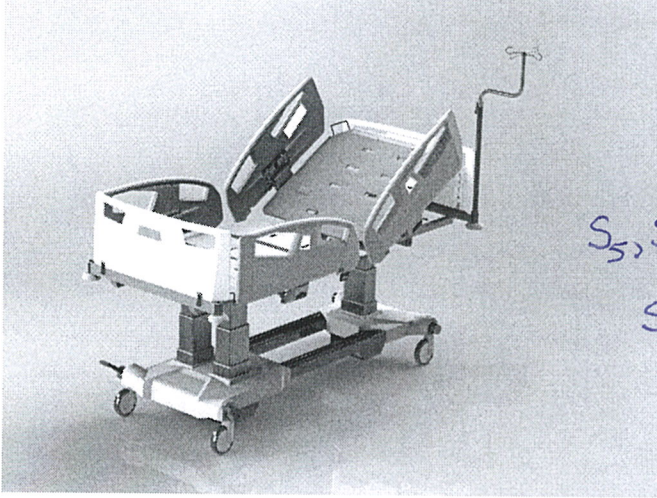


Product Name: MCARE CL COLUMN MOTORIZED SCALE ELECTRONIC BED



MCARE CL COLUMN MOTORIZED SCALE ELECTRONIC BED

- Hand remote control
- Electronic adjustments of backboard, footboard and height
- Fowler, Vascular, Trendelenburg, Reverse Trendelenburg, Cardiac, Auto-contour, Examination, Emergency positions
- Manual CPR on the back
- Lockable and fold-away PP side rails
- 4 section, detachable and easy cleanable PP mattress platform
- Lockable and detachable headboard and footboard panels
- Protective plastic corner bumpers
- Easy adjustable footboard support
- Electrostatic powder coated metal frame
- Angle indicator
- Mattress holder
- Detachable drainage hanger
- Height adjustable stainless steel IV pole with 4 hooks
- IV pole sockets on four corners
- Lockable single castors
- Antistatic grounding

OPTIONAL ACCESSORIES

- Battery - S18
- Manual CPR
- Oxygen cylinder carrier
- Grab handle
- Monitor stand
- Cassette holder on the back
- File holder
- Foot Pedal
- Traction set
- Central lock
- Domestic castor

VERSIONS

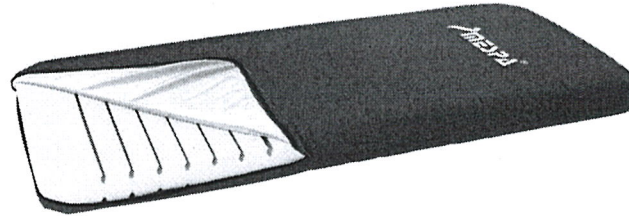
- Bed length extender
- Footboard nurse control panel
- HPL mattress surface
- HPL mattress surface
- Metal mattress surface
- Backboard HPL
- Folding Metal Railing
- 5 castor

Extras bröşürü pag.1

DTH:001 Issue Date: 2021-01 Rev. Date

MS 2200

Foam Mattress



Introduction

S21 { MS 2200 Foam Mattress consists of foam with a density of 28 kg/m³ foam and cuttings over the full width of the mattress. Special CNC cutting reducing contact points so distribute and reduce pressure on human body. Air passages, provide air circulation and prevent heat accumulation.

- Accords to all bedsteads through a special CNC cutting,
- Air passages reduce perspiration,
- Comfort is provided to the user by the regional design,
- One-piece design creates an acute alternative to mattress with classical parts,
- Provides with anti-bacterial, water proof, and breathable cover. -S21

Content

MS 2200 Foam Mattress is produced in accordance with hospital examination rooms, emergency room and being adjustable to all bedsteads. It is provided with the anti-bacterial cover. This cover has complementary features with the mattress.

An important feature in a mattress to prevent the patient against decubitus ulcer is having air passages and by the help of these passages, reducing perspiration. At this point cover assists mattress with being breathable. Second point is for the cover being impermeable fluids but as mentioned before allow air to pass. So cover does not obstruct air passages situation.

MESPA HEALTHCARE PRODUCTS INC.

2. organize sanayi bolgesi 83216 nolu cadde no:20 Gaziantep / TURKIYE

Tel: +90 444 5 821

Fax: +90 342 337 53 13

e-mail: export@mespa.com.tr

web: www.mespa.com.tr



Product Overview

MS 2200 Foam Mattress is available for using on both sides. This mattress is produced in one layer and both sides have the same CNC cutting. The special CNC cutting also provides to minimize pressure to contact directly on patient body. Its design helps the patient to move on easily. Optimal thickness is 12cm for hospital examination rooms and size is 195x85 but other size can be made on request. It is also autoclavable when required to sterilize.

Technical Data

Standard Size	195x85x12 cm
Material	Grey PU foam
Density	28 ± 2kg/m ³
Cleaning	Auto clavable
Area of usage	Hospital Examination Rooms, Emergency Rooms
Mattress weight	6 kg
Warranty	2 years

Extras broşurü saltea pag.2.

MESPA HEALTHCARE PRODUCTS INC.

