

# Instructions for use medi-matic<sup>®</sup> examination and treatment chair

115.9002.0

Part 1: Safety, preparation, operation



# Device identification

Dealer:

Date of handover/instruction:

First maintenance:

Authorized SCHMITZ service partner:

Model/serial number (see identification plate):



Fig. 1  
Position of the identification plate  
1) Identification plate

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# These instructions for use

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## General information

### Addressees

These instructions for use must be read and observed by everyone who uses, operates or cleans this device. These instructions for use also include information for those involved in storing, transporting and installing the device at the end user's premises, or disposing of it. To be able to use the described device safely, the provisions of these instructions for use must be observed. National and local regulations take precedence over the provisions of these instructions for use. Please observe in particular the warnings, ambient conditions, installation instructions, operating instructions, inspection regulations and maintenance instructions, as well as the standards listed in these instructions for use.

### Information updates

These instructions for use reflect the state of knowledge at the time of printing and make no claim to completeness. The information provided in these instructions for use may be outdated due to the ongoing technical development of our devices. However, all information is regularly updated in revisions.

### Illustrations

Illustrations in these instructions for use are not necessarily to scale.

### Storage

Keep these instructions for use at the place of use of this device.

### Tolerances

Minor deviations from the values set out in these instructions for use are caused by design factors and do not constitute defects.

### Metric screws

Metric screws are used in this device, so metric tools may be needed.

### Performance characteristics

The performance characteristics of this device can be found in the "Intended use" section of these instructions for use.

### Firmware

The current software version can be displayed on the hand control unit.

### Short designation for this device

In these instructions for use, the examination and treatment chair is often referred to as the "chair."

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## Symbols in the text

A triangle before a text means:

- ▶ Perform this step.
- ▷ Execute this partial work step.

A square before the text means:

- This is the result of the previous action.

A bullet point before the text means:

- This is part of a list.

## Warnings

The warnings contained in these instructions for use are graded according to the severity, type and probability of possible conse-

quences. They are classified according to the following definitions.

### Warnings in chapters

Warnings relevant to the respective chapter can be found at the start of each chapter and apply to the entire contents of the chapter.

#### **⚠ DANGER**

DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.

#### **⚠ WARNING**

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

#### **⚠ CAUTION**

CAUTION, used with the safety alert symbol, indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

#### **NOTE**

NOTE is used to address practices not related to personal injury.

#### **RECOMMENDATION**

Recommendations are information that helps readers use the device better, longer and more safely.

### Warnings in the text

The warnings

**⚠ DANGER**

**⚠ WARNING**

**⚠ CAUTION**

**NOTE** and

**RECOMMENDATION**

can be found in the text and refer to the subsequent action or situation. They have the same significance as the “warnings in chapters” as well as the same signal word and the same signal color (see above).

Example:

**⚠ WARNING** Risk of injury!

Accessories that have not been carefully fastened can loosen unexpectedly during use and cause serious injury to patients, nursing staff and third parties!

Always tighten the fastening elements thoroughly before use!

# Responsibility of the manufacturer

SCHMITZ medical GmbH and the technicians, installers or importers commissioned by it only consider themselves responsible for the basic safety, reliability and performance of this device if:

- Assembly, extensions, corrective adjustments, changes or repairs are performed only by appropriately trained personnel
- The electrical installation of the room concerned corresponds to the applicable requirements
- The device is used exactly as described in the instructions for use
- The device is used as intended
- The device is used in sound condition

## Technical changes

Modification of the chair is not permitted without the consent of the manufacturer, SCHMITZ medical GmbH.

## Replacement parts

Only use original replacement parts from SCHMITZ medical GmbH.

Only use parts approved by SCHMITZ medical GmbH. Safe operation is not guaranteed with parts that have not been approved by SCHMITZ medical GmbH.

# Important safety information

This device is state-of-the-art and was built according to recognized safety rules. Nevertheless, risks to the life and limb of users or third parties may occur, or this device and other assets may be adversely affected by the use of this device.

If the following measures are not observed, dangerous or life-threatening injuries to

patients, nursing staff and third parties may occur. The measures outlined in this chapter are subject to any other regulations that may be applicable in your country and organization, including regulations regarding the cleaning of medical devices or patient positioning.

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## Requirements for users

### Instruct staff

This device is used with patients who may be in fragile health. Any operating errors could have much more serious consequences than they would for patients in good health. This

means the people operating this device need to be instructed about its use.

- ▶ Only people instructed in the proper use of this device are allowed to operate it.

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## Device setup

### Set up the device so it cannot slip

This device must not move before you use it or while you are using it. The device must have sufficient traction on the floor. The device and its users must not slip!

- ▶ Use the device only on smooth, flat surfaces.
- ▶ Make sure the floor is clean and dry.

### No oxygen, no explosive gases

- ▶ Do not operate the chair in an environment with explosive gases or with air that has been enriched with oxygen.

## Moving and locking

### **Do not move the chair when a patient is seated on it!**

Moving the chair while a patient is on it puts the patient at risk!

In such a situation, the chair could tip over or collide with other objects. This could result in serious injury to patients!

- ▶ Do not move the chair when a patient is sitting on it!

### **Lock the casters after moving the chair!**

If you do not secure the chair after moving it, you will put people at risk!

An unsecured chair can move unexpectedly, for example due to someone or something accidentally bumping into it. This could result in injuries or damage to objects.

- ▶ After moving the chair, always lock all of its casters!

### **Disconnect the power plug before moving the chair!**

Moving the chair without disconnecting the power plug first puts people at risk!

In this situation, the power cord could break suddenly! People could be exposed to a life-threatening electric shock as a result.

- ▶ Disconnect the power plug before moving the chair!

## Connecting

### **Qualified staff**

Allowing unqualified staff to perform technical work on the chair puts people at risk!

Technical work that is performed incorrectly can result in injury to patients, medical personnel and those performing the work!

- ▶ Only allow qualified professionals to perform technical adjustments!
- ▶ The chair must be completely disconnected from the power supply during such work!
- ▶ The water supply and wastewater drainage must be installed by a plumber, who should comply with the local regulations that apply to water and wastewater connections.

### **Connect to power supply only with a protective earth conductor**

If you use the chair without a protective earth conductor, patients and bystanders could receive an electric shock. This can result in burns and other serious injuries!

- ▶ Only plug the chair into an electrical outlet with a protective earth conductor!

### **For a hardwired connection, install a switch**

Connect the chair in such a way that users can switch it off!

- ▶ If electrically hardwiring the chair, install a switch connected to the building's electrical system with which the chair can be switched off.

**Use approved cords**

The power cord used for a hardwired connection must have solid wires with a cross section of 1.5 mm<sup>2</sup> to 2.5 mm<sup>2</sup> (equivalent to AWG 16 to AWG 14).

The use of wires with other specifications can increase the chair's electromagnetic interference or reduce its electromagnetic immunity, resulting in faulty operation.

**Lay cords safely**

Laying unsecured power cords where people walk puts people at risk! People can trip over cables such as

- the chair's power cord or
  - the cable for the foot control unit
- and could be injured.
- ▶ Do not lay power cords where people walk.
  - ▶ Where doing so is unavoidable, install cable ducting.

## Positioning patients

### Cover the pads!

- ▶ Cover the pads with a suitable underlay.
- ▶ Cover the chair if contact with liquids can be expected during use with a patient.
- ▶ If contact with liquids is possible, the protective cover for the seat pad should be used. In addition, the gap between the seat pad and the back pad should be covered with a suitable absorbent material.

### No contact with electroconductive parts!

The use of HF surgical devices or defibrillator devices can easily result in serious accidents! If HF surgical devices or defibrillator devices are used without suitable safety precautions, patients on the chair or bystanders can suffer burns or severe electric shocks! This can cause life-threatening injuries to patients (severe burns)!

- ▶ Place an electrically insulated underlay on the lying surface before placing the patient on the chair!
- ▶ Make sure that the patient does not come into contact with electroconductive parts, especially when changing the patient's position.
- ▶ Observe the instructions for use in the user manual of the high-frequency surgical device or defibrillator device!

### Helping patient safely onto chair

The chair can be unexpectedly set in motion if somebody accidentally steps on the foot control unit. This could cause personal injury.

- ▶ Before the patient gets on or off the chair, position the foot control unit so that the patient cannot inadvertently step on its buttons.

Allowing a patient onto the chair without securing it first puts people at risk!

A chair that has not been secured can move unexpectedly when the patient gets onto it. This could result in injuries or damage to objects.

- ▶ Before the patient gets on, always lock all casters on the chair!

Subjecting the chair to unbalanced loads puts people at risk!

If loaded inappropriately, the chair may tip sideways, forward or backward. This could cause personal injury.

Mounted accessories may make the chair more likely to tip sideways or lengthwise.

- ▶ Patients should get on and be positioned at the middle of the chair.

Failure to push in or remove the leg section before the patient gets onto the chair puts people at risk!

The chair can tip if the leg section is subjected to a load exceeding 110 lb. Patients or bystanders could suffer serious injuries as a result.

- ▶ Push in or remove the leg section before the patient gets onto the chair!

### Observe the load limit

Overloading the chair will result in damage due to material failure. This could result in serious injury to patients!

- ▶ Do not subject the chair to loads exceeding 661 lb!

### Position patients properly

Failure to position patients correctly can impair their vital functions. Patients could be put at severe risk as a result!

- ▶ Position patients in such a way that their respiration, nervous system and circulatory system are not impaired. This applies in particular to unconscious patients.
- ▶ Position patients so that they cannot fall off the chair and injure themselves.
- ▶ Observe your country's and organization's guidelines on correct patient positioning!
- ▶ If necessary, use gel cushions to correctly position the patient.
- ▶ Do not leave patients unattended on the chair!

### Positioning the leg in the Göpel leg support (if present)

If you place the patient's *thigh* in the strap section of the leg support, you may cause pressure sores.

- ▶ Make sure the *lower leg* is positioned in the strap section of the leg support!

Overtightening the strap could cause pressure sores in the patient's legs.

- ▶ Do not overtighten the strap!
- ▶ Cushion the leg and the strap if necessary!

## Operation

### Precautions against power outages

The chair can only work as long as electricity is available. If there is a power outage, you will no longer be able to adjust the chair. In certain situations, the patient's condition could deteriorate as a result!

- ▶ Make sure that precautions against power outages (e.g. an on-site emergency power supply or independent power supply) are in place!

### Avoid radio interference

Portable devices that emit electromagnetic waves (such as radios, cordless phones, cell phones, smartphones, tablets or pagers) can impair the operation of the chair or its wireless control units if they are too close to the chair or the wireless control unit.

- ▶ When operating the chair, do not bring such devices within 30 cm of the chair or a wireless control unit!

### Shock position

Adjusting the chair too abruptly puts the patient at risk!

An unexpected movement into the shock position (seat section up, back section down) can startle the patient. Sudden movements made by the patient in response could result in injuries!

- ▶ Move the chair into the shock position *carefully*.
- ▶ Inform the patient about the planned change of position.

**Adjust carefully**

When the chair or accessories are adjusted, body parts may be crushed or overstretched. It is also possible for the chair to strike body parts or other objects, causing injury or damage.

