switch.
- Switch on the main switch again.
- The function switches on the control panel are automatically set to the zero position.

### ATTENTION









#### Limited function:

The longitudinal shift (SLIDE) cannot be adjusted with the safety system.



Fig. 26: Safety system

The control panel shows six different ways of positioning the patient on the table. The function switches must be set for the respective patient positioning. The table is operated using the foot pedals.

Description	Function switch on the left	Function switch on the right	Foot lever UP	Foot lever DOWN
Kidney – upper back section up	 1	 0	 x	
Kidney – top back part down	1	0		 x
Back – lower back section up	2	0	 x	
Back - lower back down	2	0		 x
Brake – brake fixed	3	0	 x	
Brake – release brake	3	0		 x

Description	Function switch on the left	Function switch on the right	Foot lever UP	Foot lever DOWN
Model with stability cylinder: Stability cylinders are retracted				
Lateral – to the right as seen by the patient	0	1		x
Lateral – to the left as seen by the patient	0	1	x	
Trendelenburg	0	2		x
Anti-Trendelenburg	0	2	x	
Height – upwards	0	3	x	
Height – downwards	0	3		x

## 7. Switch on and switch off medifa 6000



### WARNING

#### Risk of injury

- Do not crush or drive over the mains cable and potential equalisation cable and do not use damaged cables.
- Disconnect cables before changing location. If there are any concerns about the safety of the mains or potential equalisation cable, only work with the internal power supply until the cable in question has been replaced.
- Operate medifa 6000 only with a connected potential equalisation cable on an electrically conductive floor.
- The connection point for the potential equalisation cable on medifa 6000 complies with IEC 60601-1.



Fig. 27: Safety system

## 7.1 Establish potential equalisation



### CAUTION

#### Risk of personal injury due to electric shock

The risk of a possible patient leakage current is reduced and potential equalisation to all connected medical devices is ensured if medifa 6000 is connected to the potential equalisation in the room.



1. Connect the potential equalisation cable to the potential connection (pin) on the socket of medifa 6000.
2. Connect to the potential equalisation in the room.

## 7.2 Switch on medifa 6000



1. Switch on the main switch.

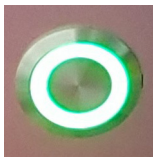


2. Press the on/off switch on the manual switch or on the column keypad.

## 7.3 Switch off medifa 6000



1. Press the on/off switch on the manual switch or on the column keypad.  
The light on the manual control unit and the column keypad goes out.



2. Switch off the main switch.

### Situations in which the main switch of medifa 6000 must be switched off:

- after delivery and charging of the batteries, if a longer period of inactivity follows.
- prior to a longer period of inactivity
- before each cleaning and disinfection

## 8. Charge medifa 6000



### HAZARD

#### **Mortal danger due to electric shock!**

- Set up medifa 6000 such that disconnectable plugs or devices are easy to reach.
- medifa 6000 must only be connected to a supply network with a protective earth conductor. This prevents the risk of electric shock. Cables with crush points and insulation damage may no longer be used. Replace such cables immediately.
- The cable should also be replaced if there are concerns about its perfect condition. Only work with the internal power supply until the cable in question has been replaced.



### WARNING

#### **Risk of explosion in connection with combustible mixtures of anaesthetics and air!**

The medifa 6000 is not designed to be used in an oxygen-enriched environment while charging on the mains. This may only be done on battery power.



### CAUTION

#### **Risk of personal injury due to tripping hazard!**

Do not roll over or crush the power cable! If possible, lay the cable in such a way that nobody can trip or fall over it!

### ATTENTION

#### **Note the mains voltage!**

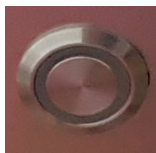
- Only connect medifa 6000 to the voltage specified on the type label!
- Do not extend the mains cable and do not use an extension cable! The permissible value of the patient leakage current is exceeded by the extension! Only use the power cable supplied!
- Charge medifa 6000 immediately after being used in the surgical theatre so that it is always ready for use.



The medifa 6000 must be fully charged before first use.

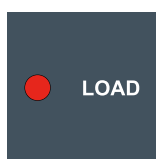


1. Insert the power cable into the connection for the power cable.

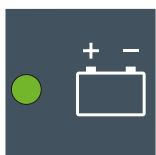


2. Insert the mains plug of the power cable into a socket.

3. Switch on the medifa 6000 using the main switch and check the column keypad to see if the medifa 6000 is charging.



The red LOAD LED on the column keypad must light up.

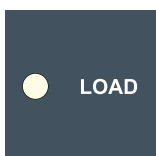


Approximately 9 seconds later, the LED next to the battery symbol on the column keypad lights up green.

After 2 hours charging time approx. 30%, after 5 hours 80% and after 9 hours 100% of the charging capacity is reached.



During the entire charging process, the manual switch displays the green charging symbol. A charging progress indicator is not available.



4. Disconnect medifa 6000 from the power supply by pulling the plug of the power cable out of the socket of the room.

5. If the display on the column keypad switches to battery operation, the LED next to LOAD goes out.

6. Now unplug the plug of the power cable from the connection jack on the socket.

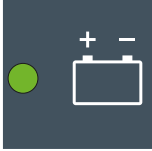

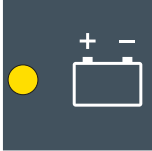

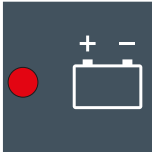
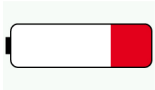
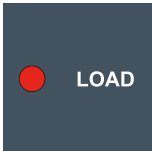
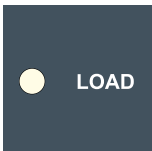


## WARNING

### Danger of personal injury.

Do not make any electromotive adjustments to medifa 6000 while it is disconnected from the power supply!

### 8.1 Recognising the battery charging mode and state of charge

Symbol of column keypad	Symbol of manual switch	Description
		80 – 100 % charging capacity With a fully charged battery, the electrical functions can be used for around 8 hours.
		20 – 79 % charging capacity
		0 – 20 % charging capacity Charge medifa 6000 immediately!
		The medifa 6000 is connected to a power supply. The batteries are charging.
		medifa 6000 is not connected to a power supply. The batteries are not charged.



#### CAUTION

##### Risk of personal injuries due to tilting of the medifa 6000

If the battery charge level changes to red, i.e. below 20% charge, the medifa 6000 must be removed from the surgical procedure immediately and recharged.

Otherwise, the patient shall be at risk due to batteries that are not ready for use or are no longer functional. The medifa 6000 may be connected to the power supply in order to bring the patient into a safe position on a one-off basis.

- For this purpose, first connect the mains plug to the medifa 6000 and then to the power supply.
- Ensure the patient's safety, if necessary, by repositioning them.
- Immediately take the medifa 6000 out of the surgical room to charge it in a separate room.

## 8.2 Possible faults and causes

Symbol of column keypad	Cause	Remedy
medifa 6000 cannot be switched on.	The medifa 6000 lead-gel batteries are completely discharged.	Connect medifa 6000 to the power supply.
medifa 6000 cannot be charged, the battery status display remains red.	Control electronics, power cable or input fuses (2x 4 AT) defective.	Notify technical customer service.
medifa 6000 cannot be charged, charging mode indicator is not lit.	Power input on medifa 6000 defective.	Notify technical customer service.

## 9. Patient transport



### CAUTION

#### Risk of personal injuries due to tilting of the medifa 6000

- The surgical table can tip over when driving over the thresholds.
- The medifa 6000 must always be moved at the lowest possible height and with two people!



### CAUTION

#### Risk of personal injury due to crushing!

- Do not jam your feet in the trolley section when turning or moving the medifa 6000.



### CAUTION

#### Danger of collision!

Take special care when transporting with the medifa 6000. Exclude collisions with persons in the area or the furniture and impact effects!

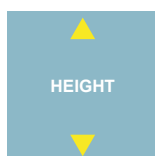
- Familiarise yourself with the driving behaviour before transporting a patient for the first time.

### 9.1 Notes on patient transport

The following conditions must be implemented before using medifa 6000:



1. Move the medifa 6000 to the zero position using the LEVEL button.
2. Position the spreadable leg plates parallel to the longitudinal direction of medifa 6000 by hand.
3. Fold the accessories on the medifa 6000 or remove them from the medifa 6000.



4. Press the HEIGHT button to move the table top to its lowest position.
5. Disconnect the mains plug and equipotential bonding conductor.

### ATTENTION

#### Damage to the cables!

Before moving medifa 6000, disconnect the mains and potential equalisation cables from medifa 6000. Do not roll over or crush the connection cable / potential equalisation cable when moving medifa 6000!

## 9.2 Patient transport with mechanical 5th wheel

The following conditions must be implemented before using medifa 6000:



### CAUTION

#### Patient hazard!

Monitor and control the movement of the medifa 6000!



1. Push the foot pedal to the top of its travel.  
The 5th wheel is being extended.
2. Press the '5th wheel' foot pedal down.  
The 5th wheel is being retracted.
3. The medifa 6000 is operated by two people.  
The direction, speed and stopping are determined by you.

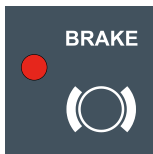
## 9.3 Patient transport without 5th wheel



1. Release the brakes of the medifa 6000 using the BRAKE button on the manual switch or on the column keypad. Keep the BRAKE button pressed until the function switches off after approx. 5-10 seconds.



2. Wait until the red brake symbol appears on the manual switch display.  
The brake is released.



3. On the column keypad, the LED next to the BRAKE button lights up red.

4. Drive the medifa 6000 manually with two people. The direction, speed and stopping are determined by you.

#### 9.4 Stability cylinders (optional)

The stability cylinders ensure increased stability of the medifa 6000.

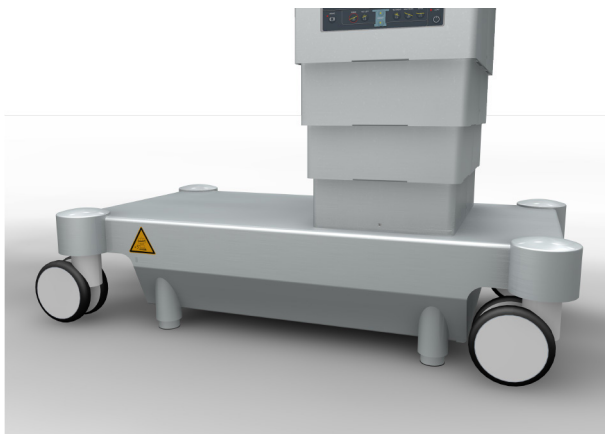


Fig. 28: Stability cylinders on the socket

#### Extend the stability cylinders



1. Bring the table to a halt.

2. Press the BRAKE button on the manual switch or column keypad until the stability cylinders are fully extended.

#### Retract stability cylinders



1. Press the BRAKE button on the manual switch or column keypad until the (brake) symbol disappears from the manual switch display.