2. organize sanayi bolgesi 83216 nolu cadde no:20 Gaziantep / TURKIYE

Tel: +90 444 5 821





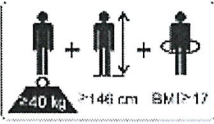
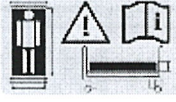

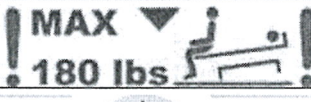







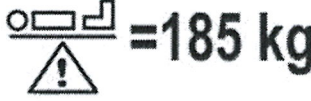






Fax: +90 342 337 53 13

e-mail: export@mespa.com.tr

web: www.mespa.com.tr



2.2. Symbols and Labels on the Mattress

	Read Instructions Before Use		Press to activate Control Elements
	WEEE symbol (recycle as electronic waste, do not dispose of in household waste)		Safe Working Load -S12
	Physical Description of an Adult		Use the mattress recommended by the manufacturer
	Do not place any objects or objects under the bed		Footrest maximum load
	Warning against handling or breaking		Conductor connection for potential equalization
	Manual CPR Arm		General warning sign
	Attention		Parts applied for type B
	For indoor use		Maximum Patient Weight
	Recycling Symbol		Recycling Symbol
	Recycling Symbol		Do Not Open
	Producer		Production date

Extras manual de utilizare pag. 8

2.4. Serial Numbers and Barcode Label

MESPA
Mespa Sağlık Tekno. San ve Tic. A.Ş.
2. Organize Sanayi Bölgesi 83216 Cad. No:20
Şehitkamil / Gaziantep TURKEY
+90 850 227 3434
mespa@mespa.com.tr
service@mespa.com.tr
www.mespa.com.tr
Made in Turkey

REF MCARE K LTR 2 KLN
MCARE LATERAL TILT
İKİ KOLON MOTORLU
TERAZİLİ ELEKTRONİK
YATAK
16.11.2023
Order No

MDR(AB)2017/745
SN221220220000075
UDI KOD 8697669950658

220-240 V ,50/60 Hz ,250W I Sınıfı
IPx4

185 kg 250 kg MD

MESPA
Mespa Sağlık Tekno. San ve Tic. A.Ş.
2. Organize Sanayi Bölgesi 83216 Cad. No:20
Şehitkamil / Gaziantep TURKEY
+90 850 227 3434
mespa@mespa.com.tr
service@mespa.com.tr
www.mespa.com.tr
Made in Turkey

REF MCARE K PLUS
MCARE K PLUS
16.11.2023
Order No

MDR(AB)2017/745
SN140620220000011
UDI KOD 8697669950337

220-240 V ,50/60 Hz ,250W I Sınıfı
IPx4

185 kg 250 kg MD

MESPA
Mespa Sağlık Tekno. San ve Tic. A.Ş.
2. Organize Sanayi Bölgesi 83216 Cad. No:20
Şehitkamil / Gaziantep TURKEY
+90 850 227 3434
mespa@mespa.com.tr
service@mespa.com.tr
www.mespa.com.tr
Made in Turkey

REF MCARE CL
MCARE LATERAL TILT
ÜÇ KOLON MOTORLU
TERAZİLİ ELEKTRONİK
YATAK
15.11.2023
Order No

MDR(AB)2017/745
SN140320230000300
UDI KOD 8697669950665

220-240 V ,50/60 Hz ,250W I Sınıfı
IPx4

185 kg 250 kg MD

MESPA
Mespa Sağlık Matz. San ve Tic. A.Ş.
2. Organize Sanayi Bölgesi 83216 Cad. No:20
Şehitkamil / Gaziantep TURKEY
+90 850 227 3434
mespa@mespa.com.tr
service@mespa.com.tr
www.mespa.com.tr
Made in Turkey

REF MCARE K5
MODEL MCARE K KOLON
MOTORLU ELEKTRONİK
YATAK
XX XX.XXXX
Order No

MDR(AB)2017/745
SN XXXXXXXXXXXXXXXXX
UDI KOD 8697669950696

220-240 V ,50/60 Hz ,250W I Sınıfı
IPx4

185 kg 250 kg MD

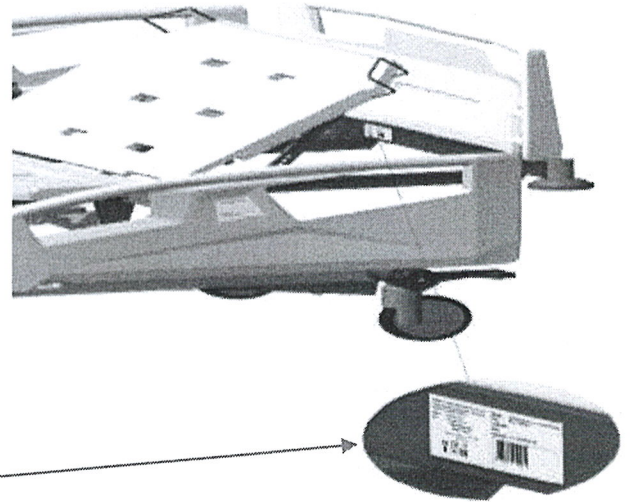
MESPA
Mespa Sağlık Tekno. San ve Tic. A.Ş.
2. Organize Sanayi Bölgesi 83216 Cad. No:20
Şehitkamil / Gaziantep TURKEY
+90 850 227 3434
mespa@mespa.com.tr
service@mespa.com.tr
www.mespa.com.tr
Made in Turkey

REF MCARE K
MCARE K KOLON
MOTORLU ELEKTRONİK
YATAK
16.11.2023
Order No

MDR(AB)2017/745
SN020120230000133
UDI KOD 8697669950160

220-240 V ,50/60 Hz ,250W I Sınıfı
IPx4

185 kg 250 kg MD



S₁₂ - MCARE LABEL LOCATION

Extras manual de utilizare pag. 10

4.PURPOSE OF USAGE

S₃, S₁ } ➤ MCARE is a positionable intensive care and general patient care bed. Its purpose is to support the patient and facilitate treatment and practice with the patient for the nursing staff. MCARE is equipped with a weighing system (optional) designed to weigh patients. MCARE can work integrated with the air mattress system. The air mattress system (optional) aims to help patients prevent and treat pressure injuries.