- ▶ Observe the patient during adjustment and ensure that such injuries are avoided!
- ▶ Make sure there is sufficient clearance when performing adjustments!

Adjusting the chair without adequate clearance puts people and property at risk! Without adequate clearance, the chair or accessories attached to it (e.g. Göpel leg supports) can strike body parts or objects. This can cause personal injury and damage to property.  
Make sure that there is sufficient clearance when performing adjustments!

---

## Combining with other equipment

**No oxygen, no explosive gases**

- ▶ Never operate the chair in an oxygenated environment!
- ▶ Never operate the chair in the presence of explosive gases!

# Connecting equipment

When you connect equipment to this medical device, it becomes an ME system as per IEC 60601-1. This standard states that you are then a “manufacturer of an ME system.” This is

associated with a series of situation-dependent obligations. The aforementioned standard makes a distinction between two basic situations:

Situation	Operator’s duties
1. The connected equipment is listed in the “Approved accessories and third-party accessories” section of these instructions for use.	This is equipment that has been tested and approved by SCHMITZ medical GmbH in combination with the medical device described in these instructions for use. You as the “manufacturer of an ME system” do not need to take any further measures to ensure that the device satisfies the requirements of an ME system.
2. The connected equipment is NOT listed in the “Approved accessories and third-party accessories” section of these instructions for use.	In this case, you as the “manufacturer of an ME system” must provide evidence yourself that combining the equipment with the medical device described in these instructions for use complies with the specifications of the standard. You can find the requirements and test procedures in IEC 60601-1, section 16. These include ensuring that all of the components of the ME system are undamaged and reliable.

Tab. 1  
Operator’s duties for connected devices

### Avoid putting patients at risk

If devices whose failure or interruption could endanger the patient are connected to the integrated sockets, that puts the patient at risk!

In the event of a malfunction, the power supply for the integrated sockets could be interrupted or switched off. The connected devices would no longer work normally. The patient could be injured or their condition could deteriorate!

- ▶ Only connect devices to the integrated sockets if their unexpected failure or a power outage cannot put the patient at risk.

### No electrical equipment on or directly next to the chair

Electromagnetic interference from electrical equipment that is positioned on or directly next to the chair can impair the chair’s operation.

- ▶ Do not place any electrical equipment on or directly next to the chair. If that cannot be avoided, observe the chair and the equipment and make sure the chair is working as it should.

## Combining with accessories

Situation-dependent operator duties apply when you combine this device with accessories. There are two basic situations:

Situation	Operator's duties
1. The accessories used are listed in the "Approved accessories" chapter of these instructions for use. Load limits are also specified there.	This accessory has been tested and approved by SCHMITZ medical GmbH in combination with the device described in these instructions for use. The resulting combination satisfies the normative requirements. You do not need to take any further action in this respect. Some instructions for use for the combined devices restrict the use of the combination. (Examples include safe working load or permitted attachment point on the main device.) Observe these restrictions!
2. The accessories used are NOT listed in the "Approved accessories" chapter of these instructions for use.	For these accessories, you must provide evidence yourself that combining them with the device described in these instructions for use complies with the specifications of the standard. You can find the requirements and test procedures in ANSI/AAMI ES60601-1 (IEC 60601-1). These include ensuring that the accessories are undamaged and fail-safe.

Tab. 2

### Operator's duties for the accessory used

- ▶ When attaching an accessory, always check the condition of the accessory and make sure it is securely fastened!
- ▶ Observe the guidelines in the accessory's instructions for use!

### Fasten securely

Attaching accessories without checking them afterward puts people at risk.

Accessories can loosen unexpectedly during use and cause serious injury if they are inadequately fastened, worn out or damaged.

When attaching accessories, always verify that they are securely fastened and in sound condition.

- ▶ When attaching an accessory, always check the condition of the accessory and make sure it is securely fastened.

### Observe the load limits

Every accessory has its own approved patient body weight, which may differ from that for another accessory or for the main device. (These main devices include, for example, operating tables, examination chairs and patient stretchers.)

If you overload accessories while treating a patient, parts of the patient's body can

suddenly slip off the chair. The patient could suffer serious injuries!

- ▶ Do not place loads greater than the lowest approved patient body weight on the main device and accessories! (The approved patient body weight for a device can be found in the "Technical Data" chapter of the device's instructions for use.)

## Cleaning and disinfecting

### Clean after use!

Failure to clean and disinfect pads after use puts people at risk!

Pads absorb germs that can then be passed on to the next patients. This is particularly true of pads that have not been cleaned and disinfected.

As a result, patients can contract further illnesses.

- ▶ Always clean and disinfect pads after use by the patient!

### Comply with hygiene regulations!

Different hygiene regulations apply to the operators of medical devices, such as hospitals or medical practices, depending on the country, organization, type of healthcare facility etc. These regulations determine the frequency and time of cleaning and disinfection, the methods to be used, the qualifications of cleaning staff, etc. The device-specific information on cleaning and disinfection set out in these instructions for use applies subject to such regulations.

- ▶ Always comply with the hygiene regulations that apply in your country, organization, etc.!

### Disconnect the power plug before cleaning!

If you do not disconnect the power supply before cleaning the device, you put yourself and others at risk!

If the device is plugged into the power supply, moisture from the cleaning process could cause an electric shock and staff could suffer serious burns!

- ▶ Disconnect the power supply before cleaning.

### Replace damaged pads!

Failure to promptly replace damaged pads puts people at risk!

Damaged (e.g. cracked or torn) pads often contain stubborn infectious germs from normal use. These germs cannot be completely removed even by means of thorough disinfection. Upon contact with injuries or open sores, the infectious germs can be transferred to the bloodstream of the patient and third parties.

- ▶ Replace damaged pads immediately!

**Use special cleaning agents on electroconductive pads!**

Cleaning electroconductive pads with unsuitable cleaning agents and disinfectants can put people at risk!

If unsuitable cleaning agents and disinfectants are used, the antistatic and electroconductive properties of the pads may be lost. Then the chair is no longer fully electroconductive. In this situation, differences in electric potential can lead to electric currents such as electrostatic discharges. These currents could cause injuries to patients!

- ▶ Comply with the guidelines in “Reinigen und Desinfizieren” on page 105.

**Comply with the hygiene information for your accessories!**

There may be special information about cleaning and disinfecting the equipment and accessories operated with this device. Such information can be found in the instructions for use for these devices or accessories.

- ▶ Also comply with the hygiene-related information for connected or attached accessories and devices when cleaning and disinfecting!

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## Check

### Checklist

This device requires regular inspection.

- ▶ Perform a visual and functional check according to the “Visual and functional checks” section in these instructions for use.

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## Vigilance

### Report serious incidents!

Serious incidents that occur in connection with the device described here must also be reported to the manufacturer, SCHMITZ medical GmbH.

## Repairing

### Switch off first!

If you work on the integrated sockets without switching off the chair first, you put yourself and any bystanders at risk!

During such work, you could get an electric shock, which could be propagated to bystanders, who could suffer life-threatening injuries!

- ▶ When working on the chair's sockets, always make sure they have been switched off first (disconnect the power plug or use the power switch for the hardwired connection).

### Clean before repairing!

If you do not clean this medical device before repairing it, you put yourself and others at risk! During use, this medical device comes into contact with materials that carry pathogens or harmful substances (e.g. bodily fluids). During repair work, minor injuries in particular can lead to infections.

- ▶ Clean this medical device thoroughly before performing repairs!

### No patients on the chair

If you work on the chair while a patient is lying on it, you put people at risk!

You only have limited control over the chair while working on it, meaning it is no longer safe to place patients on it.

- ▶ Do not carry out any repair work, maintenance or inspections while the chair is in use!

## Disposal

### Clean first!

Failure to clean this medical device before disposing of it puts people and the environment at risk!

During use, this medical device comes into contact with materials that carry pathogens or harmful substances (e.g. bodily fluids). During disposal, minor injuries in particular can lead to infections.

- ▶ Clean this medical device thoroughly prior to disposal!

# Regulatory issues

## Intended use

### Regulations

The device is intended for use in human medicine only.

The chair serves the following purposes:

- It bears patients immediately before, during and after outpatient operations lasting no more than one hour. The feasibility of any planned outpatient operation on the device must be evaluated in advance by medical staff based on the device's technical features and functionality.
- It briefly bears patients for examinations and treatments.

The following restrictions apply to the use of the device:

- Patients may only be positioned on the device under medical supervision.
- Transporting patients on the device is not permitted.
- Equipment may not be connected to the integrated sockets on the device if the equipment's failure or an interruption of its power supply could put the patient at risk.

The device may only be used in Group 1 medical rooms according to IEC 60364-7-710 (revised) / HD 60364-7-710. The device may not be used in Group 0 or Group 2 medical rooms according to IEC 60364-7-710 (revised) / HD 60364-7-710 or in similar rooms. The device may only be used as described in the instructions for use.

The user must belong to one of the following professional categories or fulfill the specified qualifications:

- Professional medical staff (physicians/nurses)
- Trained cleaning staff
- Hospital technicians

The chair is designed for a total weight (patient body weight plus weight of all accessories) of up to 661 lb.

Any other use will result in an exclusion of liability.

**Further information**

The chair is only completely conductive (anti-static) when the electrically conductive pad set is installed and:

- the potential equalization socket is connected *or*
- the floor is conductive.

Air enriched with oxygen or explosive gas mixtures may not be used in the area around the chair.

If there is no electrical power, e.g. in the event of a power outage, the chair cannot be adjusted.

During operations, positioning the patient in certain ways may require additional accessories and/or securing measures, e.g. straps.

The chair's adjustment functionality can be interrupted or made temporarily unavailable by electromagnetic interference near the chair. The chair's EMC properties allow its use in industrial settings and in hospitals (CISPR 11, class A). When used in residential settings, the chair may not provide sufficient protection against radio signals. In such cases, the user is responsible for taking corrective measures such as moving or reorienting the chair.

**Essential performance**

There will be no unintentional movement of the device in the event of a single fault condition.



# Preparation

## Description



Preparation

Fig. 2

① Head pad	② Head cushion
③ Back pad	④ Leatherette cover
⑤ Right foot support	⑥ Leg support joint
⑦ Ambient illumination	⑧ Lifting column, upper segment
⑨ Lifting column, lower segment	⑩ Locking pedal
⑪ Rear foot cladding	⑫ Side panel
⑬ Left foot support	⑭ Foot rest
⑮ Seat pad	⑯ Hand control unit
⑰ Rinsing basin, removable, no outlet	⑱ Lifting column, upper segment
⑲ Front foot cladding	⑳ Foot control unit

Tab. 3  
Part numbers for the illustration above

The medi-matic 115.9002.0 is a chair for use in gynecology, urology and proctology. The hand and foot controls operate electric motors to adjust the chair's height, backrest,

seat and foot supports for the ergonomic and comfortable positioning of the patient. A wide range of accessories enables physicians of various specialties to perform examinations.

## Delivery

Preparation

This device is stored, transported to the end user, unpacked at the end user's premises and installed by SCHMITZ medical USA LP and/or its distribution partners. Please note the points that follow.