2. The table can be moved again.

## 10. Apply the brake / release the brake on medifa 6000

Symbol	Name	Function and operation
		Brake button The medifa 6000 is being braked or the brake is being released. Press the button for at least 5-10 seconds until the function is triggered.
		Brake open – red The medifa 6000 is not braked or the brake system is not fully extended. When the table is unbraked, all functions except the Trendelenburg function are disabled.
		Brake applied The medifa 6000 is braked. All functions are released. No display on the manual switch.

### 10.1 medifa 6000 braking



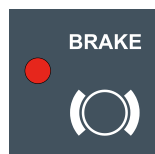
#### CAUTION

##### Patient hazard!

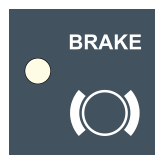
applying the brakes on the medifa 6000 while it is running is prohibited! First stop the medifa 6000.



1. Bring the medifa 6000 to a stop.
2. When the brake is released, the brake symbol on the manual switch lights up red.
3. On the column keypad, the diode next to the BRAKE button lights up red.

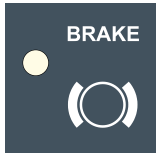


4. Press and hold the BRAKE button on the manual switch or column keypad until the function switches off after approx. 5-10 seconds.



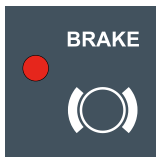
5. The red diode on the column keypad goes out.

## 10.2 Releasing the brake



When the brake is applied, the brake symbol does not light up on the manual switch display.

On the column keypad, the diode next to the BRAKE button does not light up.



1. In order to release the brake via the column keypad, press and hold the BRAKE button until the diode lights up red.

2. When using the manual switch, press the BRAKE button to disengage the brake.







When the brake is disengaged, a red display symbol appears on the manual switch. It is only possible to use the Trendelenburg adjustment.

3. The brake is now released. The medifa 6000 is mobile. Check this before moving off.

### Adjusting the brakes with the safety system

The optional manual safety system on the lifting column to the right of the column keypad of the medifa 6000 ensures that the surgical table can be operated in the event of a failure of all electrical functions due to an electronic defect.

Description	Function switch on the left	Function switch on the right	Foot lever UP	Foot lever DOWN
Brake – release brake	 3	 0	 x	
Brake – Apply the brake.	3	0		 x

## 11. Positioning of patient



### WARNING

#### **Patient hazard due to functional failure!**

The electrical functions must not be carried out continuously. One minute of electrical operation must be followed by 9 minutes without electrical operation. Otherwise there can be an overload and functions may fail. Strictly adhere to the limits of capacity utilisation.



### WARNING

#### **Patient hazard!**

A functional failure of medifa 6000 cannot be completely ruled out according to the current commercial state of the art. In this rare case, the motorised functions are no longer available during the operation. If the electrical functions fail, it is only possible to change the position of the patient by using suitable aids (e.g. padding placed underneath) or by recovering the patient from medifa 6000. If the medifa 6000 is equipped with a manual safety system, use the safety system to secure the patient positioning.



### CAUTION

#### **Danger of crushing!**

Risk of crushing due to moving parts. Familiarise yourself with the operation before use. Risk of injury from protruding parts.



### CAUTION

#### **Patient hazard - monitor patient position!**

To avoid injuries, the position of the patient on the medifa 6000 must be monitored permanently.

### 11.1 Preparing medifa 6000 for patient positioning

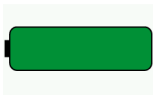
1. The medifa 6000 is disconnected from the external power supply. The lead-gel batteries are fully charged.



2. medifa 6000 should be turned on via the main switch.



3. Turn on the manual switch and the column keypad.
4. Apply the brakes on the medifa 6000, if not already applied.



5. Briefly check on the manual switch that the charging status display is green or yellow.

6. Cover the medifa 6000 with sterile tissues.

7. Prepare medifa 6000 (with accessories and controls).

 See chapter 'Configure medifa 6000 prior to surgery'



8. When operating the column keypad, the keypad lock must first be released by pressing the ACTIVATE MOVEMENTS key. The keypad being enabled can be seen when the diode above the locking key lights up green. Then immediately carry out the desired adjustments, as the time window for automatic locking is 10 seconds.



#### WARNING

##### Danger to the patient due to improper fastening!

- Check that the plate segments and accessories are securely attached to medifa 6000 before each use! Detached elements may move independently or slip out of place.
- Loosen the controls only for adjustment, then tighten them again immediately!
- Check fastening elements for secure fit!

## 11.2 Positioning the patients



### CAUTION


#### Patient hazard!

Danger of personal injury. Extremities must not overhang in the longitudinal direction!  
Due to incorrect loading, parts of the medifa 6000 can break off, or the medifa 6000 can tip over.  
The ascending or descending may only be carried out in the area of the lifting column via the seat plate!

#### Sequence for setting a desired patient position:

1. Please decide whether the patient should assume the normal position or the reverse position.  
For the reverse position, some modifications are required.
2. For adjusting the medifa 6000, press the function key on the keypad until the desired position is reached.  
The function stops when the button is released. The touch time is < 1 min.
3. Set the desired working height first by using the height adjustment.
4. Choose the desired patient position.
5. Lift the patient into the desired support position on medifa 6000; do not move over the padding.  
After each change of position, lift the corresponding body parts of the patient. Any folds or shear forces must be eliminated.
6. Secure the patient before adjustment and actively support the patient during the adjustment.

## 11.3 Normal position

Symbol of column keypad	Symbol of manual switch	Description
		<p>Normal position</p> <p>Normal position on head side. The patient's head is at the head end of the table top. The head position of the patient must always match the display on the manual switch and column keypad!</p>

### 11.4 Reverse position

For certain positions it is possible to reverse the table top, i.e. the patient lies the other way around on the table top, but the display on the column keypad no longer corresponds to the head position of the patient. Some table functions such as Trendelenburg or Lateral are then reversed. In this case, the head position of the patient must be manually set to the appropriate head position using the REVERSE button. The table movements are now carried out correctly. After switching medifa 6000 off and on again, the normal patient position is always active and is displayed on the column keypad.

**For the reverse position, some conversion measures must be carried out, which depend on the functional scope of medifa 6000.**

#### ATTENTION

##### No reverse position possible with a total weight > 250 kg

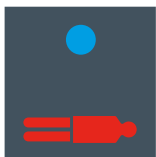
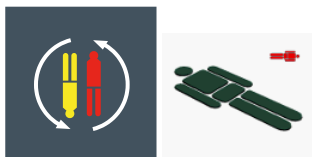
The reverse position may only be used up to a total load of 250 kg on the medifa 6000. Do not use the reverse position if the total load on the medifa 6000 is over 250 kg.

#### ATTENTION

##### Hazard due to collision!

When the table is in the reverse position, the upper frame must not be moved towards the foot. The head plate collides with the upper frame of the table.

1. Press the REVERSE button on the column keypad or the manual switch. The red little man appears on the manual switch display and the blue LED lights up on the column keypad next to the red patient symbol.

Symbol of column keypad	Symbol of manual switch	Description
		Reverse position Foot-side position. The patient's head is at the foot end of the table top.

### 11.5 Height (HEIGHT)

The complete table top is moved up or down with the height adjustment.

With various functions such as Trendelenburg and Lateral, height adjustment is always the first function used to set the desired table top height.

For each patient ascent and descent, the medifa 6000 is moved to the lowest position and then moved to the working height with the patient lying on it



#### CAUTION

##### Patient hazard!

The ascending or descending may only be carried out in the area of the lifting column via the seat plate!



#### CAUTION

##### Patient hazard!

When the table top is lowered, it may collide with the trolley, the floor or other objects which are located under the table top and which are possibly covered by cloths or underlays.

Pay particular attention to the table segments that are adjusted downwards! Clear the area under the table top or adjust the corresponding table segments (leg/back plate joints) further upwards.

Then move the table top down

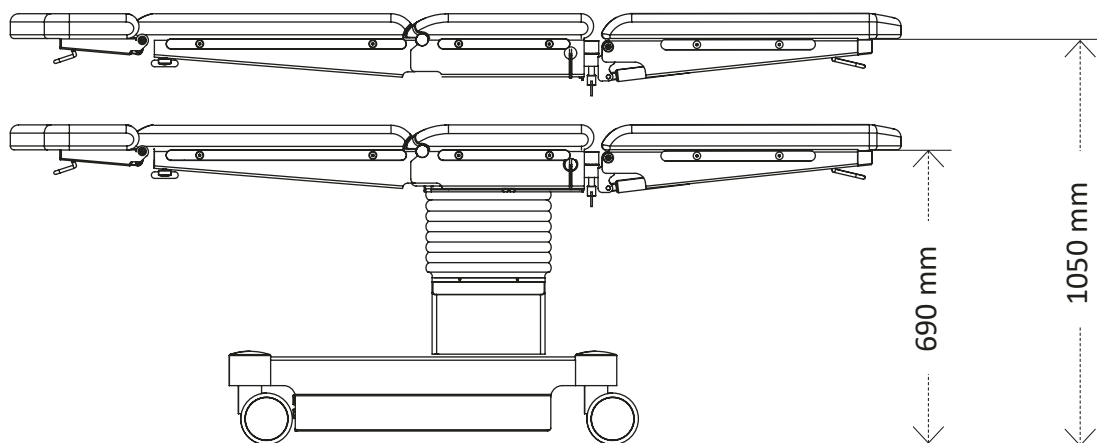
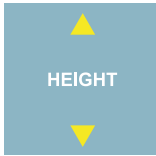
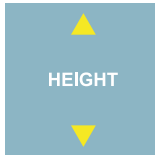

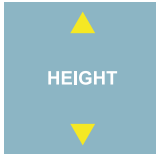
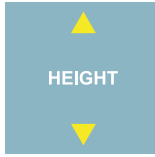







Fig. 29: Height adjustment

Column keypad	Manual switch	Foot-operated switch	Description
			Height adjustment to.
			Height adjustment from

**Adjusting the height with the safety system**

Description	Function switch on the left	Function switch on the right	Foot lever UP	Foot lever DOWN
				
Height – upwards	0	3	x	
Height – downwards	0	3		x

## 11.6 Trendelenburg/Anti-Trendelenburg (TREND/REV.TREND)

In this position, the table top is tipped over the transverse axis.