- MCARE should only be used by or under the supervision of trained and qualified maintenance personnel.
- MCARE is compatible for the following patients:
 - Over 40kg
 - Taller Than 146cm
 - Those with a Body Mass Index greater than 17.

ATTENTION!



The height adjustment of the bed should be proportional to the patient's height!
Risk of pinching or entrapment as the patient's body structure is disproportionate to the size of the bed support platform!

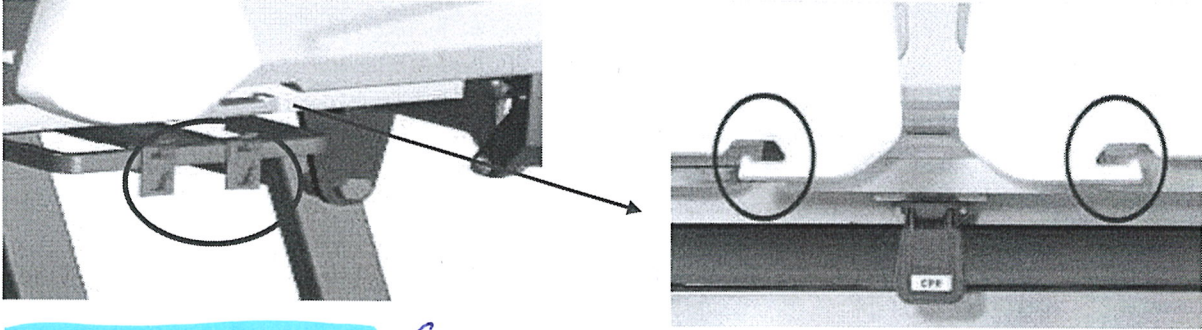
- Personnel
 - Qualified healthcare personnel
 - Patient (if the condition allows)
- Usage
 - Intensive/intensive care units
 - Hospital rooms
 - Patient transfer
- Transportation
 - In original bag
- Medical purpose
 - Support for patients in MCARE beds
 - Pressure ulcer prevention
- Location
 - Bearing, application environment is determined according to EN 60601-2-52.

NOTE: For information on uses other than these, please contact MESPA.

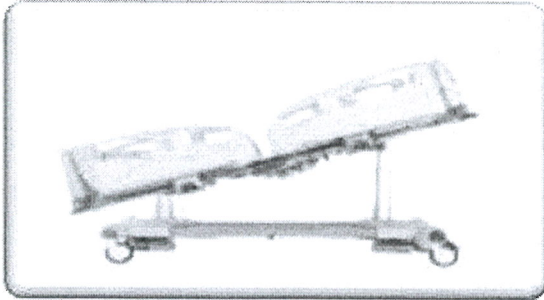
Extras manual de utilizare pag. 14

5.8. Drainage Hanger

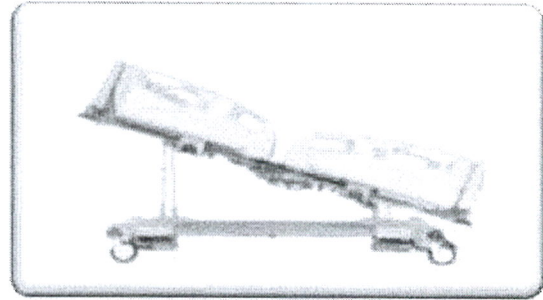
Drainage hanger integrated in MCARE bed top frame and guardrails.



5.9. Trendelenburg Positions - S₆



Trendelenburg - S₆



Reverse Trendelenburg - S₆

- For the Trendelenburg position of the bed, use the Trendelenburg button on the control panel shown in the figure.

Press and hold the button until the bed inclination reaches the desired level.



- Press and hold the Trendelenburg button for reverse Trendelenburg movement of the bed



On the control panel unit shown in the figure, press and hold the button until the bed inclination reaches the desired level.