The information contained in this chapter also applies to subsequent removal of the device, including storage and packing/unpacking, e.g. for the purposes of resale or disposal.

## Storing the device

### NOTE




Risk of damage!

If this device is not transported and stored in suitable ambient conditions, it could suffer damage!

If ambient conditions deviate from the range of values stated in Tab. 4, the electronic control system may suffer irreparable damage during storage or transport.

During transport and storage, do not subject the chair to conditions other than those indicated.

For the ambient conditions permitted for storage and transportation, see Tab. 4.

Parameter	Limits	Symbol
Temperature	-4°F - +122°F	
Relative humidity	20% – 95% at 86°F, non-con- densing	
Air pressure	10.153 – 15.374 psi	

Tab. 4  
Ambient conditions permitted during storage and transport

## Transport to destination

Devices from SCHMITZ medical GmbH are prepared for transport when they leave the factory.

- ▶ After delivery, transport the device to its place of use in its original packaging!

## Unpacking

### NOTE

Risk of damage!

If you do not use a safety knife to cut the packaging film open, the chair's pads could be damaged.

The pads can easily be slit when the packaging film is cut open.

Use the supplied safety knives to cut the packaging film!

Unpack the device at the place of use.

- ▶ Inspect the device during unpacking. Any damage incurred during transport must be reported immediately to your sales partner or SCHMITZ medical USA LP.

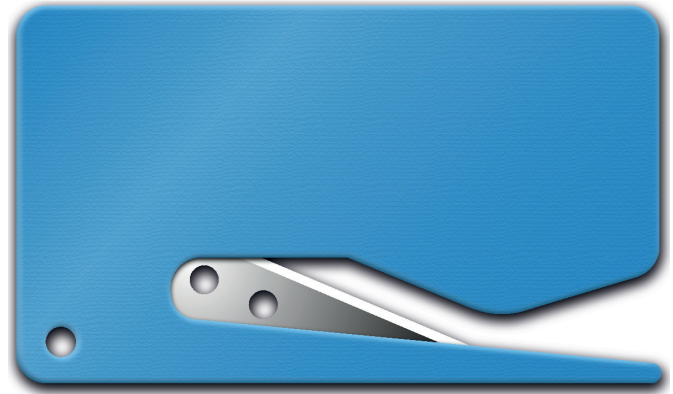


Fig. 3  
Safety knife

## Transport at destination

- ▶ Where possible, use the original pallet to transport the chair to its final location.
- ▶ When lifting the chair, for example from a pallet, remove both half-shells (front and rear foot cladding). Use the supplied carry straps to lift the chair.

The steps below must also be followed if the chair is to be moved at a later time (e.g. after it has been in use) and the chair's own mobility function (if present) cannot be used.

### Preparation

#### Removing the rear half-shell (rear foot cladding, only for the mobility function)

If large double casters are mounted on the chair, the rear foot cladding must be removed before the chair can be carried.

- ▶ Switch on the chair with the master switch.
- ▶ Raise the chair to its highest position (see the "Operation" chapter).
- ▶ Switch off the chair with the master switch.
- ▶ Disconnect the power plug.
- ▶ Use the supplied Allen wrench (size 2.5) to loosen and remove the attachment screws for the socket cover; see Fig. 4.
- ▶ Remove the socket cover.
- ▶ Use the supplied Allen wrench (size 2.5) to loosen and remove the attachment screws for the rear foot cladding; see Fig. 4.
- ▶ Unscrew the pull-out protector on the power cord.
- ▶ Push the rear foot cladding off along the power cord and place it on the seat surface.

#### Attaching the carry straps (only for mobility function)

- ▶ As shown in Fig. 5, attach a carry strap at each point on the main frame with a caster or leveling foot (if this has not already been done). For models with the mobility function, attach the rear carry straps to the locking pedal.
- ▶ Lower the chair from the pallet. This must be done by four people.

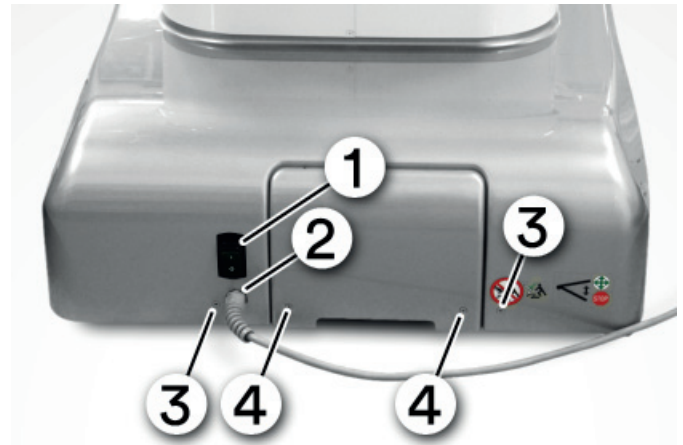


Fig. 4  
Removing the rear foot cladding  
1) Master switch 2) Power cord pull-out protector 3) Attachment screws for rear foot cladding (Allen screw, size 2.5) 4) Attachment screws for socket cover

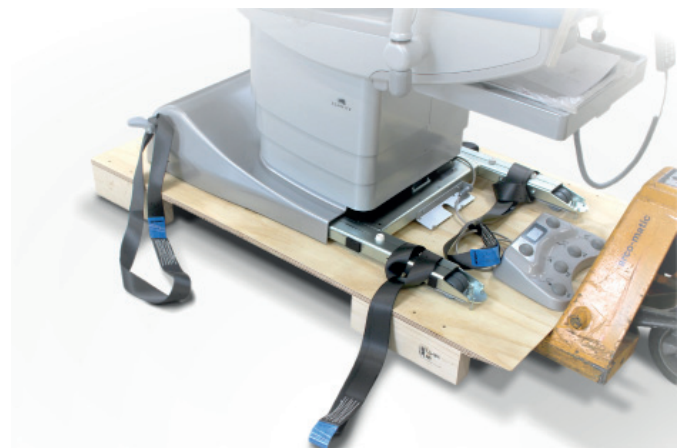


Fig. 5  
Carry straps on the chair

## Carrying

If the device is to be carried after unpacking or use, it must be brought into the transport position. The transport position is the position in which the device was delivered:

- fully lowered (height adjustment set to lowest level)
  - no mounted accessories
  - disconnected from power supply
- Bring the device into the transport position.
- ▷ Move the device to its lowest position.
  - ▷ Remove any attached accessories.
  - ▷ Unplug the power cord.

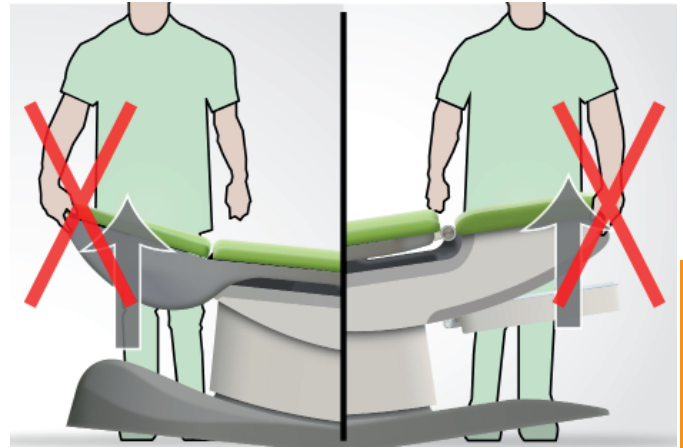


Fig. 6  
Do not lift the chair by the seat section or the back section!

### **⚠ WARNING Risk of injury!**

Using the foot rest or the colposcope to carry the chair puts people at risk!

Components such as foot rests or colposcopes are not designed as carrying or lifting handles. When subjected to such a load, the component will break off the chair. Serious injuries may occur when the chair falls as a result.

Do not use components such as foot rests or colposcopes as carrying or lifting handles!

### **NOTE Risk of damage!**

If the chair is lifted by its back section or seat section, it will be damaged!

The chair is not designed for such stresses. Always lift the chair by the foot section only!

- Lift the chair and carry it to the desired location.
- While transporting the device, ensure that it does not strike people or objects.

# Setup

Preparation

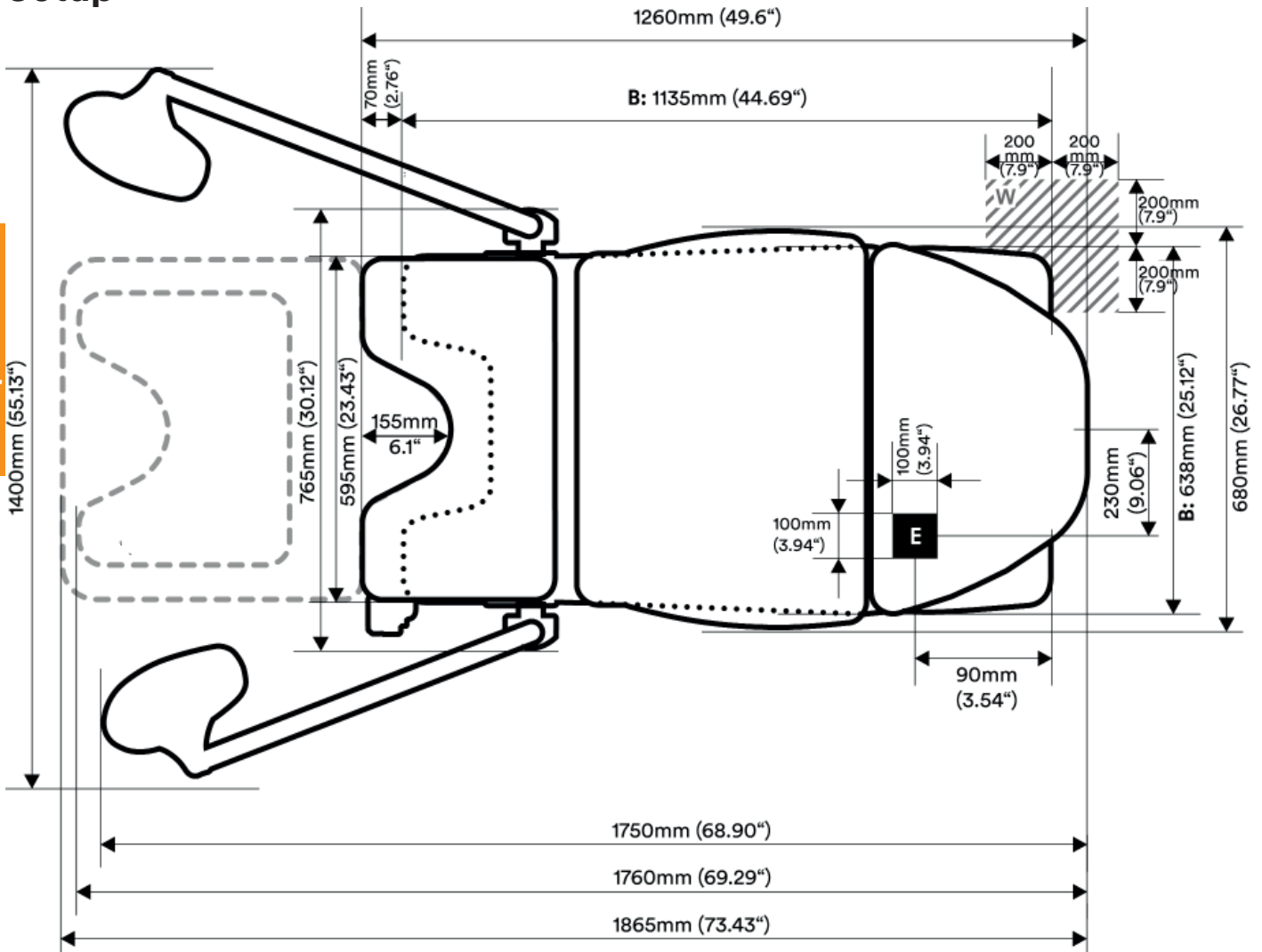


Fig. 7  
 Chair dimensions (precision:  $\pm 0.394''$ )  
 Gray dashed lines: insertable leg section; dotted line: main frame  
 E) Electrical floor connection, maximum height 1.378", B) Dimensions of main frame,  
 W) Area for water supply and drainage

- Set up the device to ensure that:
- the device can be used and operated unimpeded
  - the power plug is easily accessible
  - the displays can be read easily
  - the switches can be operated easily (e.g. the master switch at the rear must be easily accessible)
  - any switch for a hard-wired connection remains accessible

**NOTE Risk of damage!**

If the chair is used without an acclimatization period of 12 hours, it could suffer damage!

