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WESSELING BV

Quality since 1958

Plaster E/H

USER'S MANUAL AND MAINTENANCE GUIDE



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1. GENERAL INFORMATION

MANUFACTURER

Wesseling BV, Venenweg 31, 1161 AK Zwanenburg, Netherlands-Tel.+31 204975183-Fax+31 204975909 – website:www.wesseling-bv.com

EQUIPMENT INTENDED USE AND DESCRIPTION




The Plaster E/H table is intended for examining and treating patients. With the additional options this table can be used for almost every plaster technique. The entire frame is epoxy powder coated and the top is upholstered and covered in fireproof synthetic leather. It's equipped with an electric actuator for height adjustment. The back section as well as the leg sections be inclined with the help of gas springs. The gas springs are all adjusted by handles that are easy to access on both sides of the table. The brakes and lock are centrally controlled by means of a foot pedal that is easy to activate.

STORAGE




When storing, the following conditions must be met:
 1. relative humidity 10% / 90 % - temperature -10°C / +50°C

SYMBOLS

The various symbols appearing in this manual and on the equipment itself are meant to draw the user's attention on important safety warnings and useful information. Please observe all warning, caution and hazard notices.

	WARNING Warning messages are used to advise users/patients about any risk of injury or danger if the specified procedures and conditions are not carefully observed during operation or maintenance activities.
	ELECTRIC SHOCK HAZARD This warning symbol identifies operating/maintenance instructions or procedures which, if not observed, could result in a risk of electric shock
	CAUTION Caution symbols are used to advise users about an operation or maintenance procedure, best practice or condition that may damage the equipment if not duly complied with.

2. SPECIAL WARNINGS AND USE RESTRICTIONS

	<p>Equipment must not be used:</p> <ul style="list-style-type: none"> • Without knowing the user’s manual. • When the safety load exceeds the stated capacity. • Without the patient being monitored. • When the patient and/or equipment is not stable enough. • When table is not on its feet when stopped, during treatment, or when patient is moved to/from other equipment. • When the original product has been tampered with and/or modified from its original configuration. • When the controls and/or components are even only partially faulty or defective. • When incorrectly configured or when you think it may cause damage to a patient or user. • Do not allow any body parts to enter the areas with moving components and/or controls.
	<ul style="list-style-type: none"> • Do not connect to an electric system that does not comply with the current safety regulations. • Never spill liquid of any kind on the electric equipment. • Always unplug the mains power supply before working on any electrical parts or to move the equipment. • Do not damage the electric cables: avoid crushing; do not pull out the cable to disconnect, etc. • Electric cables should be checked regularly to see if they are damaged. In case of doubt, have them replaced.
	<ul style="list-style-type: none"> • Foam rubber and plastic components may burn if they come in contact with naked flames. • Corrosive and/or abrasive detergents may damage the covers and paintwork. • The equipment is not suitable for use outdoors and/or in surfaces that are not smooth enough. • UV and heat therapy lamps may damage the upholstery covering.
<p>!!!!!!!!!!!! NEVER LEAVE THE TABLE UNATTENDED WHEN THERE IS A PATIENT ON IT !!!!!!!!!!!!!</p>	

3. USE











STARTING UP

For packaging reasons the couch is supplied covered by protective means that are to be removed, avoiding direct contact with cutters that could damage it. Any damage in transit must be reported to the transporter and seller immediately, without using the equipment for safety reasons.

SETTING UP AND ADJUSTMENTS

The table has an electric actuator for the complete table, for the upper body section, and for the back section. The leg sections are all individually fitted with gas springs.



ADJUSTMENT/FUNCTION	CONTROL	PROCEDURE
		<p>Table is standard equipped with a 24v foot switch or hand switch.</p>
		<p>Push the relevant symbol to adjust the height of the entire table.</p>

		<p>The hydraulic version is equipped with a high quality pump. The pedals for height adjustment are located on both sides of the table.</p> <ul style="list-style-type: none"> To lift the table: push the pedal downwards with your foot and repeat this pumping action until you reach the desired height. To lower the table: push the pedal all the way up with your foot until the table starts descending. When it reaches the desired height remove your foot.
		<p>To adjust the back sections pull the control handle, and support the section as it moves. Release the handle to secure the position. The control handles are on both sides of the table.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">  WARNING  </div> <ul style="list-style-type: none"> With the patient's weight on the section, activate the control handle only when you are sure that the entire load is supported. Movement of the adjustable sections may cause pinching in the vicinity of the hinges
		<p>To adjust the leg sections pull the control handle, and support the section as it moves. Release the handle to secure the position.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">  WARNING  </div> <ul style="list-style-type: none"> With the patient's weight on the section, activate the control handle only when you are sure that the entire load is supported. Movement of the adjustable sections may cause pinching in the vicinity of the hinges

