Plinth | Medical





200 Range Couch

Models: 202 & 203

USER MANUAL

Contents

1.	**Introduction**	**3**
	General Warnings	3
2.	**Installation**	**4**
	Toe Braked Castors	4
	Power Supply	4
	Lifting and Moving	5
3.	**General Operation**	**6**
	Electric Operation	6
	Hydraulic Operation	7
	Manual Head & Foot Sections	7
	Castor Operation	8
4.	**Accessories Operation**	**9**
	Paper Roll Holder	9
	Fold Down Cot Sides	9
	Footswitch	10
5.	**Cleaning and Decontamination**	**11**
6.	**Troubleshooting**	**12**
7.	**Maintenance**	**13**
8.	**Guarantee and Service**	**14**
9.	**Technical Specification**	**15**
10.	**Revisions to Manual**	**16**

Plinth Medical Ltd incorporating ProSkill Engineering are an ISO Audited company to ISO9001:2015

Our products are in conformity to all the relevant requirements of the **Medical Devices Directive 93/42/EEC Annex V Class 1**

1. Introduction

Thank you for purchasing a product from Plinth Medical Ltd. We use the highest quality components and manufacturing techniques to ensure that our products are simple to use and will last a long time. It is recommended that all users read and retain this User Manual for reference.

Throughout this manual notice is made of a Warning and Caution system to highlight to the user practices, procedures or conditions that should either not be allowed to happen or happen with caution.

Warnings are in a box with bold type and identify potential hazards, procedures or conditions which could result in death, injury or serious damage.

Cautions are in a box with plain type and identify conditions or procedures where if caution is not taken it may result in damage or failure of equipment.

General Warnings

WARNING

Maximum Load (SWL) is 200kg distributed evenly.

Do not use flammable gasses in proximity to an electrically operated couch.

Do not concentrate weight on either side or either end of the couch.

Use only accessories approved for use with this couch.

Disconnect power supply before moving couch.

Children must be adequately supervised in the presence of the couch.

Do not allow children to play with the couch at anytime.

2. Installation

Although this couch comes complete and is virtually ready to use it is important to remove all packaging and read the following before use.

Toe Braked Castors

This model is fitted with four individually locked toe braked castors. All four castors must be locked before the couch is used.

Please refer to the Operation section on page 8 for further details.

WARNING

Castors must be locked before the couch is used and whilst patients get on or off the couch.

Power Supply

Ensure that hand or foot switch leads are clear of the moving parts of the couch before operation. Connect the couch to a normal domestic type power supply observing the following notes.

WARNING

Ensure that the mains lead, plug and socket are in good condition before connecting the equipment.

Ensure that the mains cable has a clear run and is not stretched when connected and that no one can fall over the cable.

CAUTION

When couch is not in use switch off power supply.

Lifting and Moving

Should the couch need to be moved or lifted (for example to remove it from its packaging) then a minimum of two people are required. The couch must only be lifted by the metal base frame near the wheels. If the couch is upside down then it may be carried by holding it underneath the upholstery. When turning the couch over, please make sure the frame and upholstery are supported at all times, otherwise damage may occur to the upholstery and friction lock mechanisms.

CAUTION

Under no circumstances lift the couch by the upholstery or top sections as damage will occur to the friction lock mechanisms.

3. Operation

Plinth Medical offers 2 models in the 200 Range; 202 and 203. The number denotes the number of sections on the couch with the 202 being a 2-section couch and the 203 being a 3-section couch.

Electrical Operation General

WARNING

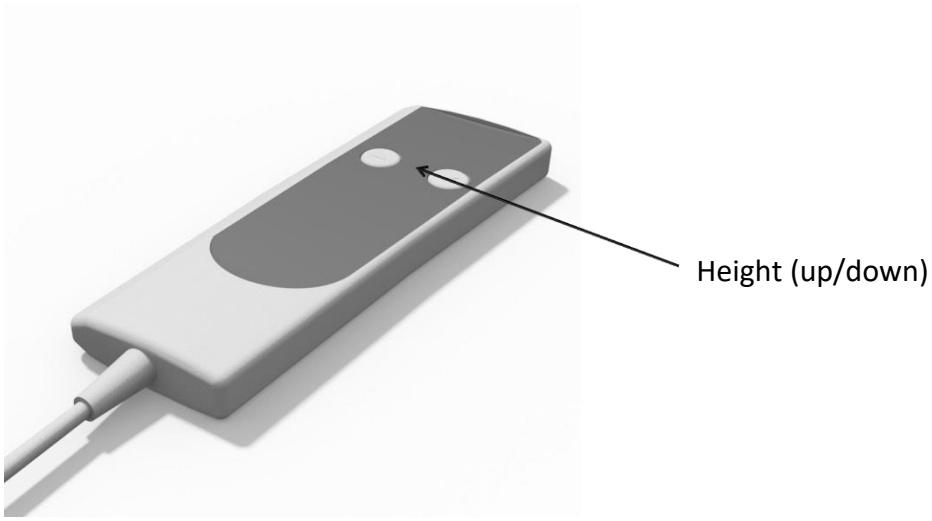
Safely position patient before operating any functions.

