

## MANUAL TWO MOVEMENT - FIESTA



Nitrocare ( NITRO HB 1120 )

Position Adjustable Patient Bed





## USER MANUAL

Position Adjustable Patient Bed

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Gökler Mobilya Medikal ve Sağlık Hizmetleri Gıda

Maddeleri İnşaat Nakliye İmalat Montaj Pazarlama İthalat İhracat Sanayi Ticaret A.Ş.

NITRO HB models are designed essentially with maximum safety and mobility. They are designed considering the physical disability and comfort for the highly risked patients.

This user manual must be read clearly through to avoid customer related damages and to achieve the best performance of the product.

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## 1. Symbols

### 1.1 Warnings

#### 1.1.1 Warning Types

Recognize the kind of danger by using the symbols below in warning announcements.

- Warning, it shows property potential damage.
- Warning to personal injury risks.
- Warning to danger potential fatal injuries.

#### 1.1.2 Warning Structure

	<p>Danger type and source:</p> <ul style="list-style-type: none"><li>• Danger precautionary warnings</li></ul>
<p><b>WARNING</b></p>	

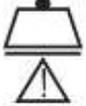
## 1.2 Other Symbols

### 1.2.1 Instructions

Instruction Forms

Follow the instructions listed below if it is required.

## 1.3 Symbols and Labels on the Products

	B Type safety due to electricity accidents
	CE Symbol
	Accompanying Documents
	Read user manual
	Safe carrying weight
	Maximum weight of the patient : 250 Kg
	Suitable to indoor use
	Patient bed is cleanable with moist cleaning rag
	Jammer danger
	Bed dimensional occurring danger, Read the user manual, Side rail operating danger and warning symbols
	Labels used on removable fixed connection pieces in case of passing 20kg
	Product label

## 1.3.1 Labels based on Control Devices and Performances

	<p>Back rest adjustment (down)</p>
	<p>Back rest adjustment (up)</p>
	<p>Leg rest adjustment (down)</p>
	<p>Leg rest adjustment (up)</p>

## 2. Security and Dangers

### 2.1 Security Instructions

- Please follow the instructions clearly and place a copy of the instructions near to the bed if it is required.
- Please be sure that a qualified staff operates the bed
- Spare parts can be changed only with the original one. It must be changed from qualified staff.
- Please do not load to many weight on beds
- Please do not use the bed when you notice that the functions do not work and inform the technical department.
- Pass information to the patient and other users regarding the functions.
- Do not exceed safe carrying capacity. In case of exceeding this capacity, lower the height of the bed to the lowest position in horizontal straight form and do not use the functions of the bed.
- A second person is not allowed to sit on the bed while a patient is laying on it.
- Patient bed shall not be used from more than one person at the same time.
- Please control the safety of the floor and the environment of the bed before adjusting the position if.
- Patient and the nurse are in danger at the situations listed below.
  - ❖ When the floor and the ambiance around the bed is not save while transporting the bed from one place to another.
  - ❖ By wrong cleaning ,( example; automatic cleaning or cleaning with pressure water)
  - ❖ When the safe weight capacity is exceeded.
- Only spare parts from the authorized service can be used. Manufacturer cannot be held responsible for any damage, loss or injury by using separate parts from other suppliers.
- Cleaning must be done with room temperature water and disinfect solution with a moist cleaning rag.

## 2.2 Terms of Use

### Terms of use of patient bed must be followed

- Temperature range must be between +10 ° C and 40 ° C
- Bound moisture is between 30 % and 75 %
- Beds are designed for use of medical purpose for rooms. Electrical installations must therefore suit with the local connection.
- Conditions listed below must be followed.
  - ❖ Do not stow something on the plastic bottom chassis
  - ❖ Back leaning section : 0 - 85°
  - ❖ Calf aspect : 0 - 20°
  - ❖ Leg aspect : 0 - 60°
- Do not connect the patient bed with another free mechanism.
- Only the technical service is allowed to treat in any breakdown situation

### 3. Standards and Regulations

**Patient bed suits to the standards and directives listed below.**

TS 4271

**Application of quality management system is listed below.**

ISO 9001 : 2015

ISO 14000 : 2015

TS EN 13485 : 2014

TS EN 17025 : 2015

## 4. Functions

### 4.1 Usage

Click for patient care and treatment of adults in patient bed hospitals. It is suitable for use as a patient bed.