When the Trendelenburg and Anti-Trendelenburg functions are selected, the medifa 6000 can perform a combined longitudinal shift and Trendelenburg function so that the surgical intervention site on the patient (abdominal or torso area) is as central as possible above the lifting column.



### CAUTION

#### Patient hazard due to danger of collision!

When the table top is tilted (Trendelenburg/Anti-Trendelenburg), it may collide with the lifting column, the floor or other objects that are located under the table top and may be covered by cloths or pads.

To avoid the risk of all movements, monitor the table top continuously. Clear the area under the tabletop, raise the table top to a higher position or adjust the corresponding table top segments further up. Then move to the desired Trendelenburg/Anti-Trendelenburg position.

This function carries a risk of clamping and injury if the Trendelenburg function is approached at the lowest table height. Then the table segments of the upper back section collide with the socket of the medifa 6000.

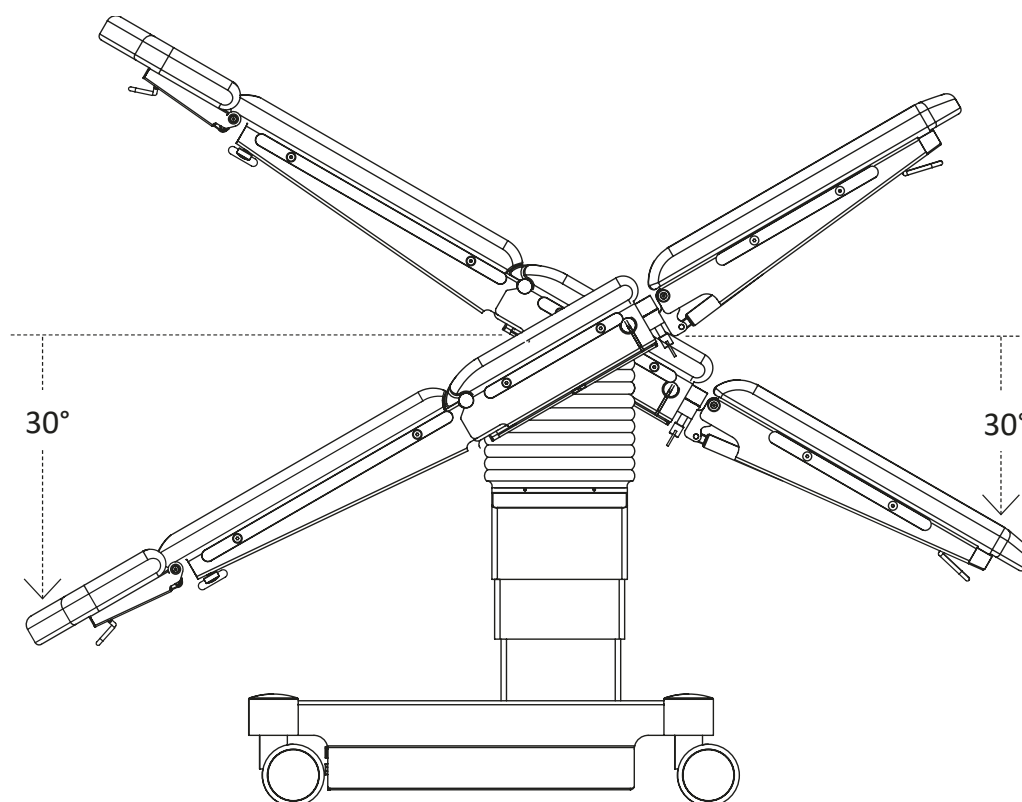
















Fig. 30: Trendelenburg- / Anti-Trendelenburg position

Column keypad	Manual switch	Foot-operated switch	Description
	 	 	<p><b>Trendelenburg</b> Tilting of the table top over the transverse axis in the head-down position.</p>
	 	 	<p><b>Anti-Trendelenburg</b> Tilting of the table top over the transverse axis in the foot-down position.</p>

### Adjusting Trendelenburg/Anti-Trendelenburg with the safety system

Description	Function switch on the left	Function switch on the right	Foot lever UP	Foot lever DOWN
Trendelenburg				
Anti-Trendelenburg	0	2	x	

### 11.7 Lateral position (TILT RIGHT/TILT LEFT)

In the lateral function, the table top is tilted to the left or right around its longitudinal axis. Lateral adjustment is not permitted in moving mode!



#### WARNING

**Risk of personal injury due to tilting of the medifa 6000!**  
No lateral adjustment may be made at maximum table load!

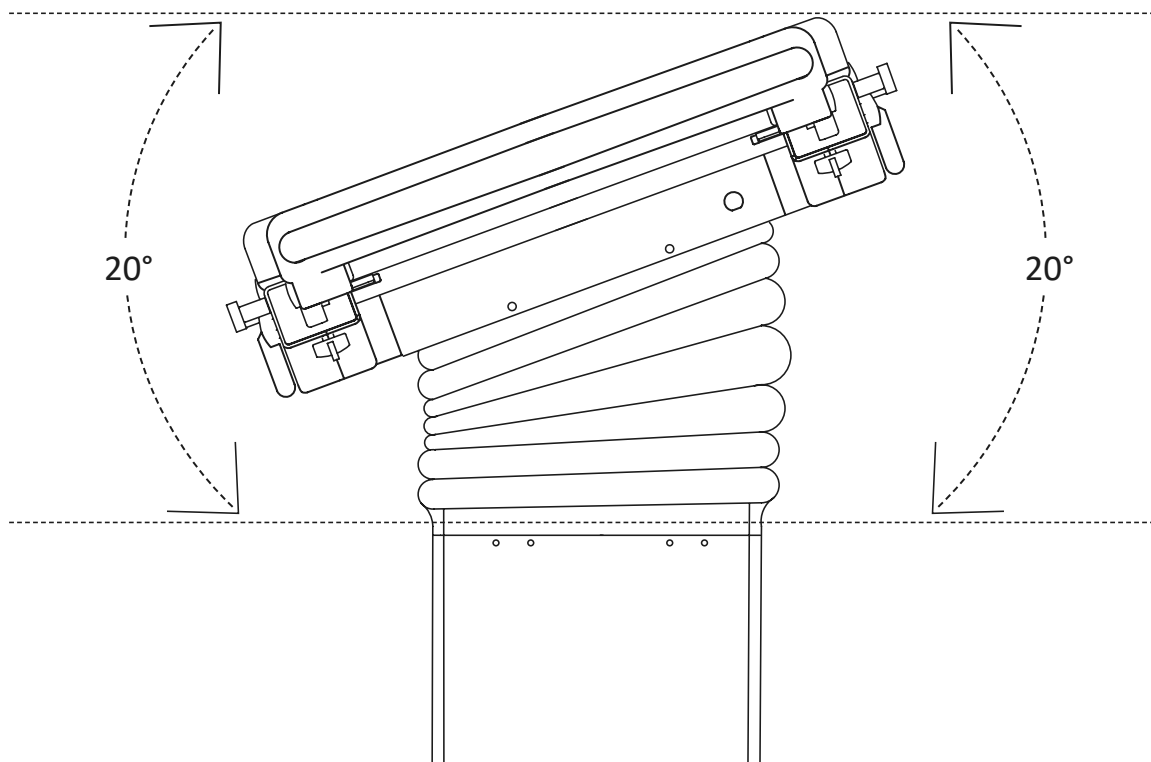


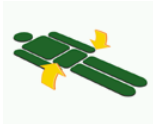
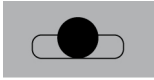



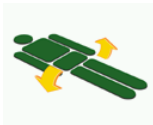
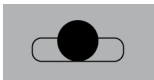







Fig. 31: Lateral adjustment

Column keypad	Manual switch	Foot-operated switch	Description
	 	 	Lateral to the left
	 	 	Lateral to the right

Adjust the lateral position with the safety system (optional)

Description	Function switch on the left	Function switch on the right	Foot lever UP	Foot lever DOWN
Lateral – to the right as seen by the patient				
Lateral – to the left as seen by the patient	0	1	x	x
Lateral – to the right as seen by the patient	0	1	x	x

## 11.8 Longitudinal shift (SLIDE)

The 601820 model has a longitudinal shift function.

In case of longitudinal shift, the table top is moved towards the foot or head end.

The longitudinal shift is 300 mm



If the back plate is folded down, the longitudinal shift is blocked, otherwise the back plate will collide with the lifting column.



### WARNING

#### Danger due to failure of electrical components!

- If the load exceeds 250 kg, longitudinal shift towards the head is NOT permitted in normal positioning.
- If the load exceeds 250 kg, longitudinal shift towards the foot is NOT permitted in reverse positioning.



### WARNING

#### Risk of tipping over due to accessories in the event of longitudinal shift

The 61125 and 63000\_1 accessories may only be used if the surgical table is not shifted in a longitudinal manner.

The double castors at the foot end must be facing forwards before the surgical table is locked (brakes) to ensure safe working.

## ATTENTION

#### Hazard due to collision!

- In case of longitudinal shift, ensure that there is sufficient distance from walls or other boundaries to avoid a collision.
- If the back plate is folded down, the longitudinal shift is blocked, otherwise the back plate will collide with the lifting column.
- When the table is in the reverse position, the table must not be pushed towards the head with the longitudinal shift. The head plate collides with the upper frame of the table.