The chair needs some time to acclimatize. If the acclimatization period is too short, the chair may be damaged.

Do not use the chair for at least 12 hours after transporting it.

**NOTE Risk of damage!**

If the main frame or the leveling feet are placed on electric cables, the cables could be damaged!

The power cord and the cable for the foot control unit may be damaged if the leveling feet are placed on them.

Always make sure that no cables are trapped under the leveling feet or the main frame.

# Preparing for operation

The final mechanical work on the device is generally performed by SCHMITZ medical USA LP or its distribution partners. This includes leveling the chair, attaching the foot cladding, and mounting the cradle for the hand control unit.

This section is intended for people who deal with the final mechanical work on the chair.

The final mechanical work may only be performed by personnel trained and authorized by SCHMITZ medical GmbH or its distribution partners.

The following tools are required for the work described in this section:

- Allen wrenches
  - M2.5
  - M3
  - M10
- a Phillips screwdriver
- a spirit level
- a wooden block

Metric screws are used in this device. If you use screws with a different thread (e.g. Whitworth screws), you will damage the internal threads in the screw holes!

## Leveling

### **NOTE** Risk of damage!

If you place the leveling feet or the foot section on the power cord or the cable for the foot control unit, you could damage them. Always make sure that no cables are trapped under the leveling feet or the main frame!

Chairs without the mobility function have leveling feet instead of double casters. For chairs without double casters, leveling feet compensate for any unevenness in the floor and keep the chair horizontal.

- ▶ Lift the chair on one side.
- ▶ Secure the chair by placing a wooden block under the foot section.
- ▶ Turn the leveling foot in or out.
- ▶ Remove the wooden block and lower the chair.
- ▶ Verify that the chair is securely positioned. Repeat until the chair stands properly.

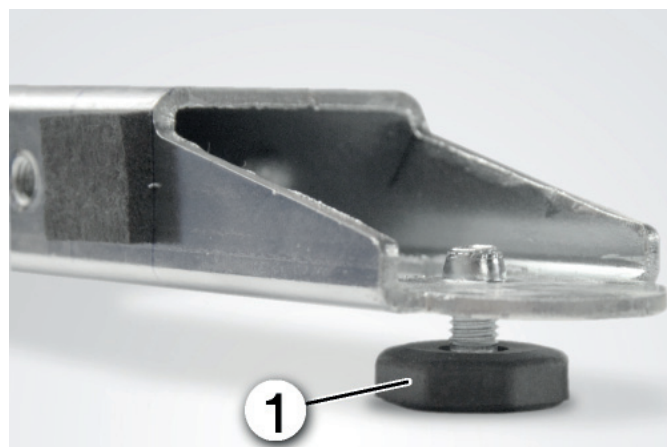


Fig. 8  
Leveling the chair  
1) Front leveling foot (octagonal)

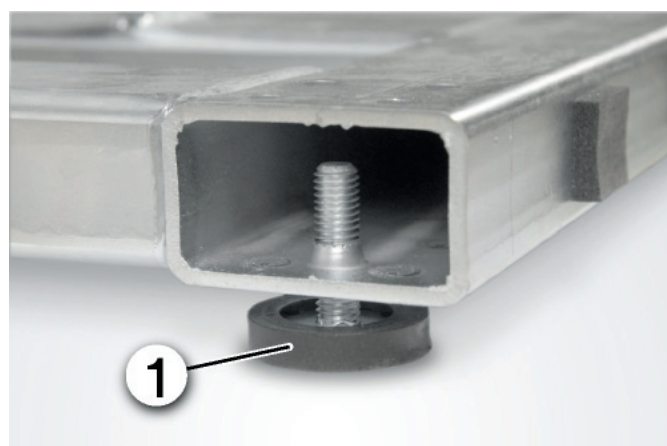


Fig. 9  
Leveling the chair  
1) Rear leveling foot

## Installing the rear foot cladding

If there are no double casters on the chair, the rear foot cladding must be installed.

- ▶ Place the rear foot cladding in the correct position as shown in Fig. 10. The power cord must be routed through the recess in the rear foot cladding.
- ▶ Insert two attachment screws for the rear foot cladding into the holes for the attachment screws and tighten them with the supplied Allen wrench (size 2.5).
- ▶ Tighten the cable protector for the power cord.
- ▶ Insert the socket cover and press it in firmly.
- ▶ Insert the attachment screws and tighten them with the supplied Allen wrench (size 2.5).

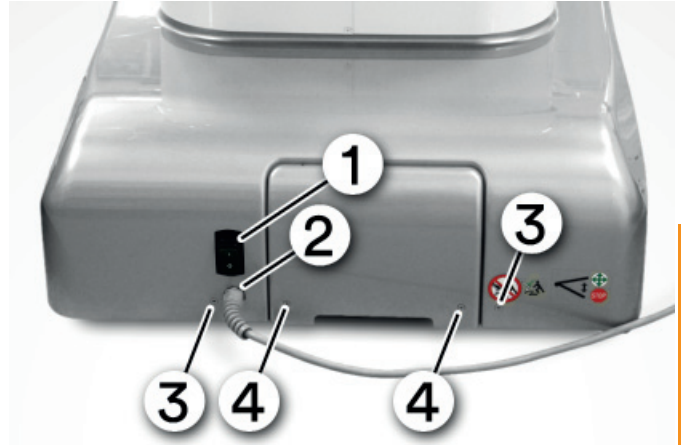


Fig. 10  
Installing the rear foot cladding  
1) Master switch 2) Power cord pull-out protector 3) Attachment screws for rear foot cladding (Allen screw, size 2.5) 4) Attachment screws for socket cover

**Connecting the foot control unit**

- ▶ Plug in the chair's power cord.
- ▶ Switch on the chair with the master switch.
- ▶ Raise the chair (see the "Operation" chapter).
- ▶ Tilt the seat surface upward (see Fig. 11).
- This gives you enough room to install the front foot cladding.
- ▶ Disconnect the power plug.
- ▶ As shown in Fig. 12, connect the cables for the foot control unit. Align the markings on the plug and socket.
- You will hear a click.



Fig. 11  
Raising the chair



Fig. 12  
Connecting the cables

**Installing the front foot cladding**

- ▶ As shown in Fig. 13, place the front foot cladding on the main frame. The column cladding must rest on both parts of the foot cladding!
- ▶ Pull the cable for the foot control unit through the cutout in the front foot cladding.



Fig. 13  
Placing the front foot cladding

- ▶ Press the front foot cladding into place so that its lugs engage below the rear foot cladding.
- The column cladding rests on both parts of the foot cladding.

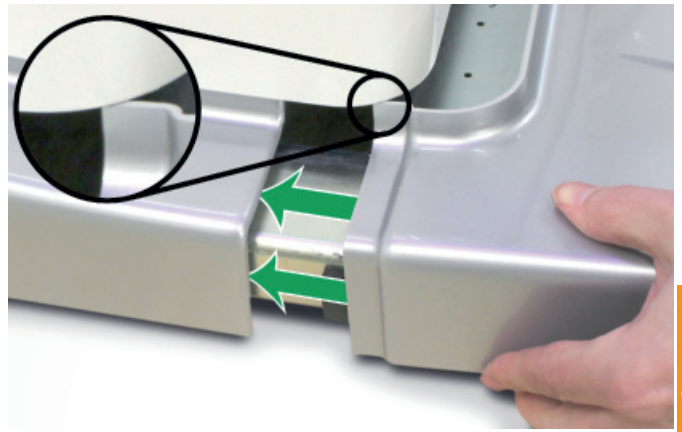


Fig. 14  
The column cladding must rest on both parts of the foot cladding

- ▶ If a colposcope or foot rest is installed: On both sides, push the side panels into place from below.



Fig. 15  
Pushing side panels into place from below

- ▶ Insert the supplied front attachment screws through the cladding into the threaded holes and tighten them.

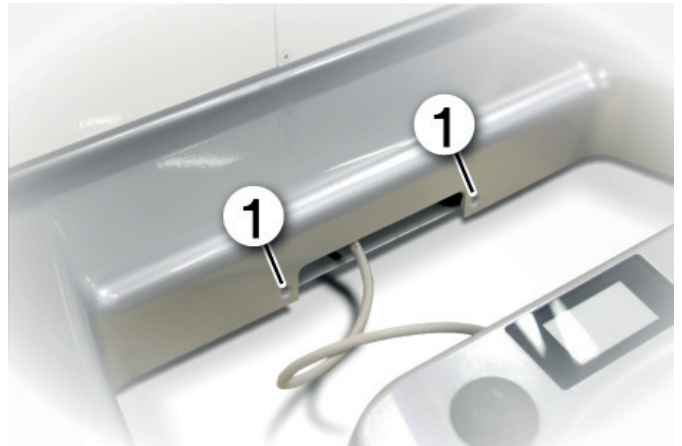


Fig. 16  
Fastening the front attachment screws  
1) Front attachment screws

# Installing the cradle for the hand control unit

## Installing on the right/left

The cradle can be attached to either side of the chair.

In the standard configuration, the fixture for the cradle for chairs **without side rails on the seat section** is attached at the left as shown in Fig. 17. However, it can also be attached on the right side.

For chairs **with side rails on the seat section**, there are fixtures specifically designed for installing the cradle on the right or left side of the chair. Changing sides in such cases is only possible if you have the fixture for the other side.

If the integrated examination light is installed on the chair, the cradle for the hand control unit must be attached on the left side (from the patient's perspective).

- ▶ Attach the cradle to the side of the seat section as shown in Fig. 17.