The patient bed should be used by qualified and trained personnel in hospitals.

### 4.2 Usage Error

Patient beds are not applicable for children and babies.

- ✓ Do not use the bed without supervision of qualified staff

**NOTE :** Do not use the bed except the usage mentioned above. For required information contact NITROCARE.

## **5. Scope of Delivery of Patient Beds**

### **5.1 Scope of Delivery**

#### **Delivery:**

- Please control the products by receiving the delivery if they are delivered exactly to the packing slip.
- By noticing some defects or losses of the product during the unloading, please inform the technical service in written form.
- Please test all mechanical functions and be sure that all control buttons are working as required.

### **5.2 Bed Alternatives**

S= standard

i= optional

## 6. Installation

### 6.1 Delivery

#### Points to consider for safe transportation

- Be sure that the castors are locked while loading and unloading
- Carry all beds on proper floors

### 6.2 Carrying

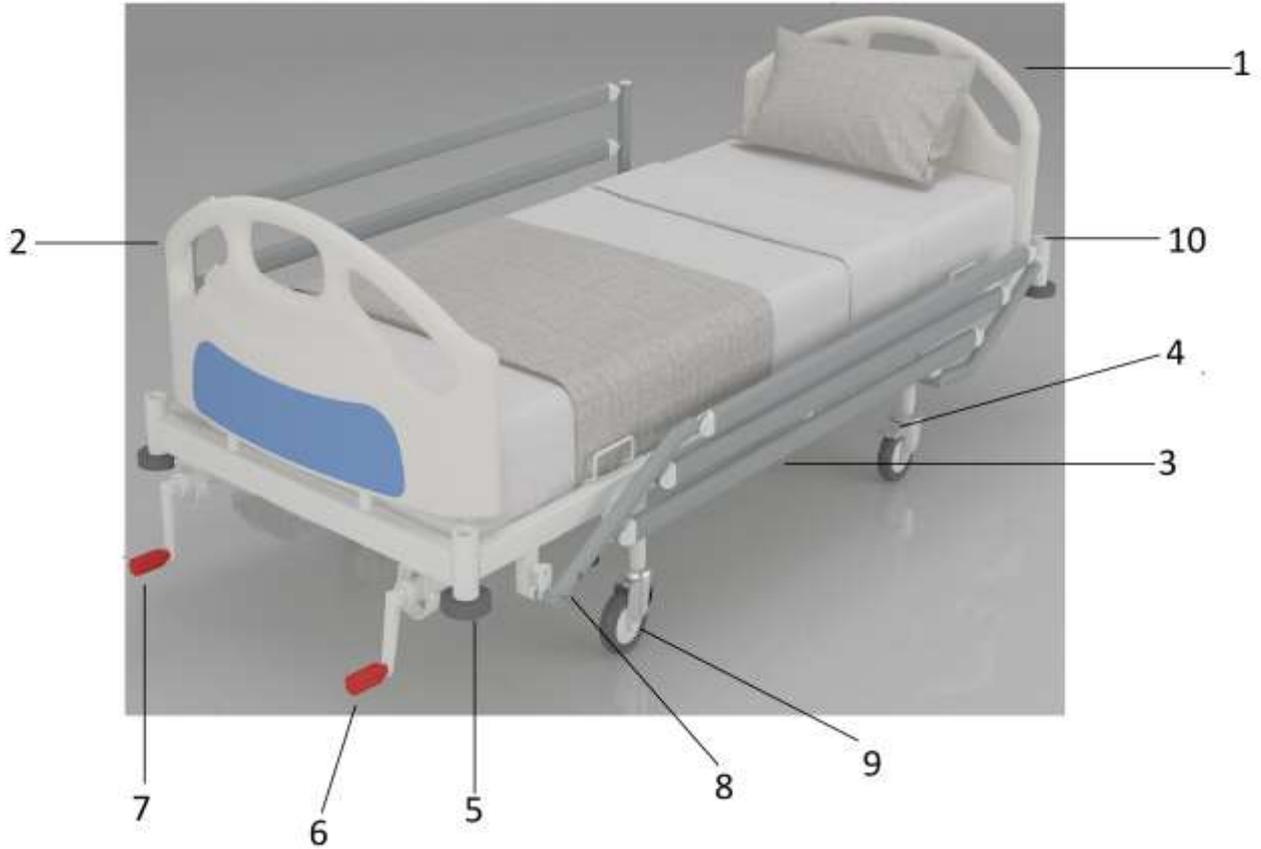
#### Do the adjustment listed below

- Follow the rules listed below during the installation of the beds
- Lock at the scope of the delivery and bed alternatives
- Assemble all accessories to their right slots
- Assemble the foot and head boards while delivery
- Be sure that the floors are suitable for mounting

