

QA3™

Patient Stretcher System

Instructions for Use for;

QA3™ Manual Function Stretchers



Products;

Code 21110 – QA3 Patient Stretcher

Code 21120 – QA3 Emergency Stretcher

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1. Introduction

These instructions are intended to assist you with the operation of the following QA3 Stretcher variants;

Code 21110 – QA3 Patient Stretcher

Code 21120 – QA3 Emergency Stretcher

It is important that these instructions are read thoroughly before using the equipment. The device will be adversely affected and its life expectancy reduced if the following instructions are not observed.

It is also important to check the stretcher before use to ensure there is no loss or change in performance; ensure that all stretcher functions operate to their full range of movement and that all components disengage, re-engage and lock correctly. We recommend that the stretcher is visually inspected for any loose or damaged parts, foreign bodies caught in the castors, and hydraulic fluid leakage.

NOTE: If the stretcher is damaged or faulty it **must** be taken out of use with immediate effect and the fault reported to Anetic Aid, your authorised dealer or maintenance department. The stretcher **must not** be used until the damage or fault has been repaired.

1.1. Device Classification

The device referenced in this document is CE marked and has been classified as a Class 1 Medical Device under the scope of both the UK Medical Device Regulations 2002 (UK MDR 2002) and the Medical Device Regulation 2017/745.



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Mülibodenstrasse 3, 8172 Niederglatt ZH,
Switzerland

1.2. Warnings & Cautions

In common with all medical devices of this nature there are inherent risks that the user should be made aware of, including potential pinch points from moving parts. Whilst every effort has been taken to eliminate these risks, care should be taken when using the stretcher. Various warnings and cautions are made throughout these operating instructions.



A **WARNING** is given when the personal safety of the patient or user may be affected and when disregarding this information could result in injury.



A **CAUTION** is given when special instructions must be followed. Disregarding this information could result in permanent damage being caused to the stretcher.

1.3. Intended Use & Contraindications

The device's intended use is as a method of transporting a patient to and from and in a theatre, clinical or emergency medical department environment, being used for examination, intubation, radiography and recovery of a patient following anaesthesia.

CONTRAINDICATIONS:

- The stretcher is not compatible with hospital bed/stretchers washers.
 - The stretcher must not be used near magnetic resonance imaging (MRI) machines, or any machines generating a large magnetic field.
 - Do not use the stretcher for transporting patients in a moving vehicle.
 - The stretcher should not be used outside; it may be damaged by pushing it across rough or uneven ground.
-

