
14-5-2018



WESSELING BV

Quality since 1958

ARISTO ELITE

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 Aristo tables are used as treatment table and supine stander. Ideal for patients assisted by Hospital and Rehabilitation Center Specialists. Two electric motors provide height adjustment up to max 103cm or tilting up to 90°. The head section is adjustable (positive and negative) by gas spring. The table includes a tilt indicator, wheels and braking-system, and independently adjustable dual footboards (+/- 20 degrees). Special accessories are available to improve patient stability and posture.




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 having read the user manual. • When the safety load exceeds the stated capacity. • When the patient is left unsupervised. • When the patient and/or equipment is not stable enough. • When the original product has been tampered with and/or modified from its original configuration. • In an explosive atmosphere where there is a fire hazard and/or in a corrosive environment exposed to adverse weather conditions. • With faulty or defective controls and/or components, even only partially. • When incorrectly configured or when you think it may cause damage to a patient or user. <p>Also:</p> <ul style="list-style-type: none"> • Make sure that patient's feet are on the foot boards before tilting the table. • Stabilize patient with the appropriate harnesses before tilting. • Do not allow any body parts to enter the areas with moving components and controls. • Ensure accessories are properly fitted and adjusted. • Do not come near the equipment with naked flames. • Make sure the patient cannot activate the controls accidentally. • Before activating any release levers in the sections, ensure you are holding the weight that is resting on them. • Do not sit or concentrate loads on the ends of the couch, particularly on the head section. • If safety seems to be at risk, disable the equipment immediately preventing any possibility of use until such risk has been removed. • Disinfect the synthetic leather on the couch every time you use it.
	<ul style="list-style-type: none"> • Do not connect the equipment to an electrical system that does not comply with the relevant Regulations in force. • Do not damage the electric wires: avoid squashing, do not disconnect the various plugs by pulling directly on the wire. • Perform frequent checks on the state of the electric wires and ask for them to be replaced if in doubt. • Remove the power plug when moving the equipment and before any maintenance activity. • Do not pour liquids onto the equipment.
	<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. • Repairs on actuators, control boxes, controls and battery chargers can only be carried out by the manufacturer and they must not be opened or tampered with for any reason whatsoever, under penalty of cancellation of the warranty and manufacturer's liability. • Do not use the electrical controls continually, but perform the duty cycles as specified in 7 TECHNICAL DATA SHEET
<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. Electric controls are enabled by connecting the power cable to the mains socket. Please refer to the electrical characteristics specified on the label or in this Manual's Technical Data Sheet.

SETTING UP AND ADJUSTMENTS

The table has an electric actuators for the height adjustment. The head section and the back section are both fitted with gas springs.

ADJUSTMENT/FUNCTION	CONTROL	PROCEDURE
		<p>Press and hold the up or down button as indicated by the arrows, release finger pressure to stop at the desired height.</p>
		<p>Press and hold the tilt (UP) button as indicated by the arrow until reaching the required tilt angle (indicated by the tilt angle indicator provided).</p>  <p>The opposite button activates a downward movement.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">  <p>WARNING</p>  </div> <ul style="list-style-type: none"> • Stabilize patient with the appropriate harnesses before tilting. • Do not adjust the footboards with the patient standing on them. • Stay clear of moving footboards, do not keep your feet under the footboards. • Don not tilt table when footboards are inclined.
		<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;">  <p>WARNING</p>  </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>The Aristo is standard mounted with two separate footplates. The can be adjusted in in different angles and folded away complete.</p> <p>To unlock the footboards, pull the spring pin and reposition it in the desired hole. Each step corresponds to 10°</p> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>WARNING</p> </div> <ul style="list-style-type: none"> • Do not tilt the table if the footboards are off. • Do not adjust the footboards with the patient standing on them. • Stay clear of moving footboards, do not keep your feet under the footboards. • Don not tilt table when footboards are inclined.
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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. Never use the table if the castors are not fully retracted! The 4 feet can be adjusted individually when the floor is not even.