5.10. Lateral Positions

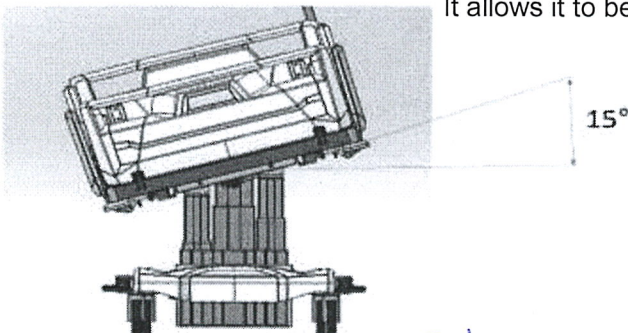
S₁₀

Lateral positions, right lateral and left lateral

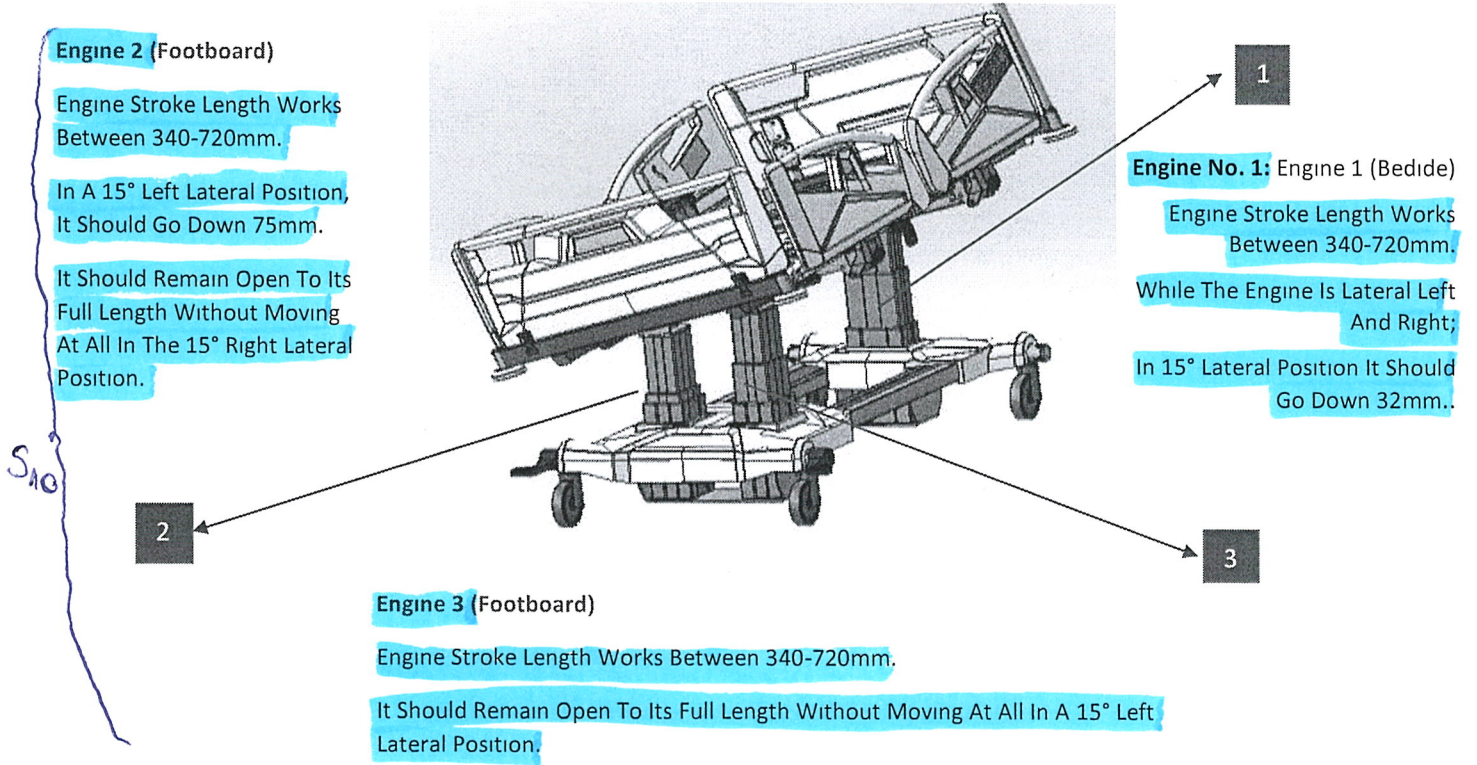
It has two positions:

These positions ensure that the patient is comfortable and safe.

It allows it to be moved to another area



Extras manual de utilizare pag. 19



5.11. Wheel Brake Mechanism



WARNINIG!

- Material damage due to incorrect handling and unintentional movement!
- Before transporting, make sure the bed is disconnected from the electrical network.
- Make sure the wheels are braked before assembly, disassembly and maintenance.
- Make sure the wheels are braked when the bed is occupied.
- During transportation, hang the power cable on the carrying hook.
- Ensure that the bed is carried only by caregivers and at least 2 people..



WARNINIG!

The minimum space under the bed (standard version with 15 cm wheels) is 10 cm!

- Observe the road for obstacles and avoid collisions and possible damage to any bearing parts in the undercarriage.
- Do not use bed lifts and cranes to lift the bed.

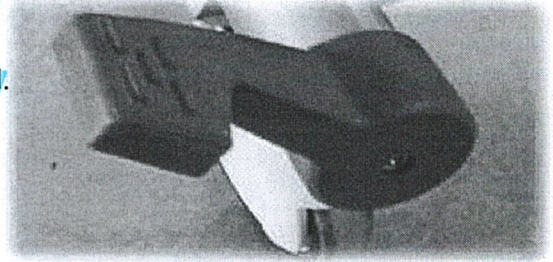
The bed is equipped with a centrally lockable castor or cross-lockable castor system. The locking mechanisms for the central lock are located in the two corners of the foot end of the lower chassis. For the cross lockable castor, the foot end is on the castor in the right corner and the head end is on the castor in the left corner.

Extras manual de utilizare pag. 20

5.12. Central Lock Pedal Positions

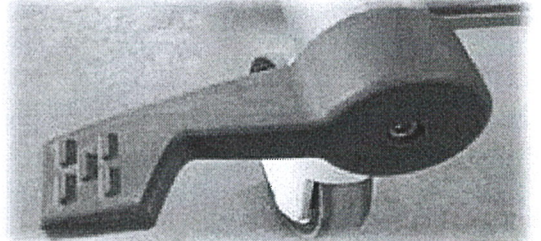
5.12.1. Unlimited Movement – Direction Lock (PEDAL UP)

S15 { The front wheel to the left of the user's view is direction locked. The bed moves straight ahead. If the bed has a fifth wheel, This wheel determines the direction of movement. When the brake pedal is in horizontal position; None of the wheels are locked. In this case, you can move in any direction.