1.4. Serial Number Label

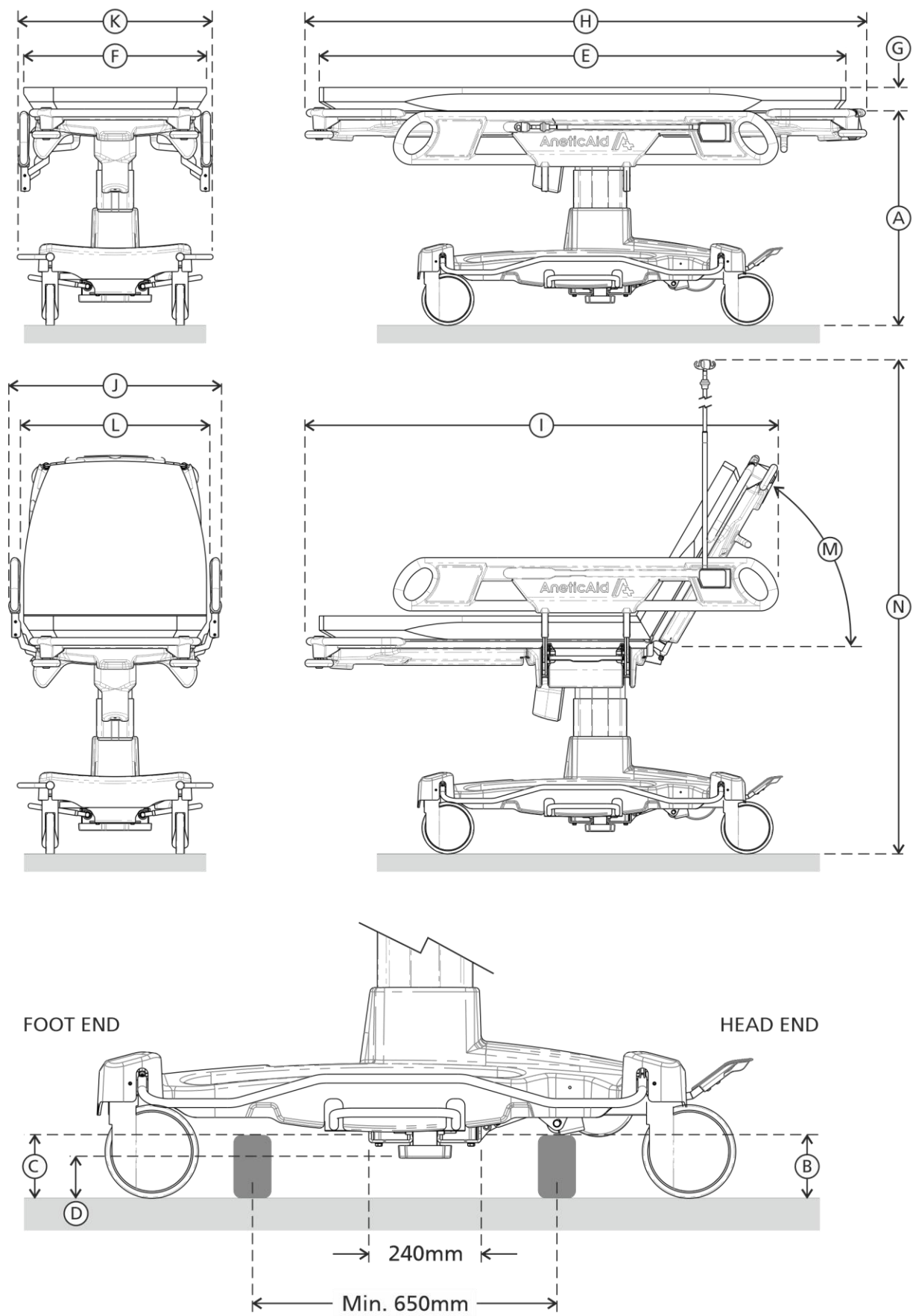
The serial number label is located on the base cover moulding.

1.5. Putting the Stretcher into Service

Care should be taken when removing packaging, avoid the use of sharp implements wherever possible. It is important that the stretcher is working properly and cleaned and disinfected before it is put into service; use this manual to check all product functions and follow the cleaning and disinfecting instructions.

The stretcher should only be used, for its intended use, by suitably trained personnel who have familiarised themselves with the functions of the stretcher. Our representatives are available for on-site consultation or training and our head office team will be pleased to answer any queries you may have.

2. Product Specifications



NOTE:
Compatible with hoist leg
height up to 120mm

		QA3 Patient Stretcher Ref. 21110	QA3 Emergency Stretcher Ref. 21120
Castor Diameter		Ø150mm (5.9")	Ø150mm (5.9")
Height range:			
A.	Minimum stretcher height	475mm (18.7")	535mm (21.1")
	Maximum stretcher height	775mm (30.5")	835mm (32.9")
Ground clearance under the stretcher base:			
B.	Beneath the 5 th wheel	90mm (3.5")	
C.	Beneath the base frame		
D.	Beneath the lift column	44mm (1.7")	
Note: The stretcher is compatible with hoists with leg heights up to 120mm.			
Mattress dimensions for all stretcher variants:			
E.	Mattress length	2025mm (79.7")	
F.	Mattress width	700mm (27.6")	
G.	Mattress depth	90mm (3.5")	
Stretcher length:			
H.	Patient platform flat	2150mm (84.6")	
I.	Backrest raised (70°)	1820mm (71.7")	
Stretcher width:			
J.	Side rails up	805mm (31.7")	
K.	Side rails down	735mm (28.9")	
	Brakes off	735mm (28.9")	
L.	Width between side rails up	745mm (29.3")	
Backrest articulations:			
M.	Manual function backrest	0 - 90°	
IV pole:			
N.	Maximum height of pole	2110mm (83.1")	2155mm (84.8")
	Maximum weight per hook	3kg (6.6lbs) or 3 Litres (101.4 fl oz.)	
	Safe working load (SWL)	6kg (13lb)	
Trendelenburg:			
Trendelenburg		12°	
Reverse Trendelenburg		10° (optional feature)	
Patient weight limit and safe working load (SWL):			
Maximum patient weight		320kg (705.5lbs)	
Safe working load (SWL)		320kg (705.5lbs)	
Stretcher weights:		128.0kg (282.2lbs)	148.0kg (326.3lbs)
Environmental conditions:			
Temperature:	Operation	10°C to 50°C	
	Storage & Transport	-20°C to 50°C	
Relative humidity:	Operation	30% to 75%	
	Storage & Transport	10% to 75%	
Atmospheric pressure:	Operation	70kPa to 106kPa	
	Storage & Transport	50kPa to 106kPa	
Environmental regulatory information:			
For the latest information about Anetic Aid's environmental policy and the safe disposal of this product, please refer to our website.			