TRANSPORTATION AND BRAKES

The table has four swivel wheels to allow movements in tight spaces. At the back-side of the table is the stirrup bar of the wheel-lift system. By pushing this stirrup bar downwards the table becomes mobile. Lift the stirrup bar upwards again after reaching the required position so the castors will be retracted. The system uses a gas spring as shock-absorber. Never use the table if the castors are not fully retracted! The 4 feet have an anti-slip surface and can be adjusted individually when the floor is not even.


<p>MOVING THE TABLE</p>	<p>PUT THE TABLE ON ITS FEET</p>	<p>PROCEDURE</p>
		<ul style="list-style-type: none"> To move the table use the foot to push down the bar till it stops. To put the table on its feet use the foot to push up the bar until all the feet are on the floor.












WARNING



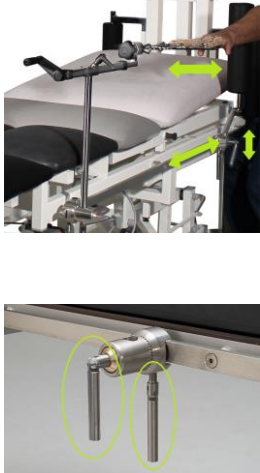






- Putting the table on its feet is essential when transferring and treating the patient.

FITTING AND USING THE ACCESSORIES-OPTIONAL EXTRAS:

The table's use can be extended by means of the accessories - optional extras

ACCESSORY – OPTIONAL EXTRA	CONTROL	PROCEDURE
<p>Extra foot- or handswitch + T-plug</p> 		<p>The extra foot- or hand switch is connected with help of the T-plug. In theory we can mount as many switches as desired.</p>
<p>Bar-switch system</p> 		<p>The bar-switch system is mounted on both sides of the table. By moving the steel bar left or right you can adjust the height of the table.</p>
<p>Monkey Pole</p> 		<p>The monkey pole is fitted on the backside of the upper frame. The pole will move up and down along with the table when it is positioned towards the desired height. The triangle shaped handgrip is adjustable in height and can also be removed.</p>
<p>Knee support</p> 		<p>The adapters for the knee support are fitted on both sides of the table. The knee support is adjustable in height, length and width. The whole set contains:</p> <ul style="list-style-type: none"> - Adapters on both sides of the frame - Chromed adapter for depth adjustment - Chromed adapter for height adjustment - Knee support in colour of the table. Mounted on chromed base for width adjustment <p>To adjust the one of the adapters:</p> <ul style="list-style-type: none"> • Loosen the relevant lever and adjust the knee support to the desired height, length or width. Fasten the lever again to keep the support in place.

<p>Stainless Steel rail</p> 		<p>The stainless steel rails are fitted on both sides of the table. The rails will have the same length as the complete upper frame. With the dimensions of 25x10mm, it is designed for all European size clamps.</p>
<p>Traction unit</p>   	  	<p>The traction unit can be used for finger, wrist and under-arm traction. The following options are needed in order to use the traction-unit correctly:</p> <ul style="list-style-type: none"> • Traction unit • Radial clamp (2x) • Frame for Chinese fingers • Chinese fingers • Upper arm support <p>The traction unit can be adjusted in height, width, length and angle using the clamp and the system itself.</p> <ul style="list-style-type: none"> • To adjust the width: Loosen the clamp with the lever in the middle and twist the unit to the desired position. Now tighten the clamp to keep the traction system in place. • To adjust the height: Loosen the clamp with the lever in the middle and put the system at the desired height. Now tighten the clamp to keep it in place. • To adjust the angle with the clamp: loosen the lever in the middle and adjust the angle. When the traction system is placed in the right position, tighten the clamp again with the same lever. • To adjust the angle with the system itself: at the front of the system is a black hand screw. Loosen this screw and adjust the angle of the Chinese fingers. Tighten the screw when it is in place. • To adjust the “length” with the clamp: to put the traction unit in the right position for the patient one can slide it over the rails using the clamp. Loosen the lower lever to loosen the clamp from the rail. Now slide it over the rail to the desired position and tighten it again. • To adjust the “length” with the system itself: in the middle of the unit is a black lever. Loosen this lever to adjust the length of the traction unit in small steps. When the unit is in the right position tighten the lever again. <p>To use the traction system turn the lever on the back of the traction system. This lever is very easy to turn and the system is very slow and sensitive.</p>
<p>Radial clamp</p> 		<p>The radial clamp is necessary in order to use a number of accessories. These rail clamps fit on the rail that is mounted standard on the table.</p> <ul style="list-style-type: none"> • To mount the clamp to the rail: hook it in a downward movement. Now tighten the clamp with the lower lever. • To fix any accessory: Put the accessory in the clamp (max diameter 20mm) and tighten the clamp with the lever in the middle. • To adjust the angle of an accessory: Loosen the lever in the middle and adjust the angle. When the accessory is placed in the right position, tighten the clamp again with the same lever.