## 7. Mounting

 <p>WARNING</p>	<p><b>Working at a bed with wounding risks</b></p> <p>Be sure that the patient bed is plugged out while mounting</p> <p>Be sure that the castors are locked before mounting</p>
 <p>WARNING</p>	<p><b>Wrong mounting of the patient bed can injure</b></p> <p>Mounting of the patient bed must be don from the technical service or from a trained hospital staff.</p>

**7.1. Adjustment**



**NITROCARE Patient Bed General Specifications**

1. Removable Head Board
2. Removable Foot Board
3. Electrostatic Powder Coated Side Rail
4. Linear Brake System
5. Plastic Protection Bumpers
6. Backrest Adjutment Arm
7. Leg Adjustment Arm
8. Side Rails Control ( Open – Close )
9. 125 mm Metal Castors
10. 4 Corner Accessories ( IV Pole, Traction Set etc ) Slot

## 8. Operating

### 8.1 First Operating

**Prepare the bed as listed below;**

- Control the castors and the brake system if they are working well.
- Control the functions of the side rails.
- Send the removed packing to the essential places for environmental health.

**P.S: If some problems occur by assembling, please contact the NITROCARE technical service and let them interfere to the problem.**

### 8.2 Take out of the patient bed from the hospital service

Patient bed must be taken out as listed below.

- ✓ Take out the accessories

**To store the patient bed without harming;**

- ✓ Patient bed and accessories together must be packed properly.
- ✓ Storing must be done proper and suitable to the working conditions of the patient bed.

## 9. Control Elements

### 9.1 Functions

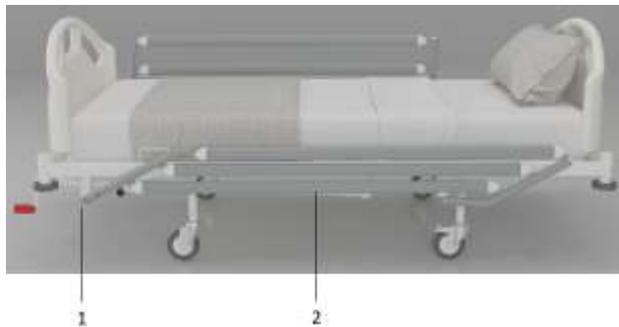
	<p><b>Wounding risks by adjusting the patient bed</b></p>
<p>WARNING</p>	<p>Be careful to not jam in the body of the patient between the bad platform and back rest.</p> <p>Stand apart from the adjusting parts of the patient bed by adjusting the positions.</p> <p>Do not move the patient bed by passed safe carrying capacity.</p>

#### Control elements connected at the model

- Mechanical adjustment arm (Adjusting patient positions)

## 10. System with Manual Control

### 10.1 Side Rails



1120 FOR MODEL; Lowering of the handrail on the lower edge of the handrail by pressing down on the process takes place. Lifting is done by pushing the side railing upwards.

There are 2 guardrails in the bed for the safety of the patients. The inpatient provides the patient to fall out of bed and protect from external factors. The safe load of the railing is 100 kg for each arm.

**10.2 Head and Foot Boards**



These accessories are designed to protect the patients from exterior facilities and to provide for their comfort. These boards are easily removable. To remove the boards, pull only the upper part up. To fix the boards, set the legs, at the board end to the adjusting sleeve and push it slowly down

**10.3 Linear Brake System**



Two stepped linear brake system.

The movement of the pedal downward locks the bed cas shown by the arrow.

**10.6 IV Pole Stand**



IV Pole stand can be placed at the all ends of the patient bed and it exist of 4 hooks. According to customer requirements it can be also with 2 hooks. Standard indicated weight carrying capacity of the hooks are 2 kilos. Please do not pass this capacity.

## 11. Patient Carrying

### 11.1 Points to Consider by Patient Carrying

Be careful that the patient bed is at a suitable position.

- Brake systems must be closed while laying the patient.
- Be sure that the patient is laying in the middle of the bed.
- The side rails must be in the up/ closed position.