NOTE: All dimensions quoted are subject to the following tolerances; angles $\pm 2^\circ$, lengths and widths $\pm 25\text{mm}$, depths $\pm 10\text{mm}$. Anetic Aid reserves the right to change specifications without notice.

3. Product Functions



1. Backrest Actuation Lever.
2. Trendelenburg Actuation Lever.
3. Steering Pedal (activates 5th wheel).
4. Brake Pedal.
5. Raise and Lower Pedal.
6. Side Rail.
7. Side Rail Release Lever.
8. Fixed Transfusion Pole.
9. Fold-away Pushing Handles.
10. Fixed Pushing Handles.
11. Storage Recess.
12. Serial Number Label.
13. Oxygen Cylinder Mounting Trough (accommodates F, ZX, D, E & CD size's)
NOTE: A CD cylinder support bracket is available (catalogue no. 53556).

4. Height Adjustment

The height of the patient platform is adjusted by using either of the raise and lower pedals. Pumping either pedal will raise the patient platform, lifting either pedal will lower the patient platform. The patient platform requires 27 ± 1 pump strokes to achieve full height.



WARNING: Ensure there is nothing to impede the raising or lowering of the patient platform as this could result in damage to the equipment and/or injury to the patient.



WARNING: When leaving patients unattended the stretcher should be fully lowered to minimise any risk of injury should the patient fall off the stretcher.

5. Using the Brakes

All four castors are simultaneously braked by depressing either of the brake pedals at any point along the length of the pedal. The brakes are disengaged by lifting either pedal.



WARNING: Always apply the brakes when leaving a patient unattended, a patient is getting on or off the stretcher, or transferring patients from the stretcher to another platform.

6. Using the Steering Pedal, activates 5th wheel

The stretcher can be manoeuvred more easily by engaging the 5th wheel steering mechanism. The mechanism is engaged, and disengaged, by pressing down on the steering pedal. To move the stretcher sideways disengage the 5th wheel.



CAUTION: Applying the steering pedal with excessive force, i.e. by standing on it, may cause permanent damage to the mechanism.

7. Using the Side Rails

The stretcher is fitted with two side rails that can be individually raised and lowered. Lower the side rail by pulling up on the side rail release lever and pushing the side rail down. Raise the side rail by gripping it and pulling up firmly to its full height; the release lever will make an audible 'CLICK' when engaged. The side rail will now be locked into position.



WARNING: It is important to ensure that nothing impedes the side rail release lever from locking correctly; ensure that the release lever remains visible at all times.



WARNING: After raising the side rail it is important to ensure that the release lever has properly locked in position by pushing down firmly on the side rail. Failure to ensure the side rail is properly locked could result in injury to the patient.



CAUTION: If the side rail mounted IV pole is in use when either raising or lowering the side rail it is important to check the infusion flow rate as the height of the infusion above the patient will change by approximately 30 cm.

NOTES:

The side rails are designed to prevent a patient inadvertently rolling off the stretcher; they are not intended to restrain the patient.

When the IV pole is in use, the weight of the side rail is increased and the side rail may lower more quickly. Keep a firm grip on the side rail as it lowers to control its movement; see Section 16, 'Using the Transfusion Pole', for details on the maximum weight for the IV pole.

8. Using the Backrest

The backrest is moved up or down by pulling up on the backrest actuation lever whilst keeping a firm grip on the pushing handle to control the movement.

NOTE: It is important to note that the backrest provides limited lift assistance; the patient should be assisted into a sitting position as the backrest is articulated up.



CAUTION: When the backrest is raised the fold-away pushing handles can come in close proximity to the patient's head and care should be taken.

9. Using the Trendelenburg Function

The patient platform can be moved into a Trendelenburg, or Reverse Trendelenburg, position by pulling up on the Trendelenburg actuation lever whilst maintaining a firm grip on the platform handle to control the movement. The tilt speed can be controlled by the gradual squeezing of the actuation lever rather than pulling it fully.