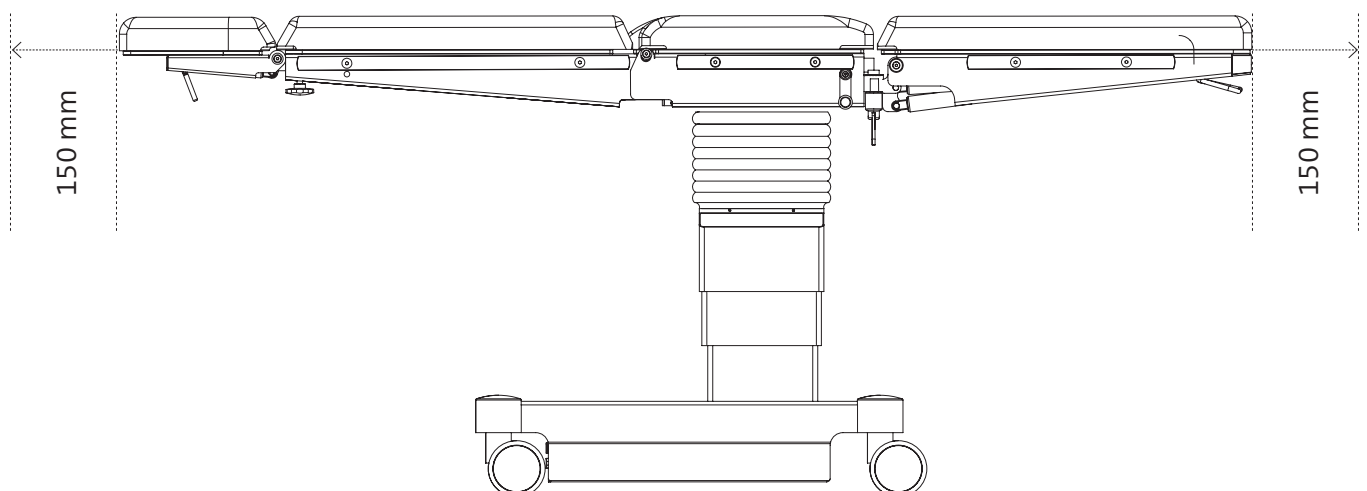
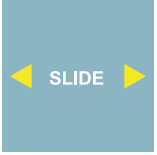
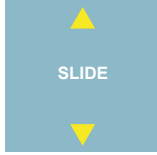
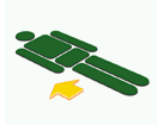
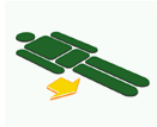


Fig. 32: Longitudinal shift of the table top with standard accessories

Column keypad	Symbol of manual switch	Description
		<p>Longitudinal shift of the table top towards the head or foot. Pressing the corresponding arrow button determines the direction.</p>
		
		

### 11.9 Back plate (BACK UP/BACK DN)

The back plate is firmly connected to the pelvic plate. The back plate joints can only be adjusted synchronously. The back plate function tilts the back plate up or down.



In case of foot-side removal (longitudinal shift) of the table top, adjustment into the negative range is not possible.

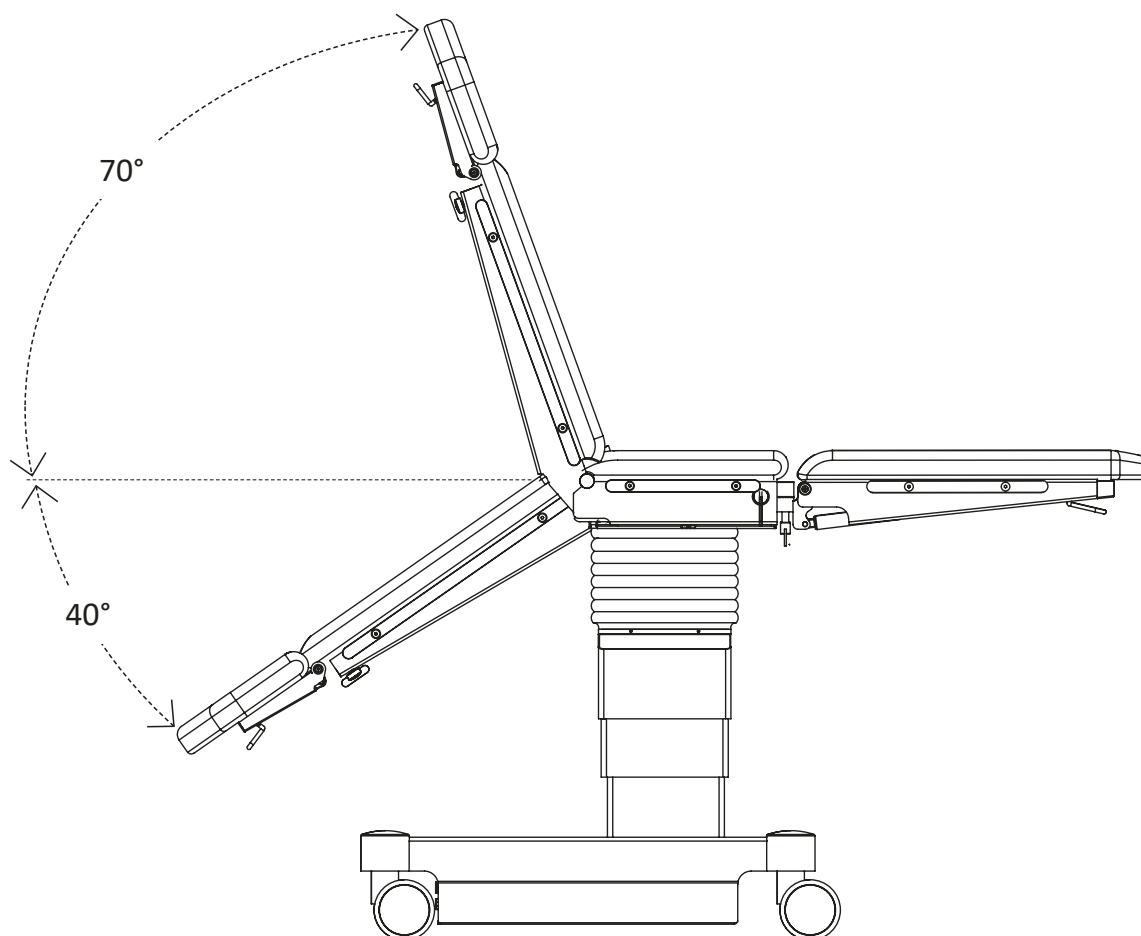






Fig. 33: Adjusting the backrest

Column keypad	Symbol of manual switch	Description
		<p>Back plate upwards Back plate with any head plate accessories is tilted upwards.</p>
		<p>Back plate downwards Back plate with any head plate accessories is tilted downwards.</p>

Adjust back plate with the safety system (optional)

Description	Function switch on the left	Function switch on the right	Foot lever UP	Foot lever DOWN
				
Back – lower back section up	2	0	x	
Back - lower back down	2	0		x

11.10 FLEX and REFLEX

When using the FLEX and REFLEX functions, two functions are performed simultaneously to create a kink between the pelvis and back plate of the table top.

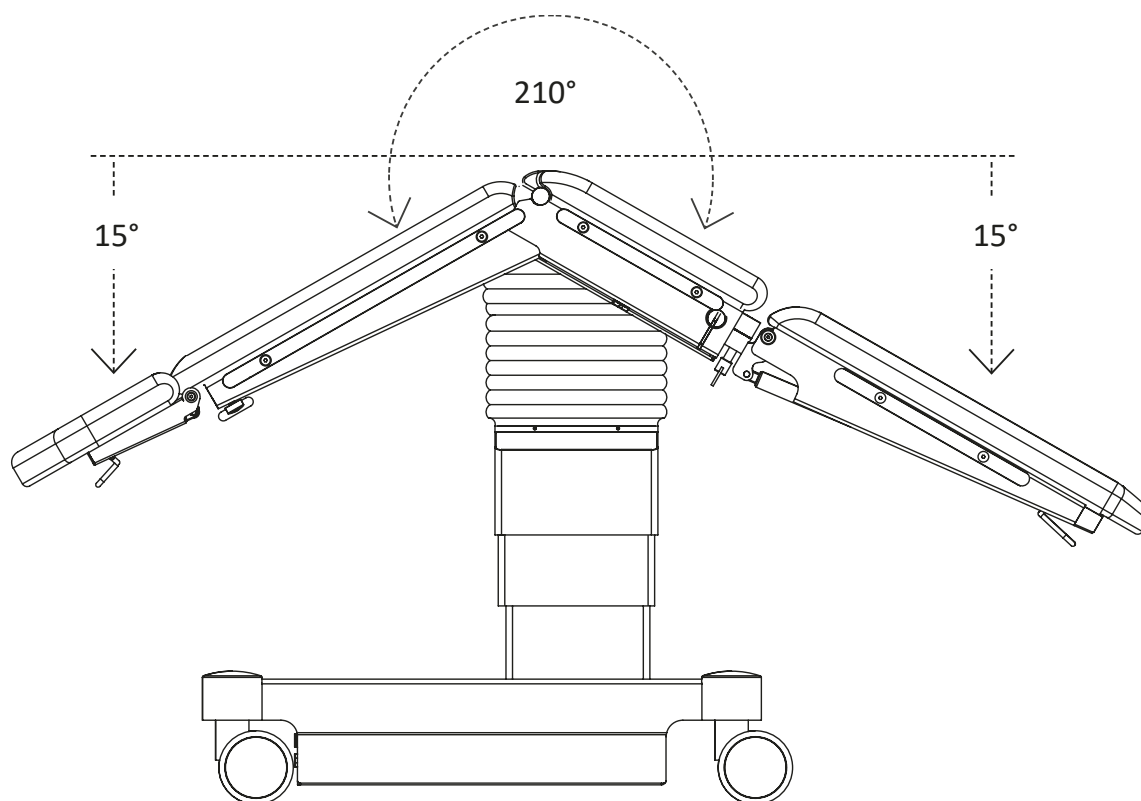


Fig. 34: Flex position: Anti-Trendelenburg and back plate down

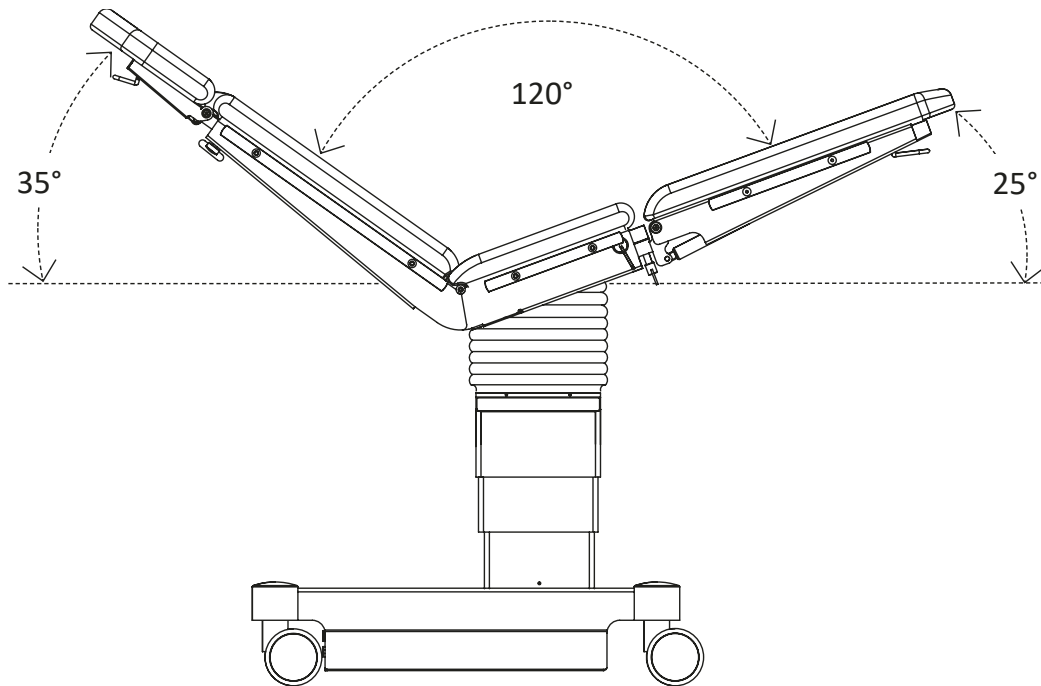


Fig. 35: Reflex position: Trendelenburg and back plate up.