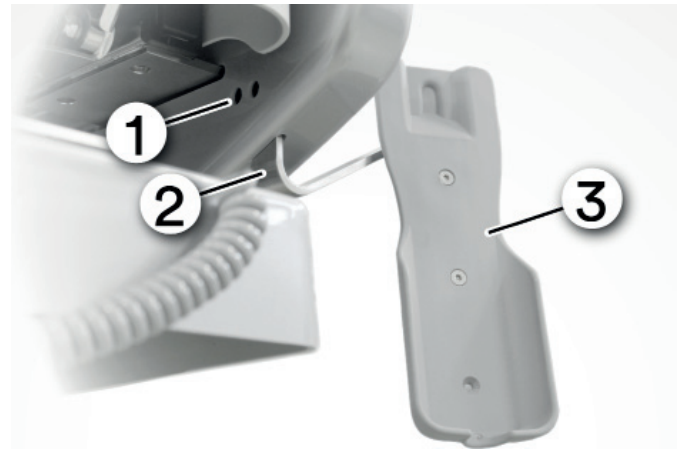


Fig. 17  
Mounted cradle (on the left from the patient's perspective)  
1) Access holes for attaching fixture 2) Fixture 3) Cradle

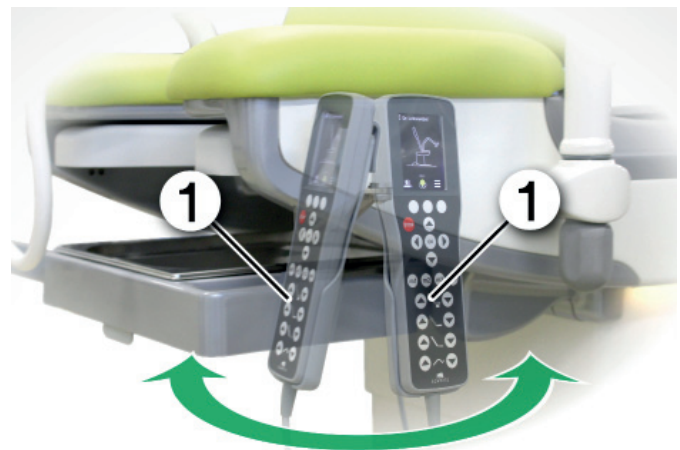


Fig. 18  
Pivoting the cradle  
1) Hand control unit in cradle

## Using the plastic loop

As a complement to the cradle, on each side of the back section there is a plastic loop to hang the hand control unit on.

- ▶ Hang the hand control unit on the plastic loop.



Fig. 19  
Hanging the hand control unit  
1) Loop for hand control unit

# Connecting

## ⚠ WARNING

Risk of injury!

Operating the chair without taking precautions for power outages can put people at risk!

The chair can only work as long as electricity is available. If there is a power outage, you will no longer be able to adjust the chair. In certain situations, the patient's condition could deteriorate as a result!

Make sure that precautions against power outages (e.g. an on-site emergency power supply or independent power supply) are in place!

## Power connection

### Safety information

## ⚠ WARNING

Risk of serious injury!

Operating the examination and treatment chair without an electric protective earth conductor can put patients and third parties at risk of electric shock and burns.

Only connect the examination and treatment chair to an electrical connection with a protective earth conductor!

## NOTE

Risk of damage!

If you connect the chair to a power supply operating at the wrong voltage or frequency, you will damage it.

Only connect the device to a power supply with a grid voltage and frequency matching those specified on the identification plate!

## RECOMMENDATION

Have a local licensed electrician or a local authority in charge of the building's internal power supply confirm that the device complies with the local electrical regulations when it is switched on.

### Power plug

► Insert the chair's power plug into a wall or floor outlet. For the permissible grid voltage, see "Typenschild" on page 121.

If you insert the plug into a floor outlet, the floor outlet must be easily accessible and must not be underneath the chair.

The chair's foot cladding must not cover the floor outlet. The power plug must be accessible.

The chair can be disconnected from the grid by disconnecting the power plug or (for a hard-wired connection) by using the switch connected to the building's electrical system.

## Applied parts

Applied parts as defined in the IEC 60601-1 standard are parts of ME equipment or ME systems that, in order to perform their function during their intended use, necessarily come into contact with the patient.

- Type B applied parts *can* be grounded.
- Type BF or CF applied parts *may not* be grounded.

The type of applied part also determines the maximum permitted patient leakage current. The adjoining list of applied parts must be observed, in particular for medical procedures such as HF surgery or defibrillation. The patient leakage current must be checked in accordance with IEC 60601-1. If the measured patient leakage current is too high, technical countermeasures need to be taken (such as setting up potential equalization).

Application type according to IEC 60601-1	Applied parts
Type B (body)	Seat and back section pads, foot supports, Göpel leg supports, leg section
Types BF (body float), CF (cardiac float)	None

Tab. 5  
Applied parts of chair

## Potential equalization

Some equipment requires potential equalization, and some healthcare establishments may stipulate that potential equalization be connected.

### **⚠ WARNING Risk of injury!**

Using conductive pads without a potential equalization connected to the chair could put people at risk!

Without potential equalization, differences in the electric potential can lead to electric currents such as electrostatic discharges. These currents could cause injuries to patients!

Connect a potential equalization line to the chair if:

- the floor is not conductive *and*
- the chair's pads are conductive!

The potential equalization line routes electrostatic charges away from the chair and the patient.

- ▶ Connect the chair's potential equalization pin to the room's potential equalization with a potential equalization line.



Fig. 20  
Connecting the potential equalization  
1) Potential equalization pin

# Positioning patients

## Safety information

Preparation

### **⚠ WARNING**

Risk of serious injury!

The use of HF surgical devices or defibrillator devices can easily result in serious accidents! Without appropriate safety precautions, HF surgical devices and defibrillator devices can cause severe electric shocks to patients on the chair and to bystanders! Such shocks can cause life-threatening injuries to patients! Place an electrically insulated underlay on the lying surface before placing the patient on the chair!

Make sure that the patient does not come into contact with electroconductive parts, especially when changing the patient's position. Observe the instructions for use in the user manual for the high-frequency surgical device or defibrillator device!

### **⚠ WARNING**

Risk of serious injury!

If you overload the examination and treatment chair, it could be damaged by material failure. Patients could be seriously injured as a result. Do not subject the examination and treatment chair to loads exceeding 661 lb!

### **⚠ WARNING**

Risk of injury!

If you leave a patient alone on the chair, unexpected actions by the patient could damage the chair or endanger the patient! The patient can be injured as a result! Do not leave patients unattended on the chair!

### **RECOMMENDATION**

Help patients to get on and off the chair.

## Before getting on

Before the patient gets on the chair, you must:

- verify that the chair is in working order
- lock the casters
- recline the back pad
- move the foot control unit to the side
- push in the rinsing basin (if present)
- push in the leg section (if present)

### **Check the chair**

- ▶ Perform a visual and functional check according to the "Visual and functional checks" section in these instructions for use.

### **Locking the casters (if installed)**

#### **⚠ WARNING Risk of injury!**

If you do not lock the chair's casters before the patient gets on, the patient can be injured! In this situation, the chair can move unexpectedly.

Serious injuries or property damage could result.

Before the patient gets on, always lock all the casters on the chair!

- ▶ Lock the chair before repositioning patients or before they get on it.

## Reclining the back pad

### **⚠ CAUTION Risk of injury!**

If the patient gets on the chair before the back pad has been reclined, they can be injured! The back pad's pneumatic spring is not designed to support a person's weight. When subjected to a person's weight, the pneumatic spring will break and the person will fall backward with the back pad. This can result in injury to the person. Always recline the back pad before the patient gets on the chair!

- ▶ Fold the back pad down against the pneumatic spring's pressure.

## Safely positioning the foot control unit

### **⚠ CAUTION Risk of injury!**

If you do not position the foot control unit safely, patients can injure themselves! In this situation, the patient can accidentally step on the foot control unit. The chair could move unexpectedly as a result, causing people to be injured.

Position the foot control unit so that patients cannot inadvertently step on its buttons when getting on and off the chair!

- ▶ Position the foot control unit so that patients cannot inadvertently step on its buttons when getting on and off the chair.

## Pushing in the rinsing basin with outlet

### **⚠ CAUTION Risk of injury!**

If the patient gets on (or off) the chair while the rinsing basin with outlet is pulled out, the patient could strike the rinsing basin bracket. Before the patient gets on or off the chair, push the rinsing basin with outlet under the seat section!

- ▶ Push the rinsing basin with outlet into the chair.

## Push in the leg section

### **⚠ WARNING Risk of injury!**

If you do not push in the leg section before the patient gets on, the patient could be injured! If the leg section is subjected to loads exceeding 110 lb, the examination and treatment chair could tip. This could seriously injure patients and bystanders!

Push in the leg section before the patient gets on!

- ▶ Push in the leg section.

# Helping the patient get onto the chair

## **⚠ WARNING Risk of injury!**

Depending on the treatment to be provided, it may be necessary to secure patients on the chair.

If you do not properly secure patients on the chair in such cases, they could fall off and injure themselves.

For such treatments, secure patients correctly on the chair!

► Secure patients.

## **Wheelchair accessibility**

The foot supports can be swung to the side as shown in Fig. 21.

► Swing the foot supports to the side as shown in Fig. 21.

☐ Now the seat surface is easier to reach from a wheelchair.

Preparation



Fig. 21  
Wheelchair accessibility

## Moving and locking

### **⚠ WARNING**

Risk of serious injury!

Moving the examination chair while a patient is on it puts the patient at risk!

The examination chair could tip over or collide with other objects. This could result in serious injury to patients!

Do not move the examination chair when a patient is on it! Do not use the examination chair to transport patients!

### **Moving chairs with the mobility function**

For more information about the mobility function, see Page 89.

- ▶ Bring the examination chair into the transport position.
  - ▷ Unplug the power cord.
  - ▷ Disconnect any hoses.
  - ▷ Remove any attached accessories.

### **⚠ DANGER Risk of injury!**

If you move the examination chair without disconnecting the power plug first, the power cord could break suddenly. People could be exposed to a life-threatening electric shock as a result!

Always disconnect the power plug before moving the examination chair!

### **NOTE Risk of damage!**

When you move the examination chair, the attached cables and hoses could break.

Always disconnect the cables and hoses before moving the examination chair!

- ▷ Secure the power cord, the foot control unit, and the foot control unit's cable.

- ▶ Push the caster brake up as shown in , or the locking pedal as shown in Fig. 22.
- ☐ Now the examination chair can be moved.

**NOTE Risk of damage!**

If you roll the double casters over the power cord or the foot control unit cable, you could damage them. Always make sure the double casters do not roll over any cables!

- ▶ Move the examination chair to the desired location.

**RECOMMENDATION**

Always move the examination chair with the rear side facing in the direction of travel! This makes it easier to move on bumpy surfaces.

**RECOMMENDATION**

While transporting the device, ensure that it does not strike people or objects.

- ▶ The foot control must be repositioned at the new location.
- ▶ Plug in the examination chair.

**Locking**

You should always lock the examination chair after moving it.

- ▶ Push the caster brake down as shown in or the locking pedal as shown in Fig. 23.
- ☐ The examination chair is now locked.