Position the switch in a place where it is clear of the moving parts of the couch and where accidental operation is not possible.

Ensure that all electrical cables are clear of the moving parts of the couch.

Electrical Operation (hand)

A standard fitment to the 200 Range is a single hand control able to operate all electrical functions.

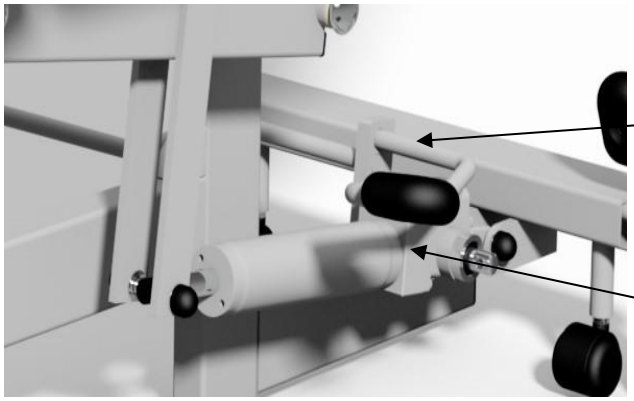


Electrical Operation (foot)

As an option this couch may be supplied with a foot switch to operate the electrical functions. It will operate in the same way as the hand switch but must be placed on the floor and operated by foot. For further information see page 8.

Hydraulic Operation

For hydraulic operation the couch is fitted with a hydraulic pump to raise and lower the couch.

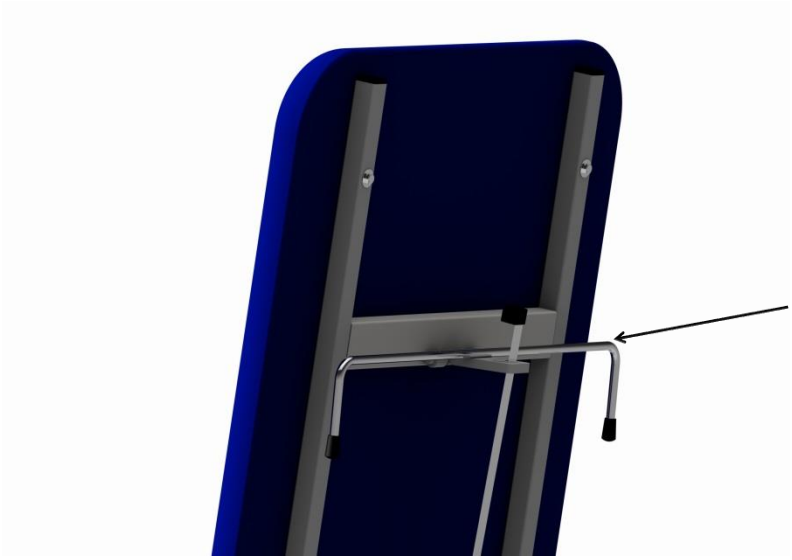


Place foot on top of pedal and pushdown repeatedly to raise couch

Place foot under pump pedal and lift to lower couch

Manual Head and Foot Sections

The back-rest (and for the 203, foot-rest) is operated by a mechanical fail safe 'friction lock' mechanism:



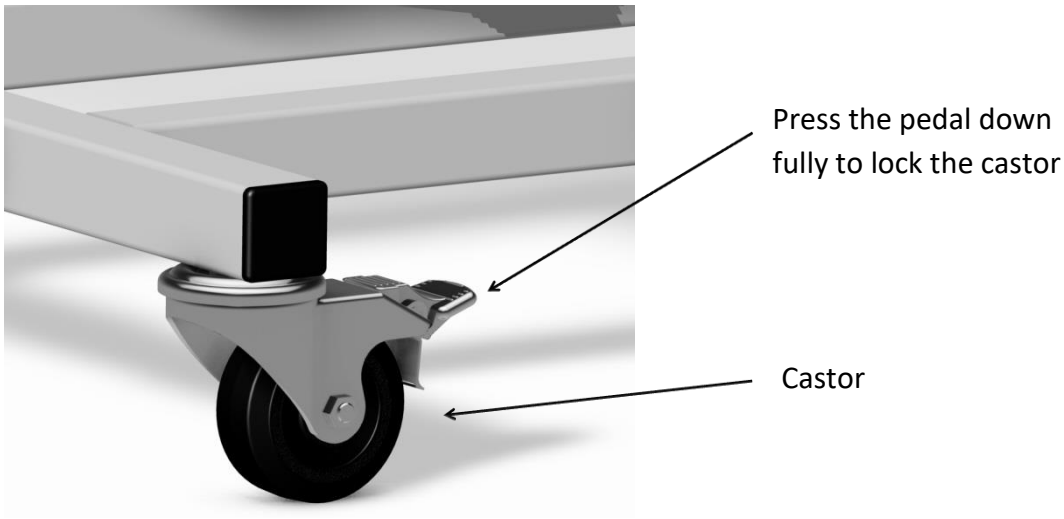
To **elevate** the section simply lift by the upholstery.