Column keypad	Manual switch	Description
<p><b>FLEX</b></p>	<p><b>FLEX</b></p>	<p>FLEX</p> <p>Anti-Trendelenburg and back plate down function</p>
<p><b>REFLEX</b></p>	<p><b>REFLEX</b></p>	<p>REFLEX</p> <p>Trendelenburg and back plate up function</p>

### 11.11 Upper back plate (KIDNEY UP/KIDNEY DN)

The upper back plate is connected to the lower back plate. The upper back plate joints can only be adjusted synchronously.

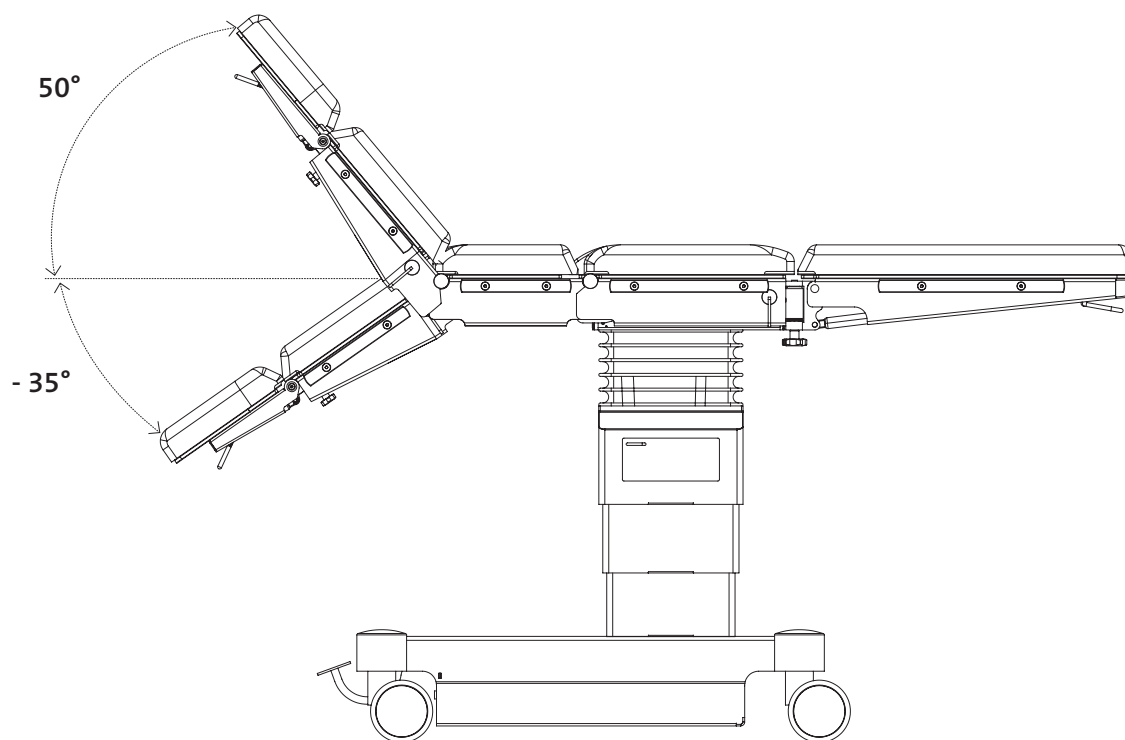

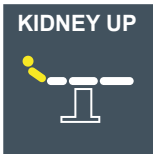

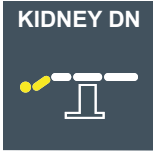
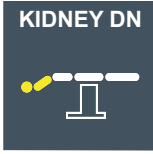



Fig. 36: Adjusting the upper back plate

Symbol of column keypad	Symbol of manual switch	Description
	 	The upper back plate is tilted upwards.
	 	Upper back plate is tilted downwards.

**Adjusting the upper back plate with the safety system (optional)**

Description	Function switch on the left	Function switch on the right	Foot lever UP	Foot lever DOWN
Kidney – upper back section up	1	0	x	
Kidney – top back part down	1	0		x

**11.11.1 Renal bridge (KIDNEY UP/KIDNEY DN)**

A renal bridge can be set by combining the back plate positions ‘upper back plate down’ and ‘lower back plate up’.

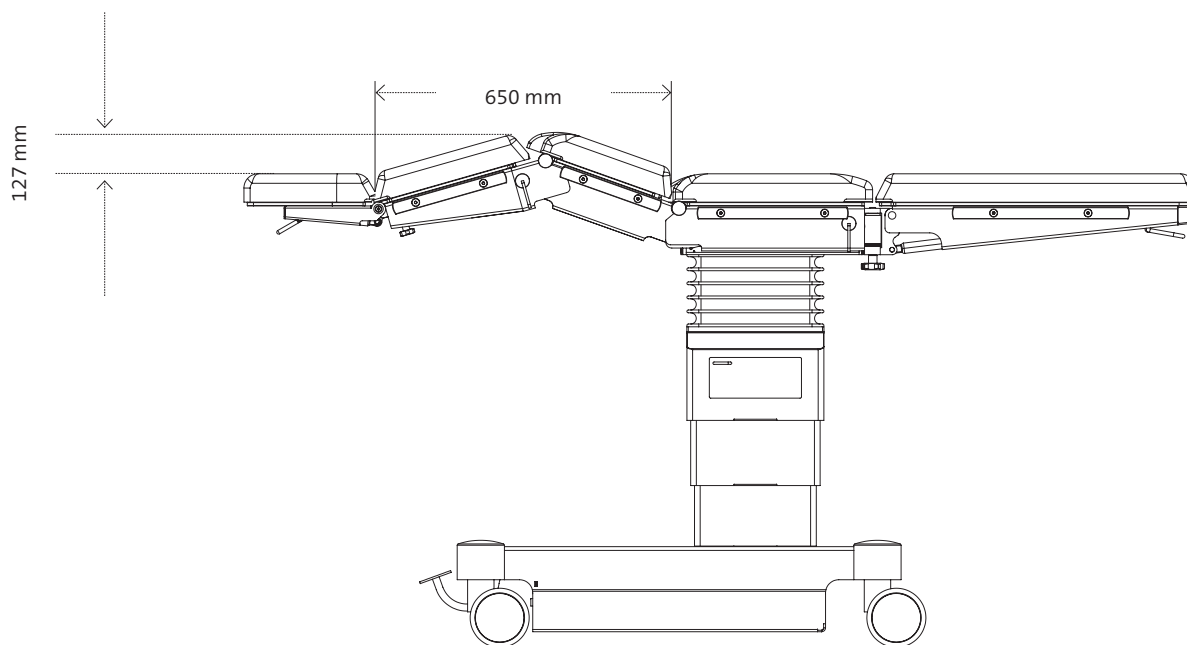


Fig. 37: Renal bridge

### 11.12 Zero position (LEVEL)




The zero position means that the medifa 6000 can be moved independently to a horizontal position.

The movement takes place in a fixed sequence:

Combined movement in which the motorised joints of the table top, the Anti-Trendelenburg or Trendelenburg position, the lateral position and the backrest adjustment are set horizontally

Collisions with accessories, which may occur during the zero position, must be prevented by appropriate positioning.

Longitudinal shift of the table top to the centre position

Symbol of column keypad	Symbol of manual switch	Description
	 	All electrically driven table segments move into the horizontal position.

### 11.13 Leg plates and head plate



#### CAUTION

**Risk of injury to patients due to pinching and collision hazards.**

Monitor motorised movements! When lowering the leg plate joints, there is a risk of collision with the lifting column or the trolley, especially in Trendelenburg/Anti-Trendelenburg and lateral adjustments.

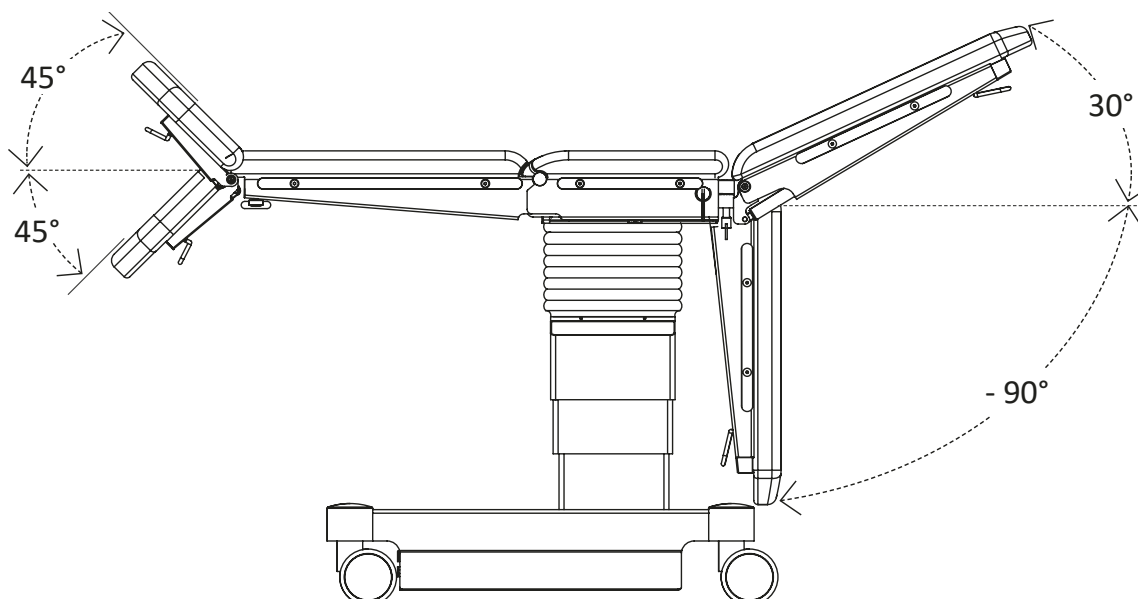


Fig. 38: Leg plates and head plate, maximum freedom of movement

## 12. Configure medifa 6000 prior to surgery

### 12.1 Attaching and removing accessories



#### CAUTION

##### **Risk of injury when attaching heavy accessories!**

- There is a risk of injury if the occupational health and safety rules for personnel are not observed.
- Owing to the heavy weight when lifting and carrying the plate segments and accessory parts, as well as when making manual adjustments to the medifa 6000 with or without the patient lying on it, you must ensure that your back is not injured.
- Involve another person if necessary. Never connect or disconnect several plate segments or heavy, bulky accessories at the same time. Hold the piece of equipment securely and do not drop it.