## 12. Cleaning / Disinfection

	<p><b>Accidentally wounding risk</b></p>
<p>WARNING</p>	<p>Lock the adjustment functions before cleaning the adjustable parts of the patient bed.</p>

	<p><b>Wrong cleaning/disinfection which can damage the bed</b></p>
<p>WARNING</p>	<p>Do not use pressure cleaner. Do never use for cleaning acid, solver, detergent, phosphate or phosphate consisting or corrosive products (8 - optimum pH between 6).</p>

P.S : Headboard plastics, handle plastics and other plastics used at the patient bed are made of antibacterial plastics (ABS). Metal surfaces are covered with electrostatic powder coating. All NITRO HB models are therefore easy cleanable. Patient beds can be cleaned with moist cleaning rags or sponges. Important matter by cleaning is to clean the total surface and the control panels of the patient bed after the release of the patient.

### For safety and healthy cleaning

- Use a suitable detergent for cleaning.
- Do not use abrasive powders, steel wool or other harming materials and cleaning materials.
- Do not use solver and detergents which can affect the plastic structure and stability (benzene, toluene, acetone aso.)
- Clean the bed with a proper squeezed moist cleaning rag.

## 12.1 Periodical Cleaning

### 12.1.1 Daily Cleaning

Clean the bed parts listed below

- ✓ All side rails/ handles
- ✓ Bed surface and head / foot boards
- ✓ Accessories and rails

### 12.1.2 Cleaning before patient changing

Clean the bed parts listed below

- All side rails/ handles
- Easy accessible bed surface
- Mattress platform surface
- Easy accessible metal surface
- Side Rails
- Bumpers
- Brakes
- Castors
- All accessories

## 13. Problem Solving



### Power failure

When you are confronted please let only the authorized person solving this problem.

## 14. Maintenance and Repair

### 14.1 Maintenance Periods



### Accidentaly wounding risk

Lock the brakes while mounting and maintenance.



WARNING

**Defective beds can have wounding risks**

Defective beds must be immediately repaired.  
It is strictly forbidden to use defective beds.



WARNING

**Patient bad can injure because of wrong maintenance.**

Please get help from NITROCARE when the authorized person is not sure about the handlings.  
Maintenance shall only be made from authorized and trained person.

**P.S:** A registration must be held for maintenance of each patient bed and it must be done periodically.

**14.1.1 Monthly Maintenance**

Control all movable parts for corrosion.

**14.1.2 Maintenance in every 4 months**

Control the handle of the brake function.

Do the function controls from the lifts.

Control the screws and hinges of the patient bed.

Control the movable mechanism of the patient bed.

Control the screws on the castors and if required tighten the screws.

Control the movement and the reliability of the side rails.

**14.1.3 Maintenance in every 12 months**

General controls of the mechanical movement systems and plastic accessories of the patient bed must be done. All wearing parts and loosening parts must be changed after this procedure.

**14.2 Spare Part**

- ✓ Spare parts demand regarding wrong use is not covered by the guarantee.
- ✓ Maintenance shall only be made from authorized and trained person. Inform the technical service from NITROCARE by any problems.

**Spare part and information demands**

- ✓ NITROCARE technical service
- ✓ [teknikservis@nitrocare.com.tr](mailto:teknikservis@nitrocare.com.tr)

## 14.2.1 Corrosion

- ✓ Control the screws on the castors and if required tighten the screws.
- ✓ Control all lock mechanisms.
- ✓ Change all worn accessories.
- ✓ Do not use wrong parts after changing wearing accessories.

## 14.2.2 Functionality

- ✓ Control the position adjustment of the patient beds that they are functioning with maximum efficiency.
- ✓ Change all worn parts.

## 14.2.3 Castors

- ✓ Clean the castors completely.
- ✓ Control the connection screws and change it if necessary.
- ✓ Move the castors and control that they are functioning properly.
- ✓ Forwards and backwards movement.
- ✓ Limitless movement.
- ✓ Control the brake system and change it if necessary.

## 14.3 Accessories

- ✓ Control the accessories and be sure that they are functioning properly and change it if necessary.

## 15. Safety Controls



WARNING

### **Wrong safety controls can have wounding risks.**

Safety providing will be done from our technical servis of our factory.  
Safety controls will be noted in the product delivery, technical service and after sales service form.



WARNING

### **Defective bed can have wounding risks.**

Defective beds must be immediately repaired.  
Do not continue using beds with big damage.