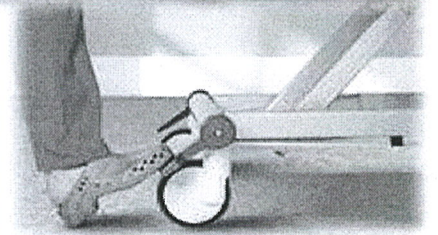
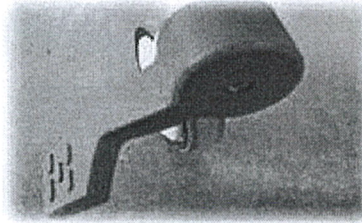
5.12.2. Forward Movement

All four wheels are unlocked. Move the brake pedal up. If you make it happen; when you set one of the wheels straight (Direction Lock). In this case, you can move in a straight position



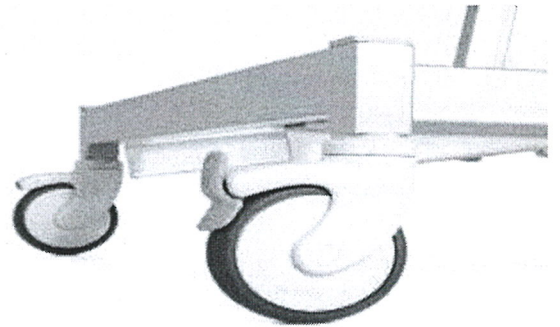
5.12.3. Wheel Locked (PEDAL DOWN)

S15 { Wheel Locked: If you move the brake pedal downwards; all wheels will be locked (central locking). In this case it remains constant.



5.13. Cross Lock Mechanism

1. When the lock is pressed down, the Lock activated wheel is locked.
2. When the lock is pressed up, the wheel is released.



5.14. IV Pole (Serum Hanger) and Accessory Slots

WARNING!

Risk of injury due to incompatible accessories!

- Only use original accessories from the manufacturer.

NOTE The manufacturer is not responsible for the use of unapproved accessories.



Mcare is designed with 4 accessories or IV pole slots..

Extras manual de utilizare pag. 21

6. TECHNICAL SPECIFICATIONS

All technical data are graded data and are subject to construction and manufacturing tolerances.

6.1. Applied Parts (Type B)

The entire bed accessible to the patient (including accessories) is Type B applied parts.

- Mattress Platform, covers and all removable parts
- Bedside and Footside Headboard Panels
- Side Rails
- Hand Control and Nurse Control Unit

6.2. Mechanical Properties (MCARE Column Motor Series Models)

Parameters	MCARE
External Dimensions (ExB)	222x100 cm
Mattress Platform	85x195 cm
Maximum Mattress Height	14 cm
Bed Bottom Clearance	17 cm
Wheel Diameter	125mm-150 mm - S14
Above Floor Mattress Platform Min. And Max. Height	Min. 44 cm } S13 Maks. 82 cm
Maximum Backrest Angle	0° - 70° - S8
Maximum Toe Angle	0° - 40°
Trend. And Reverse Trend. angle	+/- 16° - S6
Bed Weight in Simple Bed Configuration	110-125 kg
Beds Safe Working Weight	250 kg - S12
Handrail Safe Working Weight	70 kg
Maximum Patient Weight	185 Kg
Power Input	Max. 3,15A 100V-240V~50/60 Hz
Protection Against Electricity	Class I, Type B
Protection Against Water Infiltration	IPx66

Extras manual de utilizare pag. 23

6.3. Weighing System (Optional)

Accuracy of displayed weight values:

- 0.1kg
- Weighing Class III

The scale indicator is equipped with a screen that shows weight information. The maximum measurable weight is 500kg.

6.4. Environmental Conditions

Terms of Use	
Ambient temperature	10°C - 40°C
Humidity Conditions	30% - 75 %
Atmospheric Pressure	795 hPa - 1060 hPa
Storage and Transport Conditions	
Ambient temperature	-20°C- 50°C
Humidity Conditions	20% - 90 %
Atmospheric Pressure	795 hPa - 1060 hPa

7. Electrical and Electromagnetic Compatibility

7.1. Electrical Properties

Input Voltage, Frequency	100-240VAC , 50 -60 Hz -S19
Maximum Power Input	3500-4000mA *Gerilim 12 / 24V DC; 12 / 24V DC (PTC)
Ingress Protection (EN 60529)	IPX4 VEYA IPX6
Protection Class	III
Electric Motor Duty Cycle	%10, Max. 2Min. On 18Min. Off
Maximum Push Pull	2500 N (itme) – 1000 N (çekme)
Maximum Speed (Loaded)	5,1 mm / sn.
Maximum Speed (No Load)	58,3 mm / sn.
Retracted Length	≥ Strok + 140mm (Strok 20 ~ 600mm)
IP Rating	IP66
Certificates	IEC60601-1,ES60601-1,IEC60601-1-2,UL962,EMC
Operating Temperature Range	+5°C~+45°C

Extras manual de utilizare pag. 24

11.9. Moving the Bed

WARNING!

Risk of injury when adjusting the bed!

- When adjusting the bed, make sure there are no body parts between the mattress platform elements and the mattress platform frame.
- Before adjusting the bed, make sure there are no body parts or any accessories underneath the mattress platform frame.

11.10. Control Units

The bed is operated by different control units.

Control units depending on model:

- Nurse Control Panels Integrated into Side Railings
- Patient Control Panels Integrated into Side Rails
- Nurse Control Unit (Footboard)
- Patient Hand Control
- Weighing System Control Unit (Footboard)

Disabling individual functions on the Nurse Control Panel or Unit will affect all control elements.