#### CAUTION

##### **Patient hazard!**

The coupling points must be checked for correct fit before positioning the patient!  
Pay attention to the safety and release levers here.

### 12.2 Attaching and adjusting the head and leg plates



#### CAUTION

##### **Patient hazard!**

The square couplings must be checked for correct fit before the patient is lifted!  
Pay attention to the safety lever here.

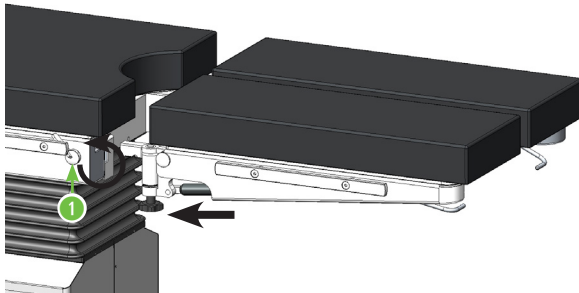


#### CAUTION

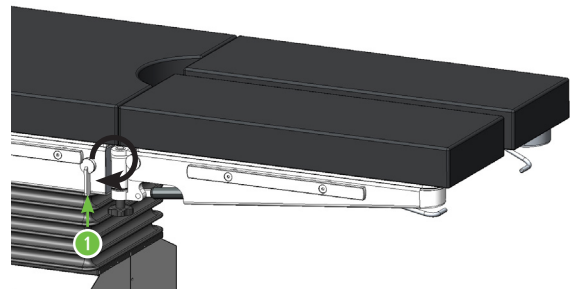
##### **Risk of injury!**

Operation with both hands is absolutely necessary for safety reasons, since the operator must exert his/her own body strength for adjustment, depending on the patient's body weight!

### 12.2.1 Attaching leg plates

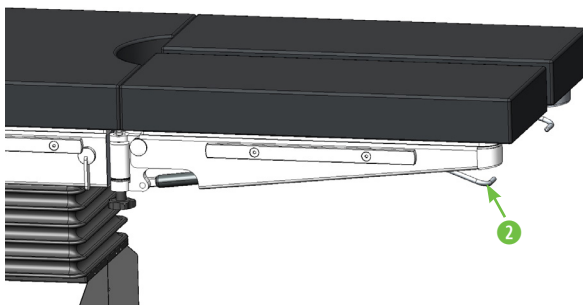


1. Insert the two square bolts of the leg plate into the square openings on the table, while loosening the locking lever [1] upwards.

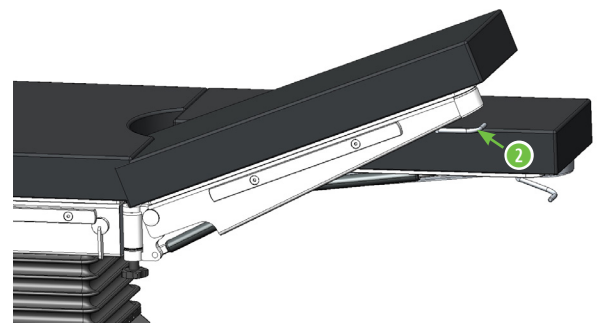


2. Hold the leg plate and tighten the release lever [1] on the table downward to secure the leg plate to the table.

### 12.2.2 Swivelling leg plates

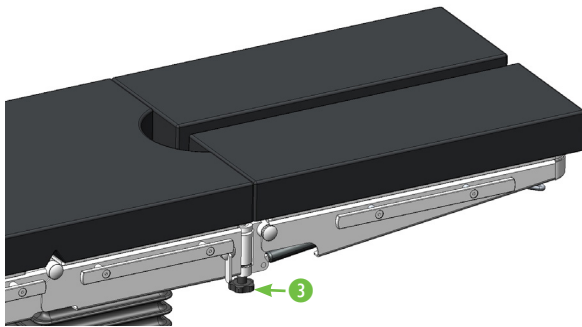


1. Hold the leg plate and pull the release lever [2] upwards under the foot end of the leg plate.

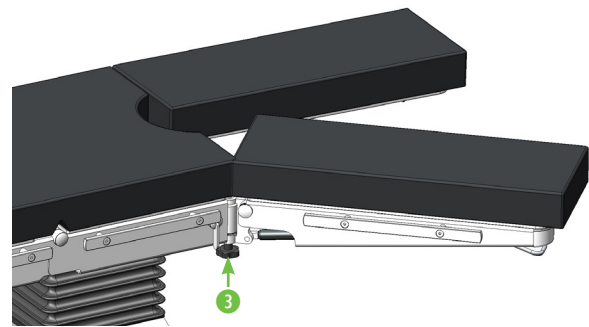


2. Hold the leg plate and move it to the desired position with the release lever [2] tightened.  
3. Release the release lever [2]. The leg plate is locked in the end position.

### 12.2.3 Spreading the split leg plates

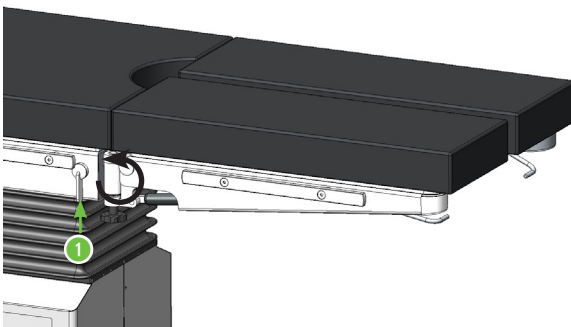


1. Loosen the black star knob screw [3] on the interlocking of the leg plate.

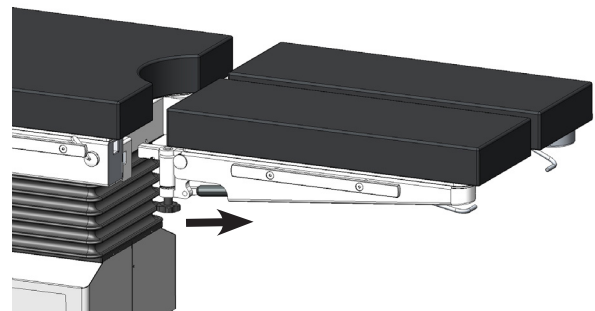


2. Spread the leg plate to the desired position.
3. Tighten the black star knob screw [3] on the interlocking of the leg plate.

### 12.2.4 Removing split leg plates

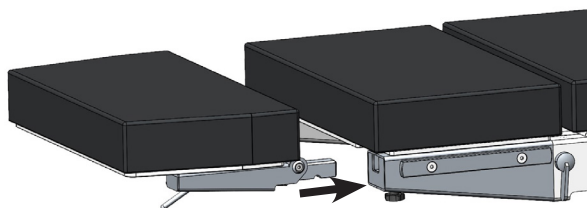


1. Hold the leg plate and turn the release lever [1] on the table upwards.

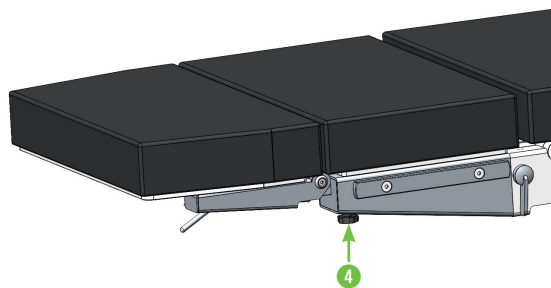


2. Pull the leg plate out of the square opening on the table.

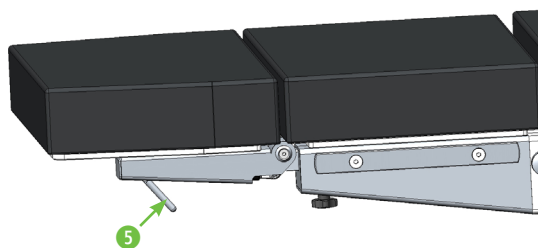
### 12.2.5 Attaching head plate



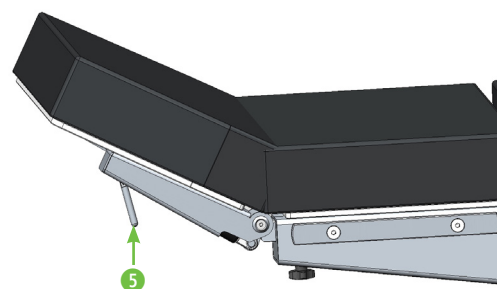
1. Insert the two square bolts of the head plate into the square openings on the table.



2. Hold the head plate and tighten the black star knob screws [4] on both spars of the table.

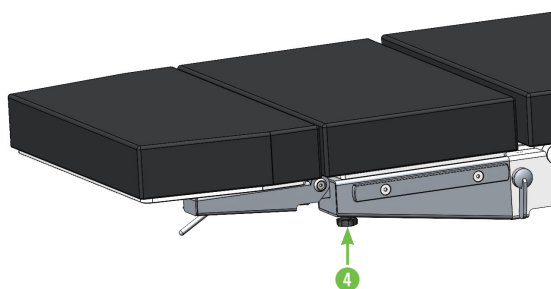


3. Hold the head plate and pull the release lever [5] at the head end upwards.

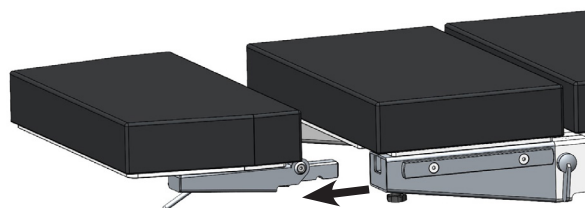


4. Swivel the head plate to the desired position.
5. Release the release lever [5]. The head plate is now locked in place.

### 12.2.6 Removing the head plate



1. Hold the head plate and loosen the black star knob screws [4] on both spars of the table.



2. Pull the head plate out of the square opening on the table.

### 12.3 Padding

The padding is made of 60 mm thick PUR padding or 80 mm thick SFC padding. They are fastened to medifa 6000 by means of stud-mounting holes. The padding is disinfectable and washable as well as radiotransparent. Furthermore, the padding is latex-free and breathable.

The padding prevents pressure necrosis of the patient. Medically trained personnel must eliminate the residual risk through active decubitus prophylaxis when positioning the patient. The padding is antistatic and, when fastened properly, complies with the normative regulations.