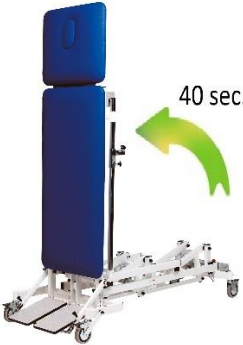

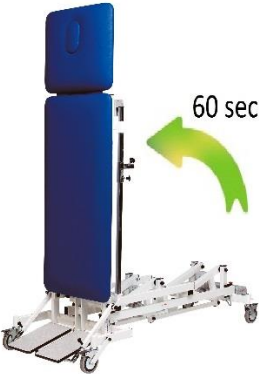

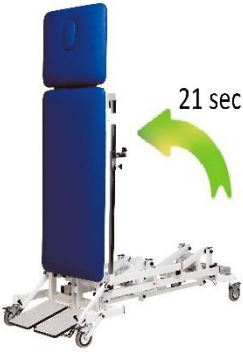

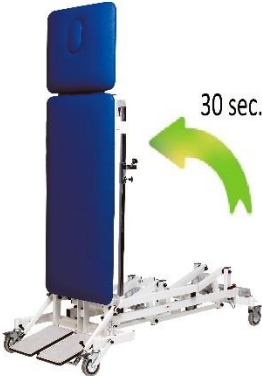
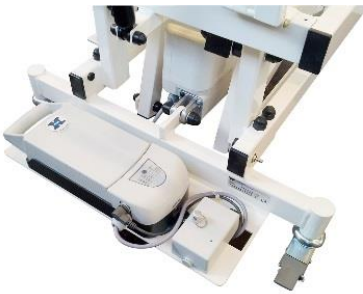
MOVING THE TABLE	PUT THE TABLE ON ITS FEET	PROCEDURE
		<ul style="list-style-type: none"> • To move the table use the foot to push down the bar till it stops. • To put the table on its feet use the foot to push up the bar until all the feet are on the floor.

WARNING

- Putting the brakes on the wheels is essential when transferring and treating the patient.


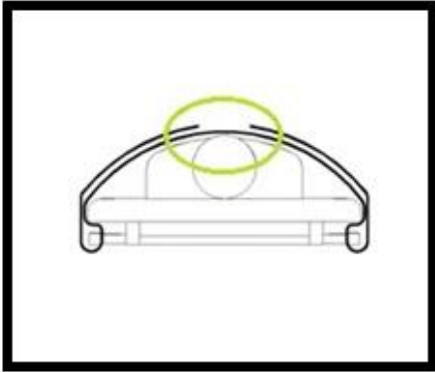




Different types of actuators:

The Aristo is available with four different types of actuators, all with their own specifications. Underneath we explain the different type and their specifications,

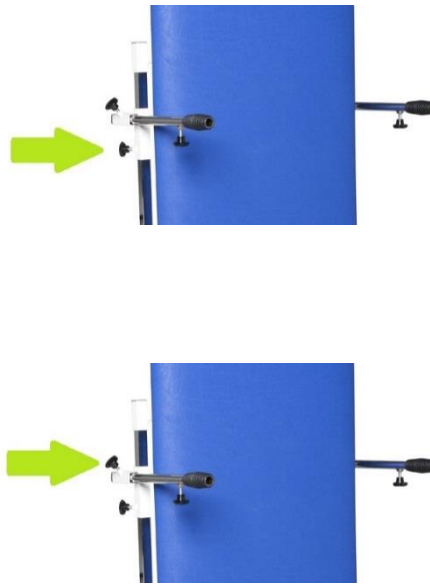
ADJUSTMENT/FUNCTION	CONTROL	PROCEDURE
<p>Aristo Electric</p> 		<p>The standard electric Aristo (ARIST01) is mounted with two Hanning actuators. Herewith the specifications of these motors:</p> <p>Height adjustment: Stroke: 200mm Power: 8000N Speed: 7,5mm\s</p> <p>Tilting: Stroke: 300mm Power: 8000N Speed: 7,5mm\s</p>
<p>Aristo with Battery</p> 		<p>The Aristo with battery (ARIST00) is mounted with two Linak actuators and a battery pack mounted on the back of the table. . Herewith the specifications of these motors:</p> <p>Height adjustment: Stroke: 200mm Power: 6000N Speed: 5 mm\s</p> <p>Tilting: Stroke: 300mm Power: 6000N Speed: 5 mm\s</p>
<p>Aristo Fast Electric</p> 		<p>The Aristo Fast Electric (ARIST05) is mounted with two Hanning actuators. The actuator for the height adjustment is standard but the actuator for tilting is faster. Herewith the specifications of these motors:</p> <p>Height adjustment: Stroke: 200mm Power: 8000N Speed: 7,5mm\s</p> <p>Tilting: Stroke: 300mm Power: 8000N Speed: 14mm\s</p>
<p>Aristo Fast with battery</p> 		<p>The Aristo Fast Electric (ARIST04) is mounted with two Hanning actuators. The actuator for the height adjustment is standard but the actuator for tilting is faster. Herewith the specifications of these motors:</p> <p>Height adjustment: Stroke: 200mm Power: 8000N Speed: 7,5mm\s</p> <p>Tilting: Stroke: 300mm Power: 8.000N Speed: 10mm\s</p>

4. FITTING AND USING THE ACCESSORIES

Specific accessories have been designed for tilt table therapy, in order to improve patient stability and comfort.