- If the bed does not respond to individual position adjustments:
- Check if the function is disabled on the Nurse Control panel or unit.

12. Shipping

For safe transportation, pay attention to the following:

- When moving the bed, make sure that the cables are not crossed.
- Make sure the power cord is secured with a hook (at the head of the bed).
- Make sure the casters are unlocked before moving the bed during loading/unloading (see Caster Inspection).
- Adjust the bed height at least 20 cm below the maximum height.
- Push the bed through the headboard or footboard panels.
- Move the bed only on suitable floor surfaces.
- Make sure the bed is braked when it should not move.

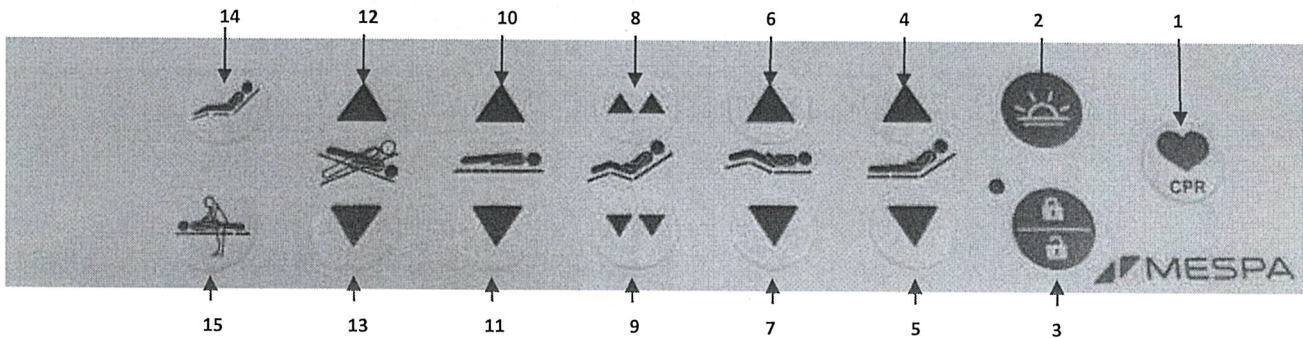
Suitable surfaces:

- Flooring
- Hard linoleum
- Cast flooring

Extras manual de utilizare pag. 35

19	Nurse Control Unit Flash Lighting / Press this button to turn on or off the Flash light on the control unit.
20	Cardiac Sitting Position Button / Press and hold this button for the patient to come to the sitting position. In this way, the back part and foot end function will be maximized and the bed inclination will come down to the foot end.
21	Vascular Position Foot Support Button / Press and hold to position the bed in vascular position. In this way, the backrest and footboard functions will be maximized and will be positioned manually by adjusting the destomat located in the footboard section.
22.	Fowler Position Button / Press and hold to put the bed in fowler position.
23	CPR (cardiopulmonary resuscitation) Position Button / Press and hold to put the bed in CPR position. In this way, the bed will return to the 0 position with all its functions. } S ₄
24	Function Lock Button / To lock the Back Section, Footrest and Height functions, simultaneously press the lock button and the button of the function you want to lock. To lock all functions at once, press lock buttons 14 and 24 at the same time. If the function is locked, the LED light will turn on.
25	Bed Incline Lock Button / Press and hold simultaneously with button 24 or 14 to lock the use of bed tilt. If the bed inclination is locked, the height function will also be locked. If the function is locked, the LED light will turn on.
26	Bed Height Lock Button / Press and hold simultaneously with button 24 or 14 to lock the use of the bed height function. If the bed height function is locked, the tilt function will also be locked. If the function is locked, the LED light will turn on.
27.	Auto Contour Lock Button / Press and hold simultaneously with button 24 or 14 to lock the use of the Auto Contour function. If Auto Contour is locked, the backrest and footboard functions will also be locked. If the function is locked, the LED light will turn on.
28	Footrest Lock Button / Press and hold simultaneously with button 24 or 14 to lock the use of the footrest function. If the function is locked, the LED light will turn on.
29	Back Side Lock Button / Press 24 or 24 to lock the use of the back part function.

S₂₀- 13.2. Integrated Nurse Control Panel (4 Motors)