#### ATTENTION

**Do not use if the padding surface is damaged.**

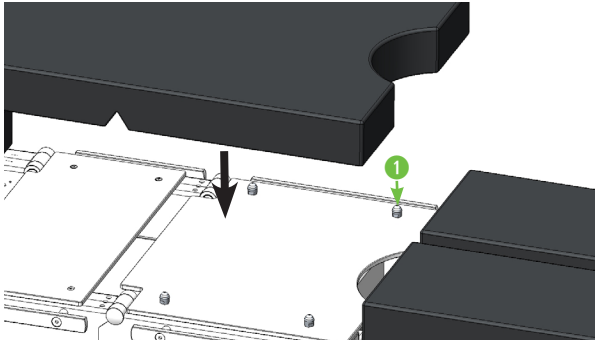
Operating the medifa 6000 with non-approved padding is prohibited and will result in loss of CE conformity.

#### ATTENTION

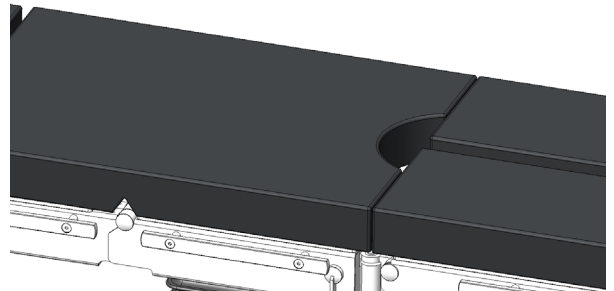
**Safety Instructions**

- Only use the original medifa padding!
- Do not place the patient on the medifa 6000 without a padding.
- When the table components are attached according to instructions, the padding edges of the medifa 6000 are aligned.
- Do not insert any sharp-edged objects into the padding or place them on the padding.
- Do not attach adhesive foils.

### 12.3.1 Attaching the padding

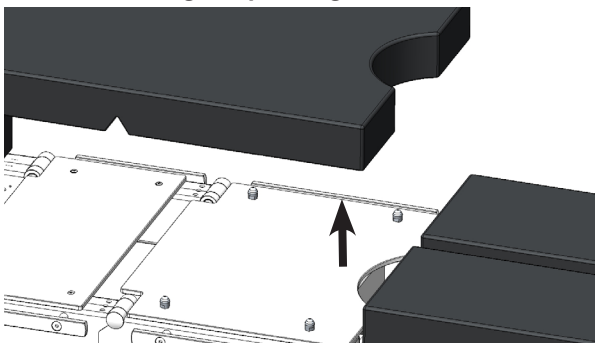


1. Place the padding on the padded plate, press the bushings in the padding onto the stud-mounting holes [1] on the padded plate.



2. Check if the padding is securely held on the operating table. The padding must be fixed exactly on the padded plate.

### 12.3.2 Removing the padding



1. Reach under an edge on the side of the padding and pull the padding upwards.

### 13. Load limits

The load limits described below are calculated using the following formula:

Total load (safe working load) = patient weight + accessory weight

#### 13.1 Total load up to 250 kg

Up to a total load of 250 kg, all possible adjustments in normal and reverse positioning are permitted.

#### 13.2 Total load from 251 kg to 454 kg

##### Normal positioning

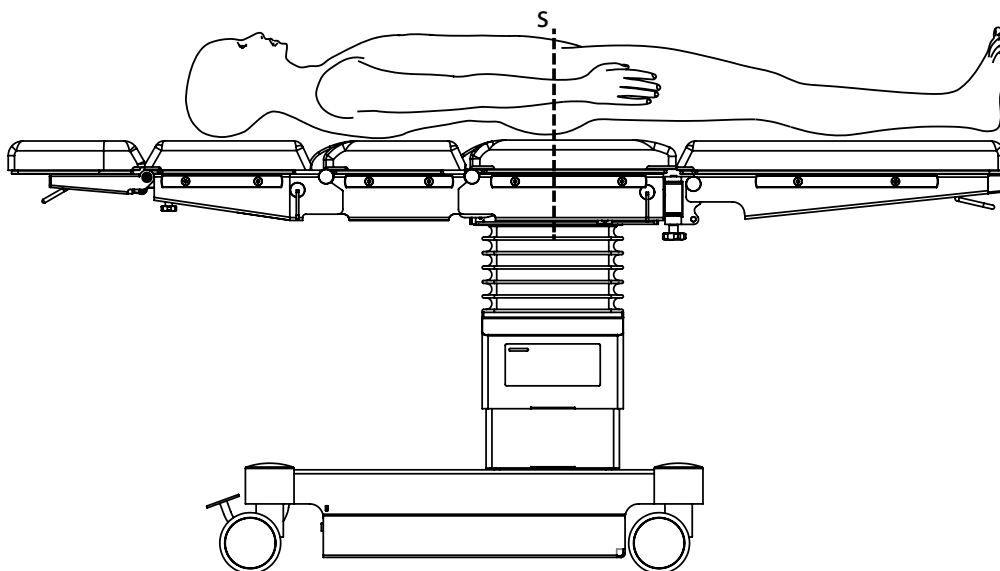


Fig. 39: Normal positioning

The centre of gravity of the safe working load must be positioned centrally above the lifting column.

### ATTENTION

#### No reverse position possible with a total weight > 250 kg

The reverse position may only be used up to a total load of 250 kg on the medifa 6000.

Do not use the reverse position if the total load on the medifa 6000 is over 250 kg.

## 14. Preparing medifa 6000 after use

1. Remove any accessories that have been fitted.
2. Clean and disinfect accessories accordingly. Please follow the instructions for use of the accessories.
3. Clean and disinfect medifa 6000.
4. Charge the lead-gel batteries.

### 14.1 Care instructions



#### CAUTION

##### Danger of personal injuries!

- Only hand over cleaned and disinfected devices / equipment to a service technician for maintenance and repair work.
- Replace padding that no longer meets the hygiene and infection prevention requirements.

#### ATTENTION

##### Risk of damage to property due to incorrect care.

The product is not suitable for a mechanical cleaning process.

Do not use a high-pressure cleaner! Due to the high pressure of the water jet, liquid could penetrate into the interior through gaps or joints and damage the product (corrosion).

Incorrect care products damage the surface.

For taking the care of the product, do not use abrasive cleaning and disinfecting agents containing halide and peracetic acid.

For plastic parts and padding, do not use any alcoholic and solvent-based (flammable) cleaning and disinfecting agents.

The care products for cleaning and disinfection must comply with the nationally valid regulations for the medical sector and/or be included in the list of the German Society for Hygiene and Microbiology / Verbund für Angewandte Hygiene e.V. (Association for Applied Hygiene).

Clean contaminated products immediately. Cleaning / disinfection is limited to regular wiping (not immersing) with suitable agents.

#### 14.1.1 Protective equipment for cleaning specialists

Wear your personal protective equipment for all activities and work on the product.

Personal protective equipment protects you from injuries and health impairments.

Wear the personal protective equipment:

- closed-toe shoes
- Protective gloves / protective clothing
- Eye protection / face protection

#### 14.1.2 Cleaning und disinfecting



#### HAZARD

##### Risk of explosion!

Do not use any alcohol-based agents when using HF surgical devices.

## Cleaning

- For cleaning stainless steel and plastic parts, use a pH-neutral or slightly alkaline all-purpose cleaner with surfactants as active cleaning components.
  - In case of heavy contamination, use the cleaner in concentrated form and subsequently wipe it off with clear water.
1. Clean the surface of the device with an all-purpose cleaner.
  2. To clean the underside of the padding and the padded plates, the padding must also be removed.

## Disinfection



### CAUTION

#### Material damage!

Exceeding the exposure time of the disinfectant can damage the surfaces.  
Observe the defined exposure time of the disinfectant manufacturer.

- For disinfection, follow the application instructions of the disinfectant manufacturer.
  - To disinfect, we recommend using surface disinfectants based on the following combination of active ingredients:
    - Aldehydes
    - Quaternary ammonium compounds
    - Peroxide compounds
1. Disinfect the surfaces of the device by wiping. Disinfecting with all-purpose cleaners or non-listed disinfectants increases the risk of contamination with pathogens.
  2. Allow the disinfectant to act according to the germ or bacteria infestation. Follow the application instructions of the disinfectant manufacturer.

medifa recommends the following or similar VAH(DGKH)-listed disinfectants:

Disinfectant	Active ingredient base	Manufacturer
Optisept	<ul style="list-style-type: none"> <li>• Aldehyde base</li> </ul>	Dr. Schumacher GmbH
Biguanide Surface N	<ul style="list-style-type: none"> <li>• Quaternary ammonium compound</li> </ul>	Dr. Schumacher GmbH
Kohrsolin FF	<ul style="list-style-type: none"> <li>• Aldehyde base</li> <li>• Quaternary ammonium compound</li> </ul>	Bode Chemie GmbH
Meliseptol rapid	<ul style="list-style-type: none"> <li>• Alcohol base</li> <li>• Quaternary ammonium compound</li> </ul>	B. Braun Medical AG
Incidin OxyWipe S	<ul style="list-style-type: none"> <li>• Peroxide connection</li> </ul>	Ecolab Deutschland GmbH



Observe the specifications of the Robert Koch Institute and national hygiene specifications for medical environments.

### 14.1.3 Drying

After cleaning and disinfecting, remove any excess moisture build-up, for example drops on the bottom edge of the standard rail of the table top, with a dry cloth.

### 14.1.4 Disposal

Dispose of all cleaning and disinfectant residues or remnants in a harmless and environmentally friendly manner.

## 15. Technical data



A tolerance of  $\pm 5\%$  applies to the dimensions, adjustment ranges and weight specifications, unless another tolerance is indicated.