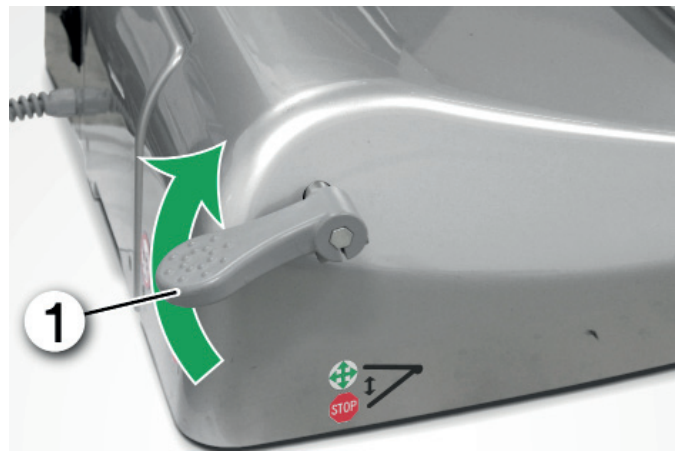


Fig. 22  
Releasing the casters  
1) Locking pedal



Fig. 23  
Locking the casters

# Starting up for the first time

The examination chair must undergo initial commissioning before a patient can be placed on it.

# Switching on/off

## Switching on

Prior to every use of the examination chair, perform an inspection to verify that it is in good working condition.

### **⚠ WARNING Risk of injury!**

Operating the examination chair without taking precautions for power outages can put people at risk!

The examination chair will only work when electricity is available. If there is a power outage, you will no longer be able to adjust the examination chair. In certain situations, the patient's condition could deteriorate as a result!

## Operation

- ▶ Make sure that precautions against power outages (e.g. on-site emergency power supply or independent power supply) are in place!
- ▶ Switch on the examination chair with the master switch. The master switch is located on the rear of the examination chair.
  - A sequence of tones with rising pitch can be heard.
  - The LED in the master switch lights up.



Fig. 24  
Back of examination chair  
1) Master switch

The ambient conditions permitted for operation can be found in Tab. 6.

### Switching off

- ▶ Switch off the examination chair with the master switch.
- A sequence of tones with falling pitch can be heard.
- The LED in the master switch goes out.

Parameter	Value
Ambient temperature	41°F - 104°F
Relative humidity	20% to 95% (at 86°F, non-condensing)
Permitted operating elevation	6561 ft above sea level

Tab. 6  
Permitted operating conditions

## Visual and functional checks

For proper operation, we recommend that visual and functional checks be performed by a trained inspector prior to every use. The inspections must take place at least once daily in order to use the chair safely.

We recommend that the results of the visual and functional checks be documented with the date and the inspector's signature. The following table can serve as a template.

## Checklist

1. Has the device been cleaned in accordance with the hygiene guidelines?

- |                          |                          |                          |   |
|--------------------------|--------------------------|--------------------------|---|
| <input type="checkbox"/> | ▶ No action is required. | <input type="checkbox"/> | ▶ Stop using the device for the time being. |
| <b>Yes</b>               |                          | <b>No</b>                | ▶ Clean and disinfect the device.           |

2. Are the stickers affixed to the device and are they undamaged?

- |                          |                          |                          |   |
|--------------------------|--------------------------|--------------------------|---|
| <input type="checkbox"/> | ▶ No action is required. | <input type="checkbox"/> | ▶ Order stickers from the Service Team at SCHMITZ medical USA LP. |
| <b>Yes</b>               |                          | <b>No</b>                | ▶ Replace old stickers with new ones where necessary.             |

3. Are the pads damaged?

- |                          |                     |                          |                          |
|--------------------------|---------------------|--------------------------|--------------------------|
| <input type="checkbox"/> | ▶ Replace the pads. | <input type="checkbox"/> | ▶ No action is required. |
| <b>Yes</b>               |                     | <b>No</b>                |                          |

4. Can the caster brakes be locked/released?

- |                          |                          |                          |   |
|--------------------------|--------------------------|--------------------------|---|
| <input type="checkbox"/> | ▶ No action is required. | <input type="checkbox"/> | ▶ Stop using the device.                              |
| <b>Yes</b>               |                          | <b>No</b>                | ▶ Contact the Service Team at SCHMITZ medical USA LP. |

5. Are the visible exterior electric cables or plugs of the hand control unit damaged?

- |                          |   |                          |                          |
|--------------------------|---|--------------------------|--------------------------|
| <input type="checkbox"/> | ▶ Order replacement part.                             | <input type="checkbox"/> | ▶ No action is required. |
| <b>Yes</b>               | ▶ Discontinue use in the event of hazard.             | <b>No</b>                |                          |
|                          | ▶ Contact the Service Team at SCHMITZ medical USA LP. |                          |                          |

6. Is the power cord or the master switch on the examination chair damaged?

- |                          |   |                          |                          |
|--------------------------|---|--------------------------|--------------------------|
| <input type="checkbox"/> | ▶ Stop using the device.                              | <input type="checkbox"/> | ▶ No action is required. |
| <b>Yes</b>               | ▶ Contact the Service Team at SCHMITZ medical USA LP. | <b>No</b>                |                          |

7. Are all the device's adjustment functions electrically adjustable?

- Height adjustment
- Seat adjustment
- Back adjustment
- Leg support adjustment

- |                          |                          |                          |   |
|--------------------------|--------------------------|--------------------------|---|
| <input type="checkbox"/> | ▶ No action is required. | <input type="checkbox"/> | ▶ Contact the Service Team at SCHMITZ medical USA LP. |
| <b>Yes</b>               |                          | <b>No</b>                |   |

8. Are any accessories damaged?

- |                          |   |                          |                          |
|--------------------------|---|--------------------------|--------------------------|
| <input type="checkbox"/> | ▶ Stop using the device.                              | <input type="checkbox"/> | ▶ No action is required. |
| <b>Yes</b>               | ▶ Contact the Service Team at SCHMITZ medical USA LP. | <b>No</b>                |                          |

9. Are any of the control units (if present) displaying an error?

- |                          |   |                          |                          |
|--------------------------|---|--------------------------|--------------------------|
| <input type="checkbox"/> | ▶ Contact the Service Team at SCHMITZ medical USA LP. | <input type="checkbox"/> | ▶ No action is required. |
| <b>Yes</b>               |   | <b>No</b>                |                          |

10. Does the examination chair wobble? (Only if the examination chair does not have double casters.)

- |                          |  |                          |                          |
|--------------------------|--|--------------------------|--------------------------|
| <input type="checkbox"/> | ▶ Adjust the leveling feet on the examination and treatment chair. | <input type="checkbox"/> | ▶ No action is required. |
| <b>Yes</b>               |  | <b>No</b>                |                          |

Date

Signature of inspector

--	--

Tab. 7

Checklist for daily inspection before using the examination chair

# Adjustment

An examination chair can be operated using the foot control unit and a hand control unit. If there is no electrical power, e.g. in the event of a power outage, the chair cannot be adjusted.

## Safety information

### **⚠ WARNING**

Risk of serious injury!  
Failure to lock a mobile examination chair before an examination or procedure puts people at risk! Mobile examination chairs can roll away uncontrollably. Patients could be injured!  
Always lock the casters on mobile chairs before an examination or procedure!

### **⚠ WARNING**

Risk of injury!  
Electromagnetic interference from electrical equipment that is positioned on or directly next to the examination chair can impair the examination chair's operation.  
Do not place any electrical equipment on or next to the examination chair. If that cannot be avoided, observe the examination chair and the equipment and make sure the examination chair is working as it should.

### **⚠ CAUTION**

Risk of injury!  
Adjusting the examination chair without sufficient caution puts people at risk!  
The examination chair or the accessories attached to it (e.g. leg supports) can strike body parts or objects. This can cause personal injury and/or damage to objects!  
Make sure that there is sufficient clearance when performing adjustments! Observe the examination chair constantly when adjusting it!

### **⚠ CAUTION**

Risk of injury!  
Lowering the examination chair without sufficient clearance puts people at risk!  
If the doctor's feet are on the foot rest, they could be crushed by the examination chair when it lowers!  
Before lowering the examination chair, make sure the doctor's feet are not on the foot rest!

### **NOTE**

Risk of damage!  
Carelessly lowering foot supports, leg supports or the seat section can cause damage!  
The colposcope support could be damaged if it is in its working position.  
Pivot the colposcope to its parked position (to the side) before adjusting the aforementioned parts!

## NOTE

Risk of damage!

Carelessly lowering the examination chair or its seat section can damage objects!

In this situation, a basin with gyro flushing in the extended position could strike mounted accessories or the rinsing basin. Damage to both objects could result.

Always push the basin with gyro flushing under the seat surface before lowering the examination chair or the seat section! Make sure that there is sufficient clearance when performing adjustments!



Fig. 25

Take care when lowering the seat section!

## NOTE Risk of damage!

If you lower the seat section when there are objects below it, the seat section will strike them. This may cause these objects to be damaged.

When lowering the seat section, make sure no objects are positioned below the seat section.

Göpel leg supports can be tilted using the hand control unit or the foot control unit. For more information, see “Using the control units” on page 50 or “Changing settings (Settings menu)” on page 57.

## CAUTION Risk of injury!

Lowering leg supports too far while patients are using them puts patients at risk! Patients may slide off the seat surface if the Göpel leg supports are lowered all the way. They could be injured.

Only lower the leg support three-quarters of the way down as shown in Fig. 26!

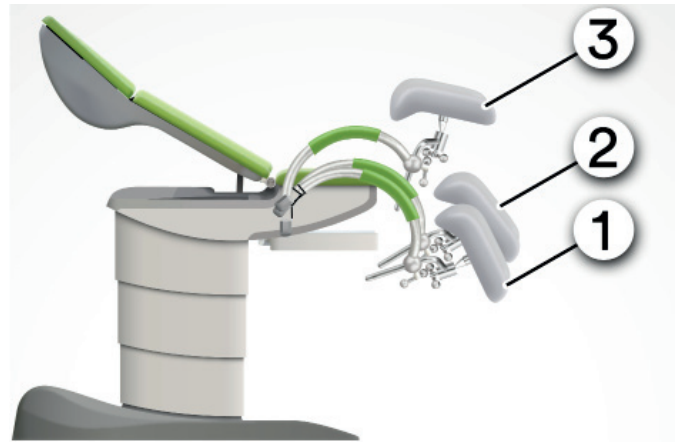


Fig. 26

Do not lower the Göpel leg supports all the way!

- 1) Göpel leg support completely lowered
- 2) Three-quarters of the way down
- 3) Göpel leg support completely raised



# Using the control units

## Safety information

### **⚠ WARNING**

Risk of injury!

There is an increased risk of injury for patients, users and third parties when using the memory function, as it is difficult to assess automatic adjustment in relation to accessories and other objects. This can lead to injuries such as crushing.

Keep the examination chair under constant observation during automatic adjustment!

Make sure you are able to intervene at any time! To cancel an adjustment movement, press any button on the hand control unit or foot control unit.

### **⚠ CAUTION**

Risk of injury!

If you lower the examination chair while someone's (e.g. the doctor's) feet are on the foot rest, the person's feet could be injured by crushing.