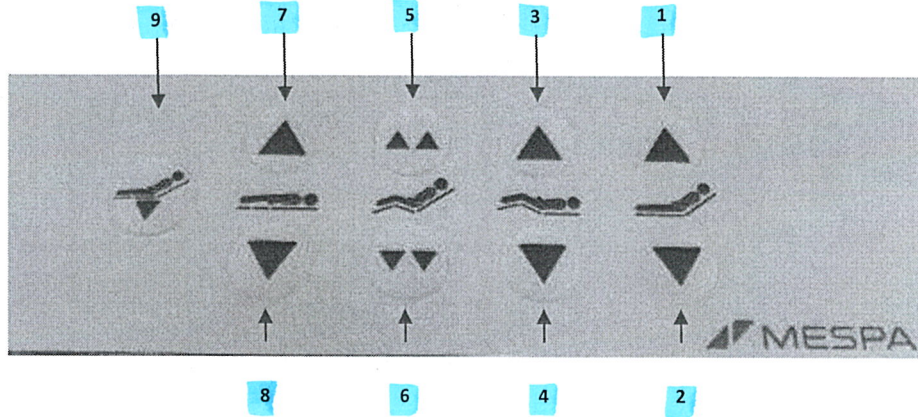
Extras manual de utilizare pag. 38

1	CPR (cardiopulmonary resuscitation) Position Button / Press and hold to put the bed in CPR position. In this way, the bed will return to the 0 position with all its functions. Electrical Network Connection Status / LED light turns on when the bed's plug is plugged into the socket
2	Under Bed Lighting / press this button to turn the under bed light on or off
3	Function Lock Button / To lock the Back Section, Footrest and Height functions, simultaneously press the lock button and the button of the function you want to lock.
4	Back Section Up Movement Button / To move the back section up, press and hold until it reaches the desired level
5.	Backrest Down Button / To move the backrest down, press and hold it until it reaches the desired level.
6	Footrest Section Up Movement Button / To move the footpiece up, press and hold it until you reach the desired level.
7	Footrest Section Down Movement Button / To move the footboard section down, press and hold it until you reach the desired level.
8	Auto Contour Up Button / To move the backrest and footrest up at the same time, press and hold until you reach the desired level.
9	Auto Contour Move Down Button / To move the back part and foot part down at the same time, press and hold until you reach the desired level
10 S ₂₀ -	Height Up Movement Button / To move the height of the bed up, press and hold until you reach the desired level
11 S ₂₀ -	Height Down Button / To move the height of the bed down, press and hold until you reach the desired level
12	Trendelenburg (Upside Down Tilt) Movement Button / Press and hold until the bed reaches the desired level to move it to the Trendelenburg position
13	Reverse Trendelenburg (Foot-down Tilt) Movement Button / Press and hold until the bed is at the desired level to move it to the Reverse Trendelenburg position
14	Cardiac Sitting Position Button / Press and hold this button for the patient to come to the sitting position. In this way, the back part and foot end function will be maximized and the bed inclination will come down to the foot end.

Extras manual de utilizare pag. 39

S₄ - 13.3. Integrated Patient Control Panel (4 Motors)

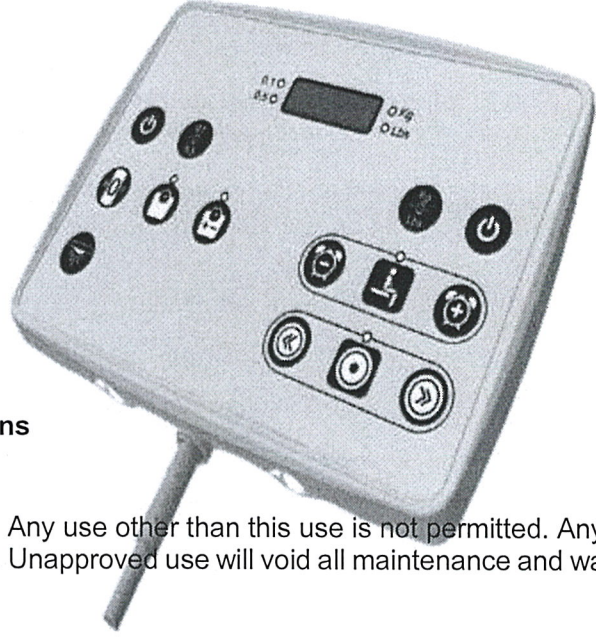
S₄ -



1	Back Section Up Movement Button / To move the back section up, press and hold it until it reaches the desired level.
2	Back Part Down Button / To move the back part down, press and hold it until it reaches the desired level.
3	Toe End Up Movement Button / To move the foot end up, press and hold it until it reaches the level you want.
4	Toe Cap Down Movement Button / To move the foot end down, press and hold it until you reach the desired level.
5	Auto Contour Up Movement Button / To move the back part and foot part up at the same time, press and hold until you reach the desired level
6	Auto Contour Move Down Button / To move the back part and the foot part down at the same time, press and hold it until you reach the desired level.
7	Height Up Button / To move the height of the bed up, press and hold until you reach the desired level
8	Height Down Button / Press and hold to move the bed's height down until you reach the desired level
9	Bed Exit Position Button / Press and hold to make it easier for the patient to get out of bed. In this way, the backrest function will be maximum and the bed will reach the minimum height.

Extras manual de utilizare pag. 40

14. Weighing System -Sg



14.1. Weighing Equipment Technical Specifications

Weighing System is used to measure patient weight. Any use other than this use is not permitted. Any other use may cause accidents and damage to the product. Unapproved use will void all maintenance and warranty claims made to the end product manufacturer.

The scale indicator is equipped with a screen that shows weight information. The maximum weight that can be measured is 500kg.

The button safety is designed for two-handed control.

There are two types of sensitivity indicators: 500g and 100g. The default sensitivity is offered to the user as 500g. According to the standards, 100g accuracy is not an approved weight measurement and is intended as a guide.

The measurement freeze function is designed to prevent the addition of extra load that may affect the patient's weight from being added to the measurement. The maximum weight that can be added is designed to be 75kg.

The tare function is provided so that the current weight before the patient goes to bed is not included in the measurement. Maximum tare is 200kg.

Bed leaving / load adding alarm, the system will give an audible notification if the patient leaves the bed or too much load is added.

The measurement unit can be selected as Kg or lbs.

Indicator illumination: Two illuminations are used in the weighing indicator.

14.2. Weighing System Warnings



Attention

Using the Weighing System in the following situations poses a danger;

Near flammable, explosive gases or in environments where flammable and explosive gases may be present

Near open fires or other sources of heat

In direct sunlight and outdoors

Do not use as a power source for toys or electronic games.

The Weighing System should not be used by the following people;

Extras manual de utilizare pag. 42

15. Bed Accessories and Features

15.1. X-Ray Lung Examination (Back Part)

S17

The back of the bed optionally consists of HPL and is x-ray permeable. The bed is equipped with an x-ray cassette holder placed under the backrest. This design allows X-ray images of the patient's lungs to be taken without manually moving the patient.