NOTE:

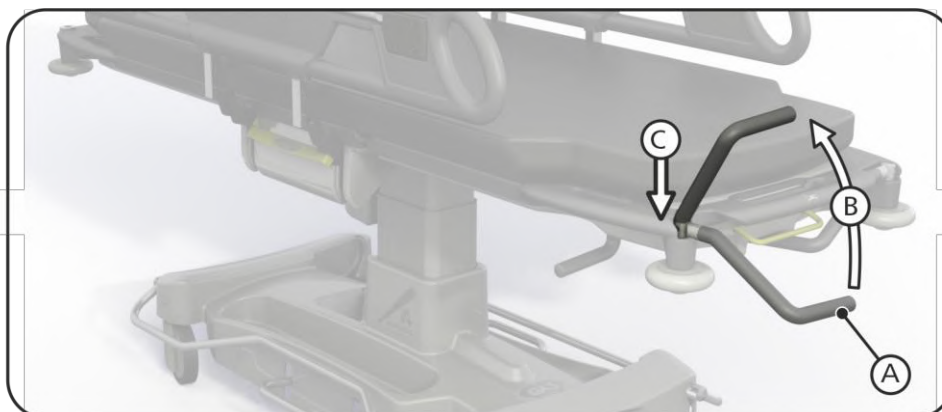
Trendelenburg is a standard stretcher function, Reverse Trendelenburg is an optional function.



WARNING: When handling heavy patients, extreme care should be taken when attempting to tilt the platform head down and assistance should be sought to take the weight of the platform when released; failure to do so could result in injury to the user.

10. Using the Fold-away Pushing Handles

The stretcher is fitted with two fold-away pushing handles at the head end of the stretcher. As illustrated each pushing handle is swivelled out (A), up (B), and then allowed to drop down into the mounting socket ready for use (C). The handles should be folded away when not in use.



CAUTION: When the backrest is raised, the fold-away pushing handles can come in close proximity to the patient's head and care should be taken.

11. Using the Transfusion Pole

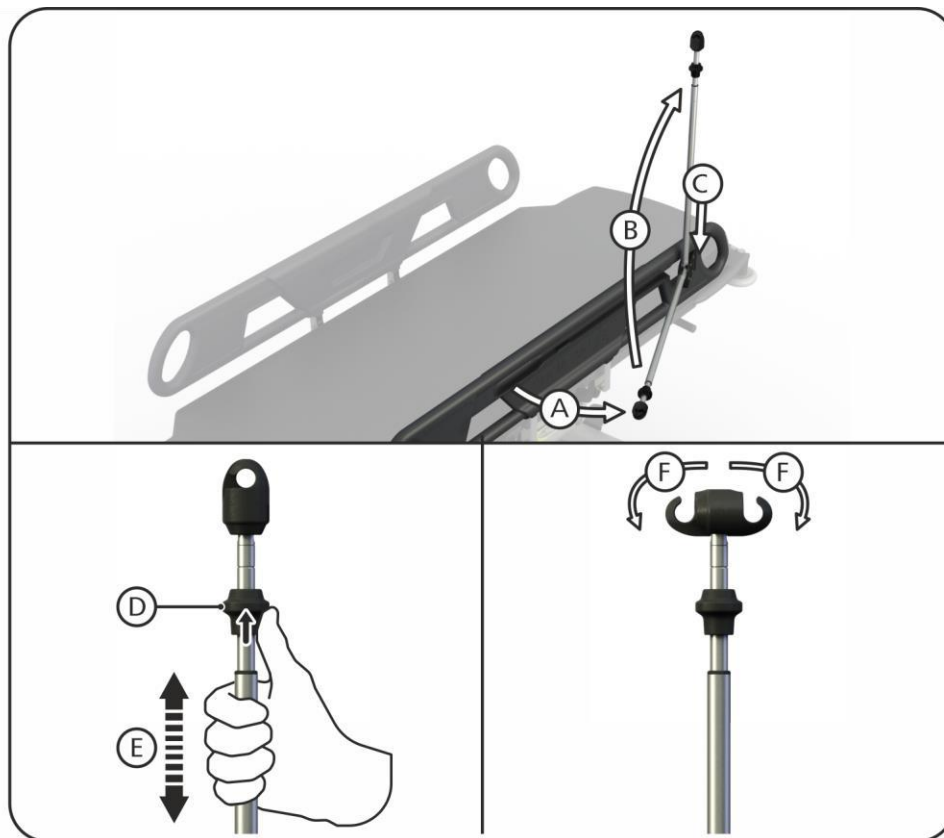
As illustrated, pull the transfusion pole away from the side rail storage position (A), articulate the transfusion pole up 90° to the vertical position (B), and allow the transfusion pole to drop down and engage into the mounting socket (C).