### 15.1 Environmental conditions for operation, storage, and transport

Temperature	- 20°C to + 50°C (storage / transport)
	+ 10°C to + 40°C (operation)
Relative humidity	10 % to 95 % (storage / transport)
	20 % to 80 % (operation)
Air pressure	70 kPa to 106 kPa (storage / transport)
	80 kPa to 106 kPa (operation)

### 15.2 Dimensions, weights, and load limits

Measurement of table top	Length (with leg and head plate): 2080 mm
	Width (with standard rails): 600 mm
Height	690 to 1050 mm
Padding height	PUR: 60 mm, SFC: 80 mm
Weight	195 kg
Maximum table load	454 kg (depending on the accessories used and the patient positioning)
Standard rail load	Longitudinal axis: 100 Nm each
	Transverse axis: 150 Nm each

### 15.3 Electrical connection details

Internal power supply	2 batteries (lead-gel) 12 V / 18 Ah
External power supply	100 V - 240 V / 50 Hz - 60 Hz
Power consumption	max. 300 VA
Power plug	Country-specific, connection cable 3m
Mains fuse	2 x 4 AT
Battery fuse type	ASO 15 A

**Battery for the infrared manual switch**

Capacity	1200 mAh
Nominal voltage	3.7 V
Max. charging voltage	4.2 V

**Battery charger for the optional infrared manual switch**

Power	9.5 W
Input voltage	100-240 V
Frequency	50-60 Hz
DC voltage	4.2V DC
Charging current	1.5 A
Charging voltage	7.35 V

**15.4 Adjustment ranges**

Height	690 - 1050 mm
Longitudinal shift	300 mm
Trendelenburg	-30° to +30° (tolerance $\pm 2^\circ$ )
Lateral	-20° to +20° (Tolerance $\pm 2^\circ$ )
Flex	210°
Reflex	120°
Backrest adjustment (lower segment)	-40° to +70° (Tolerance $\pm 5^\circ$ )
Backrest adjustment (upper segment)	-35° to +50°

## 15.5 Classification

Medical product class	I
Protection class	I
Degree of protection against electric shock	Type B according to IEC 60601
Degree of protection against the ingress of water	IP X4
Operating mode	Continuous operation with intermittent load (DBAB) 1-minute functional execution followed by 9 minutes break without functions.
Explosion protection	Battery operation: Class AP Mains operation: The mobile medifa 6000 is not approved for use in explosion-risk areas.

## 15.6 EMC notes

### Intended usage environment

- Professional healthcare facilities

Note: The characteristics of this device determined by emissions allow its use in industrial areas and hospitals. When used in a residential environment, this device may not provide adequate protection from radio services. The user may need to take remedial actions such as moving or repositioning the device.

Essential performance features of medifa 6000:

- medifa 6000 may not carry out any accidental movements when there are disturbances.



### WARNING

#### Interference from electromagnetic radiation.

- The medical device must not be used directly next to other devices. If necessary, the device should be observed to verify its proper operation in this arrangement used.
- The use of accessories, converters, and cables other than those specified by medifa for this device may result in increased electromagnetic interference emissions or reduced electromagnetic immunity of the device and lead to incorrect operation.
- Portable HF communication devices (radios) (including their accessories such as antenna cables and external antennas) should not be used at a distance less than 30 cm (or 12 inches) from the medifa 6000.

## 16. Appendix

### 16.1 Delivery, unpacking and installation

#### 16.1.1 Delivery

The medifa 6000 is delivered on a pallet in a carton. Ordered parts/accessories are individually packaged on the pallet or are attached to medifa 6000.

#### Dimensions of the packaging

Length	1200 mm
Width	800 mm
Height	1050 mm
Weight	195 kg
Packaging	30 kg

Plus, weight of the additional equipment and accessories.

#### **ATTENTION**

##### **Danger of damage to property**

The packaging is not weatherproof. Please observe the storage instructions.

### 16.1.2 Unpacking and installation



#### CAUTION

##### **Risk of personal injury due to tilting of the medifa 6000!**

- Do not move the medifa 6000 over the edge of the pallet!
- Carefully move medifa 6000 from the pallet onto an even location together with at least 2 persons!

#### ATTENTION

##### **Danger of property damage to the electronics due to condensation!**

There is a risk of condensation forming during transport, which can potentially damage electronic components. After medifa 6000 is delivered and before it is switched on or connected to an external power source, it is necessary to wait a certain amount of time (at least 12 hours is recommended). Place medifa 6000 in an environment, which has the same ambient temperature and relative humidity as the room in which it is used.

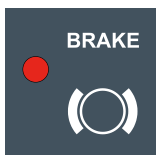
For unpacking and installation, the following order must be adhered to:

1. Unpack medifa 6000 in a room with an even floor and sufficient open space for unrolling from the pallet.
2. Place the pallet such that an area of approx. 1.5 x 4 m is available.
3. Open carton at the top.
4. Loosen the cardboard fastening at the bottom of the pallet.
5. Pull the cardboard upwards.
6. Take out the box contents.
7. Remove the tensioning straps and securing members.
8. Leave the medifa 6000 switched off and unplugged for at least 12 hours so that any condensation that may have formed during transport can evaporate completely.
9. medifa 6000 should be turned on via the main switch..





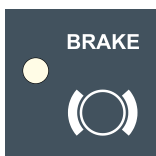
10. Then switch on the column keypad or the manual switch.



11. Release the brake of the medifa 6000. The brake is completely released when the red diode next to the brake symbol lights up and the brake symbol in the manual switch lights up red.



12. Push medifa 6000 off the transport pallet.



13. Apply the brakes on the medifa 6000 using the column keypad or manual switch. The medifa 6000 is braked when the brake symbol on the manual switch goes out and the red diode on the brake symbol of the column keypad goes out.

14. Dispose of the pallet and packaging material in an environmentally friendly manner!

15. Charge the batteries of the medifa 6000 fully.

16. medifa 6000 should be turned on via the main switch..

### 16.2 If the product is not in use for a long period of time

When not in use, medifa 6000 should be turned off via the main switch.

If medifa 6000 is not used for a longer period of time, the batteries may no longer be fully charged. To prevent a defect or failure of the batteries, the batteries must be charged every month, even if medifa 6000 is not used for a longer period of time.

Clean and disinfect medifa 6000 before longer periods of non-use. Cover the padding or wrap medifa 6000 in a film, which, however, must be permeable to air. medifa 6000 must be kept in a dry place.

### 16.3 Disposal

medifa 6000, accessories and packaging must be recycled in an environmentally friendly manner.

The disposal, even of individual parts, must always be carried out in an environmentally friendly manner, i.e., in accordance with the valid legal regulations.

For proper disposal of old devices, please contact medifa's technical customer service department, your local dealer, or the appropriate national authority.

The medifa company takes back old devices, defective or no longer used products. For detailed information, please contact medifa's technical customer service department.

When medifa 6000 is decommissioned, the lead-gel batteries must be removed from medifa 6000 by a medifa service technician or a person authorised by medifa.

Send removed and unusable batteries in suitable packaging to medifa technical customer service.

## 16.4 Accessories

Product name	Article number	Mass (kg)	Permissible load (kg)
Head plate	61144	4.2	16
Head plate	61146	5.2	16
No head plate	61143	3.2	16
Upper back plate	61250	9.8	72
Three-part back plate	61390	10.4	80
Pelvic girdle extension	61125	10	80
Single leg plate	61625	16	80
Split leg plates	61615	20	40 per leg plate
Double split leg plate	61660	20	40 per leg plate
Carbon bearing plate	61690	8	50
Transfer leg plate	61635	2.5	20
Paediatric surgery plate	61633	12	80
Distribution segments	61355	2.5	10
Foot-operated switch	604060	2.4	-
Infrared manual switch	604070	0.5	-
Stability cylinder	50650	-	-
Manual safety system.	50655	-	-
Connecting cross member	61670	-	-
Cassette slider	61640	3	-
Rinsing set	61120	0.3	-
Padding support	6000SF	0.3	-
Extension device with supporting bars	63000_1	60	250
Extension device (free-floating)	63000_1	60	136
Fastening collar	61511	0.8	-
Fastening collar	61512	1	-
Fastening collar	61551	0.2	-
Fastening collar	61552	0.2	-
Fastening collar	61553	0.2	-
Fastening collar	61554	1	-
Arm cuff	61755	0.2	10
Anaesthesia strap	61750	2.6	10
Flexible anaesthesia screen	61751	2	-
Hose holder	61752	0.3	-
Infusion pole	61800	1.8	1.5 kg per hook
Pivotable infusion pole	61805	2	1.5 kg per hook
Instrument table	61410	3	10
Guiding profile extension	61560	1	-
Manual push handles	61571	1.6	-
Side holder	61341	2.6	-
Shoulder rest	61351	3.5	-

Product name	Article number	Mass (kg)	Permissible load (kg)
Double side support	61362	2.4	-
Holder	61361	2.6	-
Body support	61361_1	0.3	-
Body support	61361_2	0.5	-
Body support	61361_3	0.5	-
Body support	61361_4	1.5	-
Articulated arm	61365	2.5	-
Articulated arm	61367	4	-
Instrument storage tray	91611	3.8	-
Instrument storage tray	91612	3.5	-
Tray with drain and hose	91613	4	-
Universal adapter	61100	3	-
Horseshoe headrest	61114_1	3.6	10
Horseshoe headrest	61114_2	3.6	10
Horseshoe headrest	61114_3	3.6	10
Head rest	61395	3.4	10
Articulated arm	61117	2.6	10
Head rest	61117_2	0.5	10
Horseshoe headrest	61117_3	0.5	10
Horseshoe headrest	61117_5	1.5	10
Armrest	61211	3.4	15
Intra-operative armrest	61216	3.6	10
Armrest	61217	3.7	10
Armrest	61222	4.8	15
Armrest	61223	4	15
Armrest	61220	5.2	20
Armrest	61225	5	8
Armrest	61212	7	8
Armrest splint	71345	2	10
Beach-Chair armrest	61227	4	8
Side support / Armrest	61092	3	15
Padding support	56031	-	-
Hand support	61400	0.2	-
Leg holders according to Goepel	61700	5.8	15 per leg holder
Leg holders according to Goepel Comfort	81705	8.2	15 per leg holder
Elbow braces	61780	4.6	10 per leg holder
Lower leg clamp	61760	1.6	-
Thigh clamp	61770	1.6	-
Rectal positioning unit	61632	17	150
Colonoscopy thread	61315	6.3	-

Product name	Article number	Mass (kg)	Permissible load (kg)
Knee footrest	61630	6.8	80
Foot plates	61636	7	20
Extension shoes for adults	61010	0.8	-
Extension shoes for children	61020	0.2	-
Countertraction post for femur	63025_1	1.8	-
Countertraction post for tibia and fibula	63045	4.8	-
Pelvis plaster cast unit	63030	4	-
“Kirschner” wire holder	63060	0.8	-
Leg supports	63026	3	15
Transfer leg rest	63070_2	6	20 per leg plate
Arm extension device	62050	2	10
Weinberger hand support	62055	0.4	-
Body strap and leg strap	61405	0.2	-
Leg support	61406	0.2	-
Leg straps	61407	1.5	-
Upper arm support	61226	2	15
Arm and hand surgery table	61231	7.5	15
Arm and hand surgery table	61232	9	20
Meniscus roller	61330	1.5	-
Arthroscopy leg holder system	61328	4	30
Knee support unit	61327	16	30
Intervertebral discs surgical cushions	61900	-	-



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