Feet should be removed from the foot rest before the examination chair is lowered!

### **NOTE**

Risk of damage!

When you adjust the examination chair, mounted colposcopes can easily strike the chair or attached accessories and cause damage.

Before adjusting the examination chair, swivel the mounted colposcope to the side!

## ⚠ CAUTION

### Risk of injury!

When you lower the back section, the distance between the back section and the lifting column decreases to 0.8 inch. In some situations, this can crush limbs.

Always make sure patients and bystanders do not place their limbs between the back section and the lifting column.

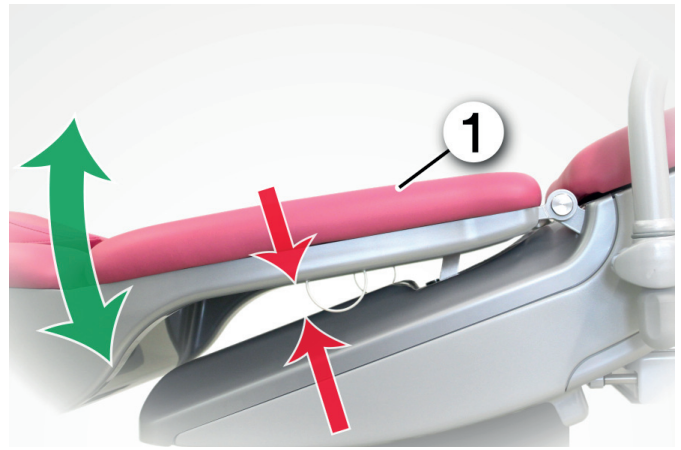


Fig. 27

Caution when lowering the back section!

1) Back section

## Acoustic signals

The examination chair emits acoustic signals when the control units are in use and when the examination chair is switched on and off.

- Note: single tone
- Warning: double tone
- Notification for completed system action: two tones, rising pitch
- Switched on: sequence of tones with rising pitch
- Switched off: sequence of tones with falling pitch

# Hand control unit

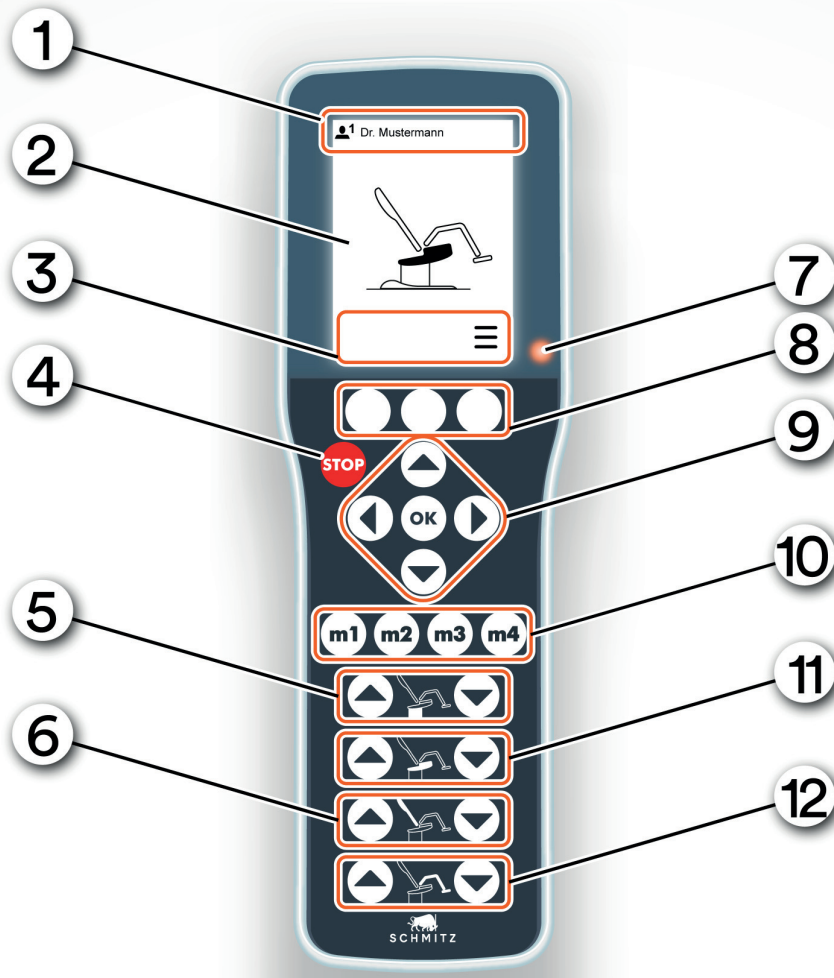


Fig. 28  
Hand control unit (with leg support adjustment installed)

① Status bar	② Screen
③ Function menu	④ Stop button
⑤ “Chair up/down” adjustment button	⑥ “Back section up/down” adjustment button
⑦ Indicator light for standby mode	⑧ Function buttons
⑨ Navigation buttons	⑩ Memory buttons
⑪ “Seat section up/down” adjustment button	⑫ “Foot/leg support up/down” adjustment button (if leg support adjustment is installed)

Tab. 8  
Position numbers in Fig. 28

The buttons on the hand control unit can be used to activate the examination chair's functions. A simplified depiction of the activated function is shown on the screen of the hand control unit.

### Switching on/off

The hand control unit switches on when the examination chair is switched on.

### Performing adjustments

- ▶ Press adjustment button ▲ or ▼ next to the icon for the desired adjustment.
  - The adjustment is carried out.
- It is not possible to activate more than two functions at once.

### Stopping an adjustment

- ▶ Release the adjustment button.

### Moving to saved positions (memory function)

- ▶ Double-press **m1**, **m2**, **m3** or **m4** for the saved position.
- The examination chair shifts to the stored position.
  - While an adjustment is in progress, the integrated examination light is off and the basin with gyro flushing is inactive.
  - The integrated examination light and the basin with gyro flushing won't be activated until the adjustment is completed.
  - While an adjustment is in progress, the "Switch user profile" option cannot be used, nor is it possible to switch options in the function menu.
  - Selecting "Open main menu" ends the adjustment.
- The saved end position is shown on the screen.



If there is no reaction when you press a memory button, see Page <VT>.

### Stopping the move to a saved position

- ▶ Press any button (except function buttons).
- The movement stops immediately.

### Stopping unintended movements

The stop button is used to stop all adjustment movements. The stop function remains active until it is canceled, so it can also be used to secure the examination chair against later unintended adjustment movements.

- ▶ Press the Stop button .
  - All processes are stopped immediately.
  - No further adjustments can be initiated.
- Canceling the stop function:
- ▶ Press the Stop button  for two seconds.
- Now you can work with the control unit again.

### Saving a position

Four positions for the examination chair can be saved under each of the four user profiles. To store more than four positions, you can use other user profiles.

- ▶ Move the examination chair to the desired position.
- ▶ Press the memory button (**m1**, **m2**, **m3** or **m4**) under which you want to save this position for several seconds.
  - You will hear a beep.
  - A message appears on the screen: "Saved successfully".
  - The current position of the examination chair is saved to the pressed button.

### Displaying saved positions

- ▶ Briefly press a memory button (**m1**, **m2**, **m3** or **m4**).
- For two seconds, the screen shows which position is saved for this button.


### Activating other functions

- ▶ Press the navigation buttons ▶ and ◀ until the symbol for the desired function appears in the function menu. The functions include:
    - activating the water supply for the basin with gyro flushing
    - switching the integrated examination light on and off
    - and others
- The symbols for the other functions can be found in Tab. 9.
- ▶ Press the function button under the symbol.
  - The function is performed.
  - If you want to switch on the integrated examination light with a function button, it has to be switched on first using the button on the lamp head and the lamp arm must be pivoted inward.

### Switching user profiles

There are four user profiles. A user or doctor can save personalized settings on the examination chair under each user profile. At a later time, for example after the chair has been used by a different doctor, the first user can switch back to their own user profile and their own



settings. The current user profile is displayed at the left in the status bar on the screen.




















- ▶ In the function menu, scroll to the  symbol.
- ▶ Press the function button under the symbol.
- The number for the new user profile (of the other doctor) appears in the status bar. If a doctor's name has been saved under the number, that name is displayed.
- Now the doctor's settings for the examination chair, such as the saved positions, apply.

### Activating sockets on the chair












#### **⚠ CAUTION Risk of injury!**

Switching on the examination chair's integrated sockets without checking the connected equipment puts people at risk! In such a situation, equipment connected to the integrated sockets can unexpectedly start up and injure people.

- ▶ Before switching on the integrated sockets, make sure the equipment connected to the integrated sockets is safe to operate.
- ▶ In the function menu, scroll to the  or  symbol.
- ▶ Press the function button under the symbol.
- The socket with the selected number is now switched on. Socket 1 is on the left, socket 2 on the right.

Symbol	Meaning
	Change to the settings saved for a different doctor ("Switch user profile")
	Show cleaning status
	Open main menu
	Activate standby mode
	Switch on socket 1
	Switch off socket 1
	Switch on socket 2
	Switch off socket 2
	Switch dark mode on/off
	Switch ambient illumination on/off
	Change color of ambient illumination (shows current and available color)
	Activate the water supply for the basin with gyro flushing
	Water supply activated for basin with gyro flushing
	Switch on examination light
	Switch off examination light
	Indicates that seat heating is off; selection key for changing the heat level
	Indicates seat heating level 1; selection key for changing the heat level
	Indicates seat heating level 2; selection key for changing the heat level
	Indicates seat heating level 3; selection key for changing the heat level

Tab. 9  
Symbols in function menu (some are displayed inverted in dark mode)

Display on screen	Meaning	Display on screen	Meaning
	Stop mode activated. No more adjustments are possible. To end, press the Stop button for 2 seconds.	 	Maintenance interval has expired. Examination chair needs maintenance.
 <b>A105</b>	Non-critical error. Consult the instructions for use.	 <b>A105</b>	A non-critical error; limited further use of the chair is possible. Contact the Service Team at SCHMITZ medical USA LP and report the status code. A105).
 <b>A001</b>	Critical error. Consult the instructions for use.	 <b>A001</b>	A critical error has occurred. The chair cannot be used until the error is resolved. Contact the Service Team at SCHMITZ medical USA LP and report the status code. A001).
	Cleaning mode activated. Indication that cleaning must take place. After cleaning, press the button under the checkmark.		Cleaning mode activated. Indication that cleaning has taken place. The examination chair can be used again.
	Loss of position data. Return all adjustments (height, backrest, seat section, legs) to their lowest settings and press the button until the acoustic signal sounds.		Examination chair is tilted. All movements stop. The examination chair must be levelled before it can be fully used.

Tab. 10  
Full-screen displays on hand control unit (some are displayed inverted in dark mode)

**Open main menu**

- ▶ Press the navigation buttons ▶ and ◀ until the ≡ symbol appears in the function menu.
- ▶ Press the function button under the ≡ symbol.
- The main menu appears. The following options are displayed:
  - **Current state** (only displayed when there is an error)
  - **User** (for user administration)
  - **Settings**
  - **System info**
- ▶ Use the ▲ and ▼ navigation buttons to scroll through the options.
- ▶ To select a menu option, press the function button under the ✓ symbol or press the OK button.
- ▶ To leave the main menu and the submenus, press the function button under the ✕ symbol.