ACCESSORY – OPTIONAL EXTRA	CONTROL	PROCEDURE
<p>Fixation belt with velcro (FIXBAND)</p> 		<p>Straps are essential to tilt the patient safely to a vertical position.</p> <p>The straps can be fixed to the chromed bars that are placed on both side of the table.</p> <p>There are two sizes available:</p> <ul style="list-style-type: none"> - 180x8cm - 240x8cm
<p>Belt-cushion (RIEM001)</p> 		<p>To make the belts more comfortable, they can be equipped with belt-cushion. Standard they will be delivered in black, but optional they are available in every colour.</p>
<p>Facial cut-out in headsection (NEUSG01)</p> 		<p>The headsection of the Aristo can be supplied with a cut-out. In this way the patient is more comfortable when treated face down.</p>

Hand-supports (HANDGR00)

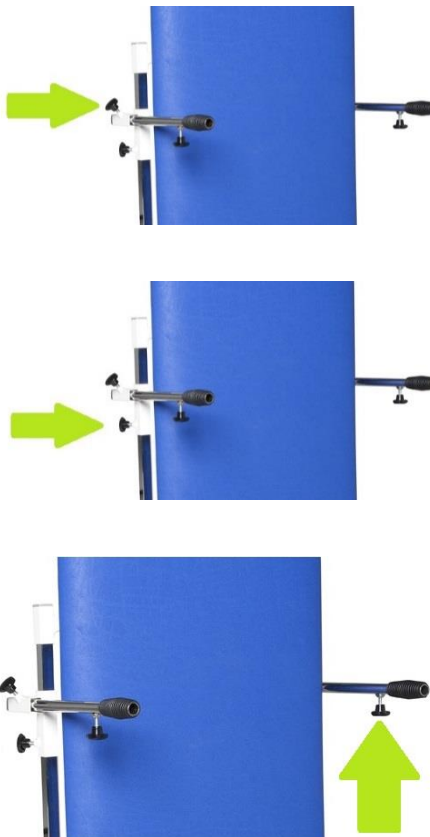


Hand supports can be order to let the patient support itself. The holders are adjustable in height and can be taken out.

The holders are adjustable in height along the chromed bars on the side of the table. To adjust the height: loosen the screw and adjust the height. When the plate is at the desired height fasten the screw.

The supports can also be taken out completely. To place the supports: loosen the screw and put the supports in. Fasten the screw to keep the support in place.

Working plate (WBLARIS)



The working plate fits in the supports that are standard delivered with the table. The working plate is adjustable in height and depth. The plate and the supports are also removable.

The supports can also be taken out completely. To remove the supports: loosen the screw and pull out the supports.

To adjust the height: loosen the screw and adjust the height. When the plate is at the desired height fasten the screw.

To adjust the depth: loosen the screw and adjust the depth. When the plate is at the desired position fasten the screw.

Adjustable working plate (WBARIS01)



The working plate fits in the adapters that are standard delivered with the plate. The working plate is adjustable in height, depth and angle. The plate is also removable.

To remove the plate: loosen the screw and pull out the complete working plate.

To adjust the height: loosen the screw and adjust the height. When the plate is at the desired height fasten the screw.

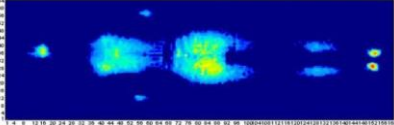





To adjust the depth: loosen the screw and adjust the depth. When the plate is at the desired position fasten the screw.

To adjust the angle: loosen the handles on both sides of the plate and put the plate in the desired angle. Fasten both handles again when the plate is in place.

Neck-cushion (MASK003)



To make the patient feel more comfortable, the table can be supplied with a special neck cushion. This cushion comes with an elastic strap on the back so it can be placed everywhere on the table. The neck-cushion can be ordered in every colour of choice.

<p>Memoryfoam (LAZYFOAM0)</p> 		<p>The standard parts are filled with polyether and are about 55mm thick. With the optional Lazy Foam the total thickness is 70mm. The upholstery is not only thicker but also softer and more comfortable for patients lying on the table.</p>
<p>Extra handswitch incl. connector for second switch. (HSCH006 + TSTUK00)</p> 		<p>Standard the Aristo comes with one handswitch. All the tables can be equipped with an extra handswitch. This switch can only be connected to the actuator with the special connector.</p>
<p>Set of stainless steel footswitches incl. connector (VSCH008 + TSTUK00)</p> 		<p>With this footswitch one can adjust the height and the angle of the table. The Stainless steel footswitches are only available for the Hanning Actuators. The following models can be fitted with this option:</p> <p>ARIST01: Aristo Electric ARIST04: Aristo Fast with battery ARIST05: Aristo Fast Electric.</p>

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

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. CLEANING and CONSERVATION

For durable joy with the leather 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