<p>Upper arm support</p> 		<p>The upper arm support is used to keep the arm of the patient in place, for instance during traction. This support can only be used in combination with the radial clamp.</p> <ul style="list-style-type: none"> To mount the clamp to the rail: hook it in a downward movement. Now tighten the clamp with the lower lever. To fix the arm support: Put the support in the clamp and tighten the clamp with the lever in the middle. <p>The upper arm support can be adjusted in height, width, length and angle.</p> <ul style="list-style-type: none"> To adjust the width: the support can be adjusted in width because of the bended steel frame. Loosen the clamp with the lever in the middle and twist the support to the desired position. Now tighten the clamp to keep the support in place. To adjust the height: Loosen the clamp with the lever in the middle and put the support at the desired height. Now tighten the clamp to keep the support in place. To adjust the “length”: to put the support in the right position for the patient one can slide it over the rails using the clamp. Loosen the lower lever to loosen the clamp from the rail. Now slide it over the rail to the desired position and tighten it again. To adjust the angle: Loosen the lever in the middle and adjust the angle. When the support is placed in the right position, tighten the clamp again with the same lever.
<p>Long knee support</p> 		<p>The radial clamp is necessary in order to use this accessories. These rail clamps fit on the rail that is mounted standard on the table.</p> <ul style="list-style-type: none"> To mount the clamp to the rail: hook it in a downward movement. Now tighten the clamp with the lower lever. To fix the knee support: Put the support in the clamp and tighten the clamp with the lever in the middle. To adjust the angle of the knee support: Loosen the lever in the middle and adjust the angle. When the support is placed in the right position, tighten the clamp again with the same lever.
<p>Adjustable neck cushion</p> 		<p>The cushion can be placed anywhere on the backrest with a Velcro strap</p>
<p>Small castors (standard)</p> 	<p>Big castors</p> 	<p>The table is standard mounted with four wheels with a diameter of 75mm. As an option one can choose for bigger castors with a diameter of 125mm. Please notice that this will have a small effect on the lowest and the highest position. The braking system will not change in any way.</p>

4. CLEANING and CONSERVATION

For durable joy with the Skai® material, please clean regularly. For cleaning use a cloth or soft brush dampened using water and a neutral detergent. Any stains on the upholstery should be promptly removed with colourless ethyl alcohol diluted in 20% water. Rinse well.



WARNING



- ENSURE THE COUCH IS PERFECTLY CLEAN BY DISINFECTING THE SYNTHETIC LEATHER AND APPLYING A SINGLE-USE PAPER SHEET AT EVERY USE.
- HARSH DETERGENT PRODUCTS MAY DAMAGE THE SURFACES.
- DO NOT USE STEAM JETS, WASHING TUNNELS, WATER JET CLEANERS OR HIGH PRESSURE WASHERS

5. MAINTENANCE

Maintenance operations must be carried out by technicians who are familiar with the contents of this instruction booklet. Check the equipment is safe after any instances of "rough handling" (e.g. fall, bumps, etc.) and any time you are in doubt about safety.

ROUTINE MAINTENANCE

Routine maintenance operations must be carried out with the frequency indicated in the table.

FREQUENCY	ACTIVITY
Every 6 months or at least once a year	General equipment cleaning.
	Visual and functional inspection of the equipment and related hydraulic and manual controls.
	Frame and mechanical parts: Check screws and bolts are tight; state of wear of bushings and pins, presence of tears and deformations or damages.
	Oil leaks from the piston and/or gas springs must only be in the form of minor lubrication residue.
	Check that the adjustable sections are stable and do not give way when the control lever is released.
	Brake control: check regular functioning of the activating device and the efficiency of the brakes.
	Wheels: these must be securely fixed and in good condition, rolling smoothly and with their treads free of impediments.
	During use and operation, make sure there are no unusual sounds, vibrations or oscillations that may indicate actuator and/or mechanism malfunctions.
At the end of the activities above, complete the inspection performing a lift cycle with the stated maximum safe load.	