To **lower** the section; squeeze the lever towards the upholstery whilst supporting the section. Adjust to the desired position and release the lever to lock in place.

Toe Braked Castor Operation

The castors fitted to this chair are 50mm toe braked castors. They are operated individually at each corner of the couch via the locking pedals.

NOTE – the castors are not designed for patient transport.



WARNING

Castors must be locked before the couch is used and while the patients get on or off. Disconnect and coil electrical leads and switch away from the couch mechanism prior to moving the couch

4. Accessories Operation

A range of accessories are available as options to expand the use of the couch. The standard recommended accessories are detailed below. Many of these can be fitted retrospectively if required.

Paper Roll Holder



Paper roll is replaced by removal of one or the other of the plastic knobs, sliding the bar partially through the leg of the holder and then fitting the tube over the bar. Refit in the reverse order.

Fold Down Cot Sides

Fold down cot sides are operated as follows:



To raise the cot side from the down position; lift and rotate the cot side towards you through a full 180°. When upright push the cot side down into the plastic block until it is fully located.

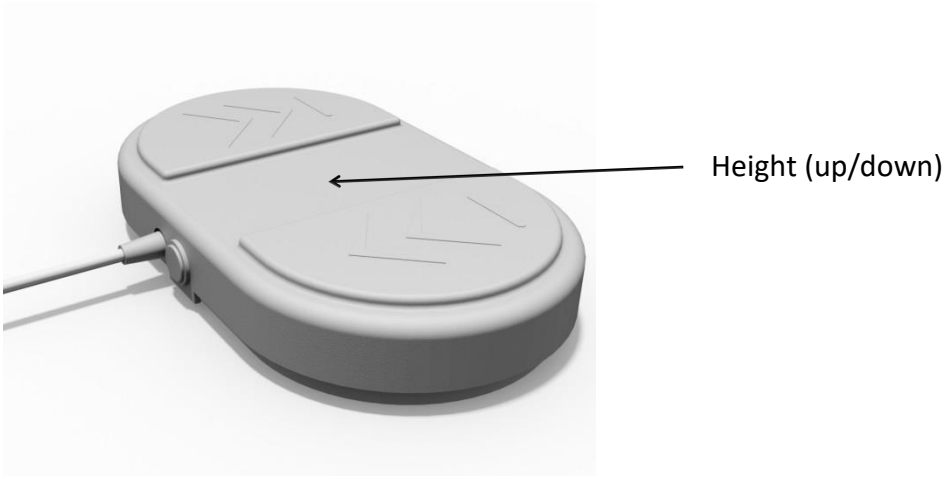
To lower the cot side from the upright position; lift up in the plastic block and then rotate a full 180° into the down position.

WARNING

Ensure that the cot side is fully engaged in the plastic block whilst in use.

Foot switch

An optional foot switch may be specified for the couch and will look similar to the one pictured below.



5. Cleaning and Decontamination

WARNING

If contamination is suspected then decontaminate the couch before use.

Torn or damaged upholstery should be replaced immediately.

CAUTION

Do not use Alkalis or other organic solvents for routine cleaning.

Always cover the vinyl with paper towelling or couch covers if it can come into contact with bare skin.

Cleaning

Always wear suitable protective clothing before carrying out this procedure. Disconnect the mains supply to the couch and move it to a suitable cleaning area and lock the castors.

Step 1. Using warm water and soap on a damp cloth, carefully wipe the couch over from top to bottom. Take great care around electrical components.

Step 2. Wipe the couch carefully from top to bottom using a clean damp cloth and soap free water.

Step 3. Carefully dry the couch from top to bottom with clean lint free paper towels.

Decontamination

To decontaminate the couch repeat the above steps but using a dilute solution of Hypochlorite and warm water (10,000ppm) instead of warm water and soap. At the end of the procedure discard all cleaning materials in a safe manner and wash hands thoroughly.