7. 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 head-section doesn't work or the position is not maintained	Gas spring faulty or incorrectly set	Contact Wesseling BV
	Transmission cable damaged or broken	
One of the actuators does not work	The attached switch is broken or not connected properly	Contact Wesseling BV
	Power cable is damaged or not connected properly	
	Actuator is damaged or not connected properly	
	Safety Sensor is damaged or broken	

8. TECHNICAL DATA SHEET

Product Name	Aristo with battery	Aristo electric	Aristo fast with battery	Aristo fast electric
Product Code	ARIST00	ARIST01	ARIST04	ARIST05
Max patient weight	175kg	175kg	175kg	175kg
Height adjustment:	53 – 103cm	53 – 103cm	53 – 103cm	53 – 103cm
Tilting adjustment:	0 - 90°	0 - 90°	0 - 90°	0 - 90°
Tilting Speed	60 seconds	40 seconds	30 seconds	21 seconds
Adjustment system	Linak, Danish actuators	Hanning, German actuators	Hanning, German actuators	Hanning, German actuators
Power supply High-Low	24V, 50Hz, 4.5A, 6.000N	230V, 1~50Hz, 2.0A, 470W, 8.000N	36V DC, 360W, 10A, 6.000N,	230V, 1~50Hz, 3.7A, 850W, 10.000N
Power supply tilt	24V, 50Hz, 4.5A, 6.000N	230V, 1~50Hz, 2.0A, 470W, 8.000N	36V DC, 360W, 10A, 6.000N,	230V, 1~50Hz, 3.6A, 850W, 8.000N
Adjusting electrics	24v hand switch		24v hand switch	
Head section	-35° to +85°		-35° to +85°	
Adjusting gas spring head section	By a lever that is located on the back of the table		By a lever that is located on the back of the table	
Wheels	Ø125mm		Ø125mm	
Braking system	Centralized control on the back of the table		Centralized control on the back of the table	
Equipment weight	± 100kg		± 100kg	
Length upholstery	196cm		196cm	
Width upholstery	60cm		60cm	
Upholstery thickness	± 50mm		± 50mm	
Length table	220cm		220cm	
Width table	75cm		75cm	
Filling	Polyether SG 90/30		Polyether SG 90/30	
Semi Leather	Standard artificial leather, Original SKAI®, Stamskin, Boltaflex, Silverguard		Standard artificial leather, Original SKAI®, Stamskin, Boltaflex, Silverguard	
Principal dimensions and adjustment of the sections				

9. WARRANTY

GENERAL AFTER-SALES SERVICE CONDITIONS FOR WESSELING ITEMS

The warranty has a 24-month validity from the date of delivery.
 The warranty does not cover consumable items, rechargeable batteries, and generally all the material subject to wear, breakdowns caused by knocks, falls, misuse or improper use, accidental events and transport damage. This warranty shall be automatically invalidated if the equipment is tampered with.
 Repair of the equipment will be carried out in relation to the breakdown stated.
 An estimate must be specifically requested.
 Payment is cash on delivery, unless other agreements are made.
 For any dispute, the sole competent court shall be the court of Amsterdam

WARRANTY REPAIRS

Warranty repairs must be expressly requested.
 Repairs under warranty shall be carried out at our workshop and upon authorization
 The return shipment for products sent in their original package will be made free of carriage charges.
 A fiscal document (bill of sale, purchase invoice or cash receipt) is required to make a warranty claim; the purchase date indicated must fall within the warranty time period.
 If, upon inspection, the product appears to be fully functioning, troubleshooting expenses shall still be charged to the client.

OUT OF WARRANTY REPAIRS

For out-of-warranty repairs carried out at our workshops upon authorization, transportation charges shall be paid by the customer.
 The warranty of the parts replaced during the repair operations is 12 months from the moment the equipment is collected.
 If, upon inspection, the product appears to be fully functioning, troubleshooting expenses shall still be charged to the client.

REPAIRS MADE AT HOME

In the event repairs are made at the customer's home, a written request is required indicating the complete details of the person making the request, the type of machine and the breakdown.
 The cost per kilometer for on-site technician visits will be agreed upon in relation to the urgency of the customer.
 In the event the machine is under warranty, the customer will have to pay only the expenses incurred for the technician to reach the customer's house.
 Time is calculated from the moment the technician leaves our workshop until he/she returns. The time of his/her return will be estimated based on the time required to get there.

SALE OF SPARE PARTS AND CONSUMABLE ITEMS

The orders must be in writing and specify the customer, the item and the shipping method as well as the precise fiscal data of the customer.
 The order processing time can vary depending on the availability of the material.
 Returned spare parts will not be accepted.
 Payment will be cash on delivery, unless other agreements are made.

10. SERVICE RECORD

EQUIPMENT:		DATE OF FIRST INSTALLATION:		SERIAL NUMBER:	
DATE OF SERVICE	OPERATIONS CARRIED OUT	TECHNICIAN	SIGNATURE	NEXT DUE DATE	