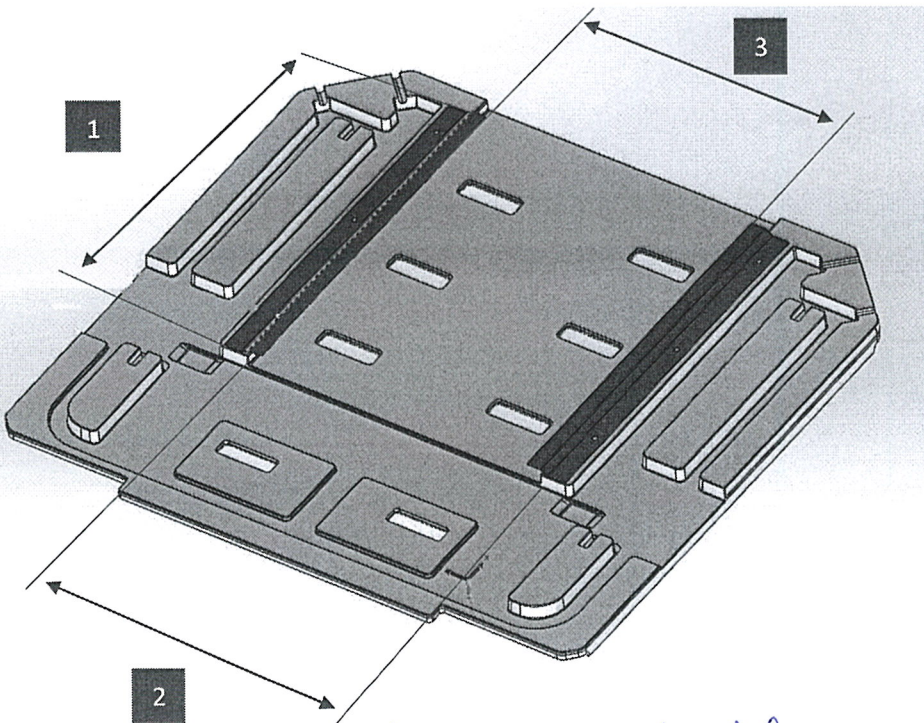
Necessary Steps Before Examination



NOTE: This procedure is primarily suitable for patients who cannot be moved due to critical conditions (e.g. internal bleeding) or unstable patients.

- Make sure the patient is in the middle of the bed.
- Make sure the backrest is in maximum position and the side wings are raised up.
- Place the x-ray cassette (format 43 × 35 cm (16.93 in x 13.78 in)) in its vertical position.
- Position the x-ray cassette holder with the x-ray cassette so that the cassette center indicator is exactly under the edge of the bed support platform.
- Adjust the parameters of the x-ray machine and make the image.

15.2. X-Ray Cassette Slot Technical Dimensions - S17



- 1-Cassette Length 530 mm
- 2-Max. Cassette Width 430 mm
- 3-Min. Cassette Width 388 mm

Note: It is suitable for all cassettes with a width of 388 - 430 mm.

Extras manual de utilizare pag. 50

15.3. Serum Hanger and Accessory Slot

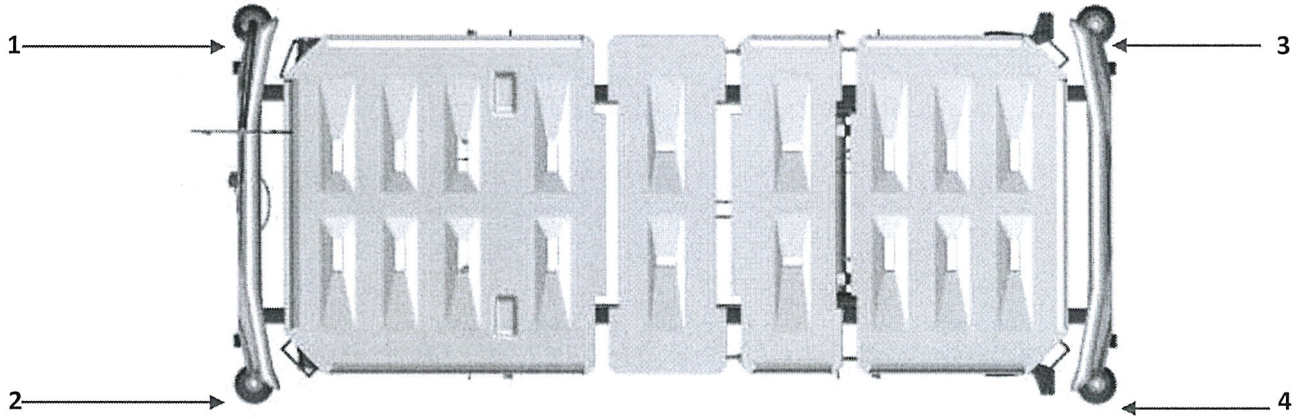
WARNING!

Risk of injury due to incompatible accessories!

- Only use original accessories from the manufacturer.

NOTE : The manufacturer is not responsible for the use of unapproved accessories.

Mcare is designed with 4 accessory or IV pole slots.



Accessories that can be used in these slots:

- 1-Serum Hanger
- 2-Handrail
- 3-TV Apparatus
- 4-Monitor Stand
- 5-Duvet Cover Set Holder
- 6-Oxygen Cylinder Holder
- 7-Orthopedic Traction System

15.4. Serum Hanger

MCARE comes with 1 IV pole as standard.

As seen in the picture, the height can be adjusted by opening the red lock.