NON-ROUTINE MAINTENANCE

For safety reasons and to avoid invalidating the guarantee, no component may be opened or handled for repair. Any faults on the hydraulic piston, the gas springs and the wheel system must be diagnosed by Wesseling BV, who will organize the most suitable action.



WARNING



- IF SAFETY SEEMS TO BE AT RISK, DISABLE THE EQUIPMENT IMMEDIATELY PREVENTING ANY POSSIBILITY OF USE UNTIL SUCH RISK HAS BEEN REMOVED.
- PLEASE RECORD ANY DEFECTS/DAMAGES/SERVICES THAT ARE IMPORTANT FOR THE SAFETY OF THE EQUIPMENT IN THE APPROPRIATE FORM HEREWITH ENCLOSED.

SPARE PARTS

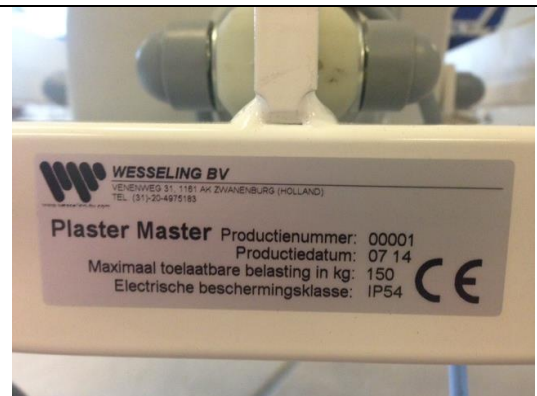
Only use original spare parts from Wesseling. Please contact Wesseling BV for the parts you might need.

6. TROUBLESHOOTING

DIRECT E-MAIL FOR TECHNICAL OR USERS ASSISTANCE:

info@wesseling-bv.com

If you rather want to speak to one of us on the phone you can call: +31-20 497 5183



Please note:

- Before contacting for service or help, please identify the "SERIAL NUMBER" in the product label attached to the equipment (see example above), or the transport document/invoice number. This will speed things up and improve service quality.

The equipment was tested in very stringent conditions. during testing no specific breakages or faults occurred. If the equipment fails to operate, please follow the troubleshooting process below.

Issue	Cause	Solution
Adjustment of the back / leg-sections does not work or the position is not maintained	Gas spring faulty or incorrectly set	Contact Wesseling BV
	Transmission cable damaged or broken	
The actuator does not work	Foot- or hand switch is broken / Hydraulic pump is broken	Contact Wesseling BV
	Power cable is damaged or not connected in a proper way	
	Actuator is damaged or not connected in a proper way	

7. TECHNICAL DATA SHEET

Product Name	Plaster E(lectric)	Plaster H(ydraulic)
Product Code	PLASTE00	PLASTH00
Safe working load	200kg	200kg
Max patient weight	175kg	175kg
Height adjustment: complete table	65 to 115cm with a speed of 7,5mm/s - 8.000N, 470W, 2.0Ah, stroke 200mm	65 to 115cm, speed depending on pumping motion
Adjustment system	German electric actuators	Dutch hydraulic pump
Adjustment	Foot- or hand switch	Pedals / pumping action
Sections adjusted by gas spring	3	3
Back section	0° to 85°	0° to 85°
Leg sections	+45° to -90°	+45° to -90°
Adjusting gas spring	By levers that are on both sides of the table	By levers that are on both sides of the table
Wheels	Ø75mm or Ø125mm (optional)	Ø75mm or Ø125mm (optional)
Braking system	Centralized control on the back of the table	Centralized control on the back of the table
Equipment weight	± 90kg	± 90kg
Length	With leg sections horizontal: 185cm standard, 215cm with monkey pole / With leg sections vertical: 135cm standard, 165cm with monkey pole.	With leg sections horizontal: 185cm standard, 215cm with monkey pole / With leg sections vertical: 135cm standard, 165cm with monkey pole.
Width	60cm or 70cm (optional)	60cm or 70cm (optional)
Upholstery thickness	± 55mm	± 55mm
Filling	Polyether SG 90/30	Polyether SG 90/30
Semi Leather	Standard artificial leather, Original SKAI® or STAMSKIN	Standard artificial leather, Original SKAI® or STAMSKIN