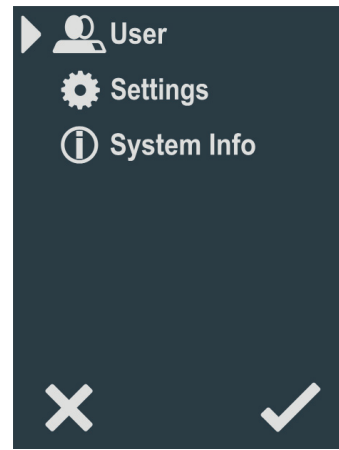







Fig. 29 Main menu with the “User,” “Settings” and “System info” options



**Managing user names (User menu)**

Four input fields are displayed where the names of the users (e.g. doctors) can be entered.

- ▶ Use the ▲ and ▼ navigation buttons to scroll through the four users.
- ▶ To enter the name of the selected user, press the function button under the  symbol.
  - ▷ Use the four navigation buttons to select letters; enter them by pressing the OK button.
  - ▷ To save a user name, press the function button under the ✓ symbol.
  - ▷ To leave name input mode without saving, press the function button under the ✕ symbol.
- ▶ To delete a user name, press the function button under the  symbol.

Symbol on screen	Meaning
	Display of memory position into which the chair is currently moving
	Preview of selected memory position (after single press on a memory button)
	No adjustment in progress

Tab. 11 Examples of symbols shown in the center of the hand control unit (some are displayed inverted in dark mode)

Symbol on screen	Meaning
	The personalized screen for Person 1 (user profile) is shown
	Attention! An error has occurred!

Tab. 12 Symbols in the status bar on the hand control unit (some are displayed inverted in dark mode)

### Changing settings (Settings menu)

The options “Standby,” “Reset Usersettings” and “Wireless devices” are displayed.

- ▶ Use the ▲ and ▼ navigation buttons to scroll through the options.
- ▶ To select a menu option, press the function button under the ✓ symbol or press the OK button.
- In the “Standby” submenu, you can specify the period after which the system switches to standby mode.
  - ▷ To change the period, press the navigation buttons ▶ and ◀ until the desired value is shown.
  - ▷ To save the value, press the function button under the ✓ symbol.
  - ▷ To leave the submenu without saving, press the function button under the ✕ symbol.
- In the “Reset Usersettings” submenu, you can reset all changed settings to the factory settings. This affects user profiles, memory positions and settings.
  - ▷ To reset the settings, press the function button under “Reset.”
  - ▷ To leave the submenu without saving, press the function button under the ✕ symbol.

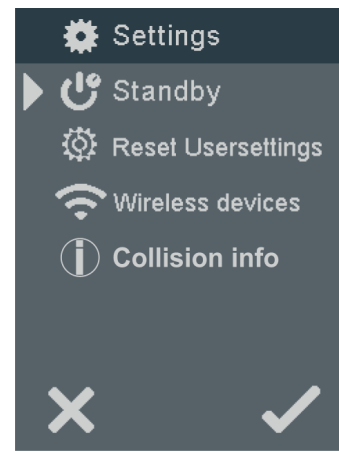


Fig. 30  
Settings menu with the “Standby,” “Reset Usersettings,” “Wireless devices” and “Collision info” options

### “System info” menu

The options “Maintenance info,” “System versions” and “Errorlog” are displayed.

- ▶ Use the ▲ and ▼ navigation buttons to scroll through the options.
- ▶ To select a menu option, press the function button under the ✓ symbol or press the OK button.
- In the “Maintenance info” submenu, the remaining use cycles and the remaining days until the next maintenance date are displayed. The remaining use cycles are those for the motor that will need maintenance first. If a different motor is used, this number will not change.
  - ▷ To reset the settings, press the function button under “Reset.” To leave the submenu without saving, press the function button under the ✕ symbol.

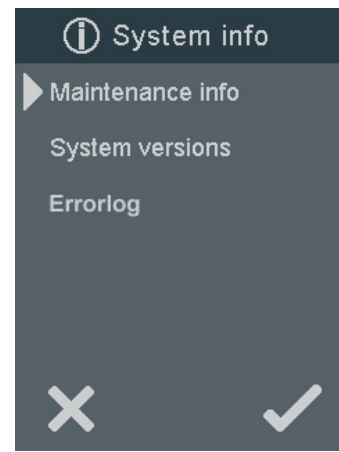


Fig. 31  
“System info” submenu with the “Maintenance info,” “System versions” and “Error log” options

- In the “System versions” submenu, the software versions are displayed.
  - ▷ To leave the submenu, press the function button under the ✕ symbol.
- In the “Error log” submenu, you can view the last 50 error messages and the times when they occurred. (These error messages are not deleted when the examination chair is switched off.) Critical errors are displayed in red. Details about individual errors can be displayed.
  - ▷ Use the ▲ and ▼ navigation buttons to scroll through the error messages.
  - ▷ To open an error message, press the function button under the ✓ symbol or press the OK button.
- A detailed description of the error message is displayed.

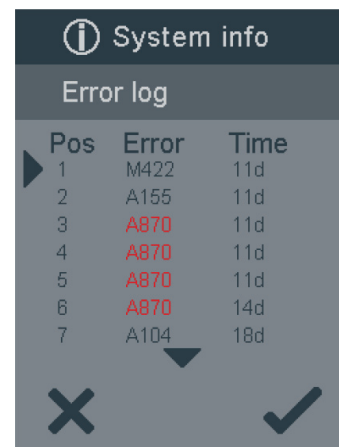


Fig. 32  
“Error log” submenu

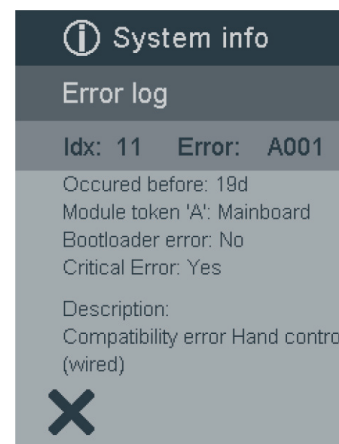


Fig. 33  
Details about the selected error message

# Foot control unit

## ⚠ CAUTION

Risk of injury!

Poor positioning of the foot control unit puts patients at risk!

If the foot control unit is positioned where patients get on and off the chair, they could accidentally step on the buttons. The examination chair could move as a result, and patients and bystanders could be injured! Position the foot control unit so that patients cannot inadvertently step on its buttons when getting on and off the chair.

The foot control unit can be used to adjust the examination chair, but it cannot be used to save any positions. It also cannot provide a preview of the saved positions.

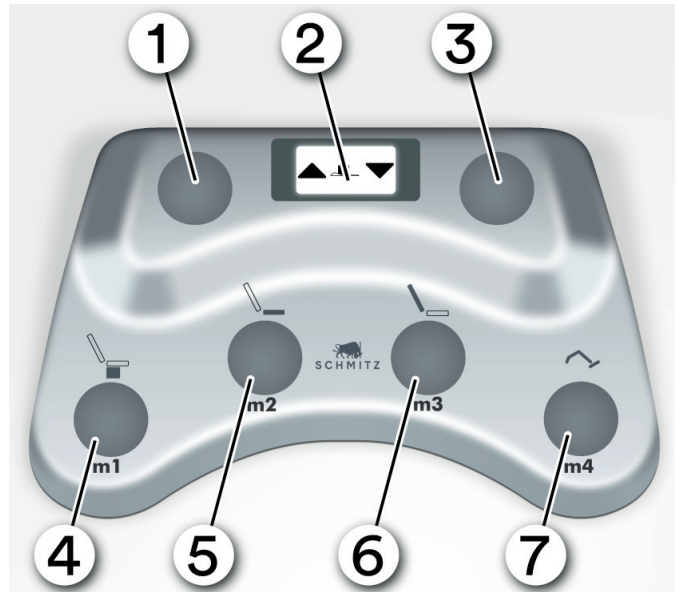


Fig. 34  
Foot control unit

Operation

① Left button

③ Right button

⑤ Mode selection button for seat adjustment (press once) or memory button **m2** (to retrieve the saved position, press twice)

⑦ Mode selection button for leg support adjustment (click once) or memory button **m4** (to retrieve the saved position, press twice)

② Screen

④ Mode selection button for height adjustment (press once) or memory button **m1** (to retrieve the saved position, press twice)

⑥ Mode selection button for back adjustment (press once) or memory button **m3** (to retrieve the saved position, press twice)

Tab. 13

Part numbers for the illustration above

The unit has an e-paper screen that displays even when unplugged.

### **NOTE** Risk of damage!

If you place the foot control unit in direct sunlight, its screen can be damaged. Avoid placing the foot control unit in a place where it can be exposed to direct sunlight!

### **NOTE** Risk of damage!

If you unplug the cable for the foot control unit from an examination chair that is switched on, the foot control unit can be damaged. Switch the examination chair off first and wait 3 seconds before unplugging the foot control unit!

## Observe safety information

You can find special safety information on this topic in “Anschließen” on page 10 and “Patienten lagern” on page 12.

You can find information about replacing the batteries in the foot control unit on Page <ÜS>.

## Adjusting the examination chair



- ▶ Briefly press the mode selection button for the desired adjustment.
- The desired adjustment is selected and appears on the foot control unit's screen.
- ▶ Press the desired button.
  - ▷ Press the left button for adjustment in the principal direction (part 1 in Fig. 34) *or*
  - ▷ Press the right button for adjustment opposite the principal direction (part 3 in Fig. 34).
- The examination chair moves in the desired direction.

## Moving to a saved position



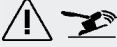








- ▶ Double-press the memory button (**m1**, **m2**, **m3** or **m4**) under which the desired position was saved.
- The examination chair shifts to the stored position.
- While the examination chair is moving to the desired position, the screen shows the selected position number.

## Other functions

- ▶ Press the button next to the symbol for the desired function. See Tab. 14 for the meaning of the symbols.
- The desired function is performed.

Symbol	Meaning
	Change to the settings saved for a different doctor (“Switch user profile”)
	Activate the water supply for the basin with gyro flushing

Tab. 14  
Function menus on the screen of the foot control unit

Symbol on screen	Meaning	Symbol on screen	Meaning
	Stop mode activated. No more adjustments are possible. To end, press the Stop button on the hand control for 2 seconds.		A critical error has occurred. The chair cannot be used until the error is resolved. Contact the Service Team at SCHMITZ medical USA LP and report the status code.
	Examination chair is tilted. All movements stop. The examination chair must be levelled before it can be fully used.		Loss of position data. Return all adjustments (height, backrest, seat section, legs) to their lowest settings and press the button until the acoustic signal sounds.
	Cleaning mode activated. Indication that cleaning must take place. After cleaning, press the button under the checkmark on the hand control.		The examination chair is in standby mode and cannot be operated.
	Backrest selected		Column selected
	Seat section selected		Foot supports selected
	Maintenance interval has expired. Examination chair needs maintenance.		

Tab. 15  
Other screen displays for the foot control unit