**P.S :** Patient beds are manufactured suitable to TS EN 16601-2-52 / TS EN ISO 14971 standards. All required tests and examination controls are done under supervision of TSE auditors. This will be reported to maintain the quality of the products.

## 16. Disposal

### 16.1 Environment Protection

**NITROCARE cares about the environmental protection for the posterity and makes great strides in this opinion.**

Materials of this product have environmental compatibility. It does not contain dangerous substances.

Customer will be informed with the used symbols and signs.

Recycling steel, electrical components and wooden parts are used in the manufacturing.

Products are packed with recyclable boxes.



## 17. Warranty

NITROCARE can only be held responsible for its regularly service and product reliability.

### **When a critical irreparable problem rises while maintenance**

Stop using the patient bed.

This product has a warranty period of 24 months from the date of purchasing. Defects arising from manufacturing and installation will be repaired free of charge. Defects arising from wrong use are not covered by the guarantee. Product using terms and conditions are indicated from standards.

## 18. EC Declaration of Conformity

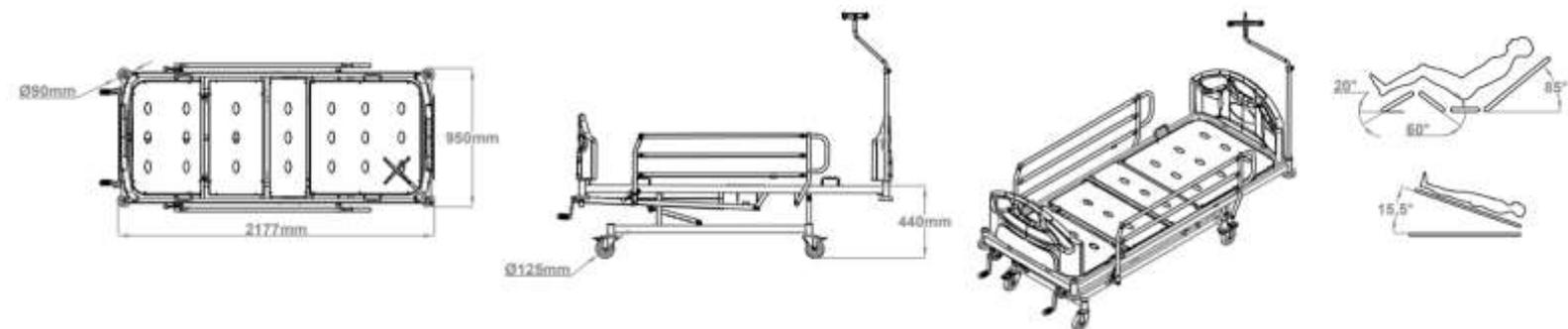
## 19. Technical Details

### 19.1 Accuracy of Displayed Values

- ✓ Weight (integrated scales)  
0.5 kg
- ✓ Angle of inclination  
 $\pm 3^\circ$

### 19.2 Mechanical Specifications

NITRO HB 1120 Patient Bed Technical Specifications			
		Dimensions	Unit
<b>A</b>	Bed Length ( Overall )	2177	mm
<b>C</b>	Bed Heigh ( From floor to Bed Surfaces )	440	mm
<b>D</b>	Bed Width ( Overall )	950	mm
<b>E</b>	IV Pole Stand Height	min.	1240 mm
		max.	1600 mm
<b><math>\alpha</math></b>	Back Rest Angle	0-85	°
<b><math>\beta</math></b>	Leg Rest Angle	0-60	°
<b><math>\theta</math></b>	Feet Rest Angle	0-20	°
	Safe Carrying Capacity	250	kg
	Castor Diameter	$\varnothing 125$	mm
	Mattress	860x1950x120	mm



## 20. Storage

To store beds long time, the instructions listed below must be followed

- Reset all settings of the bed
- Please be sure that the castors are set on a smooth floor.
- Please do not stow another bed on it or another heavy product

## 21. Product Delivery

Order number	:	
Client	:	
Model number	:	
Serial number	:	
Delivery Date	:	
Delivered From	:	

Confirm form the hospital personal that the delivered patient bed is working properly.

Date :

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Seal and Signature form the Client:

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Seal and Signature from the carrier :

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## 22. Service and Maintenance Diary

Service Explanation	Date	Operated From

**Contact:**

Address: Organize Sanayi Bölgesi 1. Kısım 1.cad NO : 7 SİVAS / Turkey

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