6. Troubleshooting

In the unlikely event of the couch failing to operate and having carried out the normal practical fault finding steps below then please contact our Customer Service Team on +44 (0)1449 767887 or email customerservice@plinthMedical.com. **Please have the serial number to hand before making contact so we can help you more efficiently.**

Fault	Possible Cause	Remedy
Couch is unstable	Uneven floor Castor damaged or broken	Move couch to flat floor Replace
Motor will not work	Power disconnected Fuse Blown Hand/ Footswitch disconnected	Connect power supply Replace fuse in plug Check the switch is fully connected to the motor
Motor sinks	Switch permanently operated Motor fault	Unplug and re-connect switch Replace motor
Back or foot-rest will not work (manual versions)	Compression spring damaged	Replace compression spring
Back or foot-rest sink under load (manual versions)	Friction bar dirty or greasy	Clean friction bar with degreasant

7. Maintenance

Plinth Medical Ltd products are designed to be maintenance free. However keeping your Plinth products clean and regularly checked will assist in prolonging their working life. The following is a guide of simple checks that the user can carry out on a six monthly basis. We would also recommend an annual service visit by a Plinth Medical trained engineer.

WARNING

Disconnect couch from electrical supply before commencing any of the following checks.

Examine the couch for any signs of damage. Pay particular attention to all nuts, bolts and fasteners to check they are present and tight but not over tight.

Upholstery bolts should all be checked (each section has between 2 and 6 No. M6 bolts), they should all be present and tight.

Check friction lock mechanisms ensure that they operate through the full range of movement and lock fully.

Check hinge pins are lubricated.

Check main couch pivot pins are lubricated sufficiently.

Examine mains and switch cables for any damage, cuts, kinks, abrasions etc. These must be replaced if necessary.

Check mains lead, switch cables and slave motor leads are all correctly and securely attached.

Check correct plug fuse is fitted (5A).

WARNING

Any electrical checks or work other than the visual inspection above must be performed by a qualified electrician.

Do not connect BLUE or BROWN wires to the earth terminal of a plug.

8. Guarantee and Service (UK only)

Plinth Medical Ltd offer a 2 year parts guarantee on all 200 Range products delivered from January 2013. The only exclusion to this guarantee is for negligent damage or damage to upholstery coverings. This guarantee does not require registration of the product as we can trace it from its serial number, however in the event of the serial number being removed, missing or unreadable then this may void the guarantee. These terms do not affect your statutory rights.

In addition to the above Plinth Medical Ltd can offer both extended warranties and service contracts. For further information about either of these please contact:

Customer Service
Plinth Medical
Barric Lane
Occold
Eye
Suffolk
IP23 7PX
Tel: 01449 767887
Mail: customerservice@plinthMedical.com

In the event of returning a product or part to us then please follow the instructions for cleaning under section 5 before enclosing it in suitable packaging and returning it to the above address. In addition please ensure there is a statement confirming that it has been decontaminated and what the fault is along with relevant contact details.

Worldwide

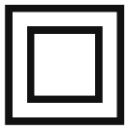
Please contact the distributor you purchased the chair from for service and support in your country. If you are unable to do so then please contact us in the UK and we will refer you to our local representative.

9. Technical Specifications

	202	203
Head Length (cm)	63	63
Seat Length (cm)	124	56
Foot Length (cm)	N/A	63
Width (cm)	63	63
Overall Length (cm)	189	187
Height Range (cm)	51-94	51-94
Max Working Load	200kg	200kg
Control	Hand switch	Hand switch
Electrical Data 220/240v		
Motor(s)	UMEC	UMEC
Control Box	UMEC BC20	UMEC BC20
Current	1.5A	1.5A
Power	200W	200W
Mains Plug Fuse	5.0A x 1	5.0A x 1
Internal Fuse	Thermal	Thermal
System Voltage	32v	32v
IP Rating	IP54	IP54
Electrical Data 110/120v		
Motor(s)	UMEC	UMEC
Control Box	UMEC BC20	UMEC BC20
Current	2.0A	2.0A
Power	200W	200W
Mains Plug Fuse	5.0A x 1	5.0A x 1
Internal Fuse	Thermal	Thermal
System Voltage	32v	32v
IP Rating	IP54	IP54

IEC 601-1 Electrical Safety Classification

All models are double insulated Type B equipment and marked as such.



Double Insulated



Type B Equipment

10.Revisions to Manual

Pages	Issue No	Name	Date
All	Manual - 01	Niall Dyer	13.06.2017
7 – 16	Manual – 02	Ben Clarkson	13.03.2019
2 & 16	Manual – 03	Ben Clarkson	15.06.2021

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