To adjust the height of the transfusion pole grasp the locking mechanism (D) and using your thumb lift the mechanism to release the lock and move the pole up or down to the required height (E); release the mechanism to lock the pole in position.



CAUTION: When adjusting the height of the pole use two hands; one to adjust the height of the inner pole and hooks, and the other to hold the outer pole to ensure that it remains fully engaged in the mounting socket.

The transfusion pole is fitted with two spring-loaded hooks that are designed to return to their original upright position when not in use. Swivel one or both hooks outwards (F) to hang the IV bags.



NOTE: The maximum weight limit per IV hook is 3kg (6.6lbs) or 3 litres (101.4 fl oz.), and the recommended safe working load for the IV pole is 6kg (13.2lbs). Syringe drivers (and similar devices) can be mounted to the IV pole if the following **CAUTION** is observed.



CAUTION: Syringe drivers (and similar devices) can be mounted to the IV pole if extreme care is taken when lowering or lifting the side rail with additional weight attached. We advise that the device sits on the siderail for additional support.



CAUTION: When folding the transfusion pole away ensure that it is fully retracted and returned to its storage position within the side rail; failure to do this may cause the pole to get caught on obstructions when pushing the stretcher.



CAUTION: Using the transfusion pole to either push or pull the stretcher may cause permanent damage to the transfusion pole and the side rail.



CAUTION: If the side rail mounted IV pole is in use when either raising or lowering the side rail it is important to check the infusion flow rate as the height of the infusion above the patient will change by approximately 300mm (11.8").

12. X-ray Radiolucent Platform (QA3 Emergency Stretcher only)

The Emergency Stretcher is specially designed to accommodate the needs of accident and emergency departments and includes a raised x-ray radiolucent platform suitable for analogue and digital direct radiography and computed radiography.

To improve access for cleaning beneath the x-ray platform both the backrest and leg sections can be articulated upwards for easy access to the patient platform surface.

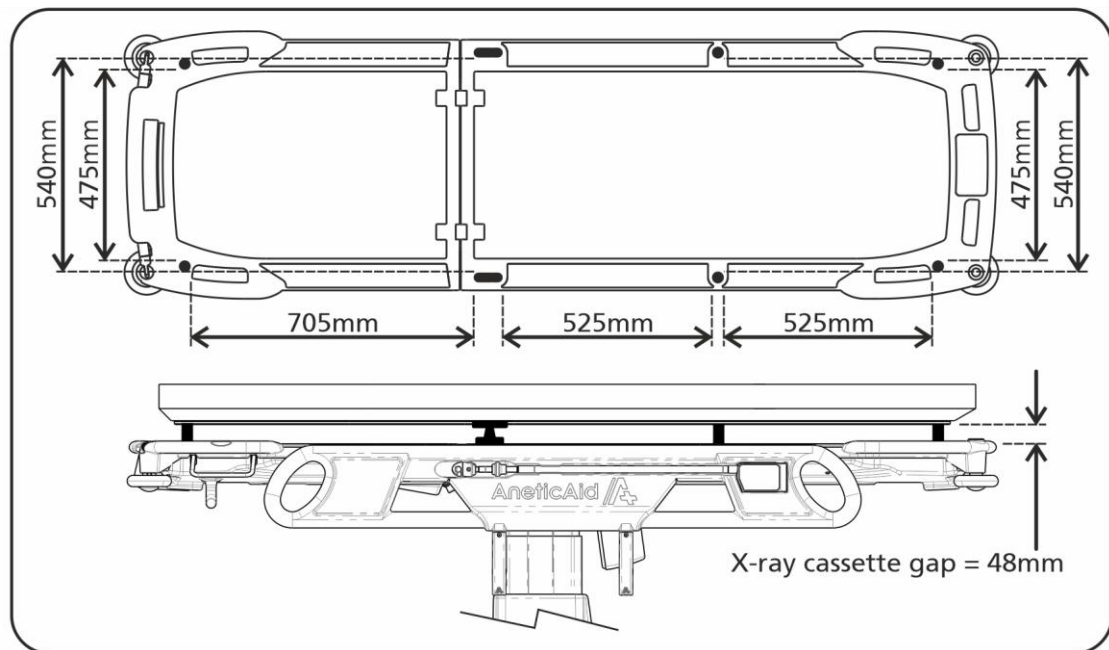
NOTE: All known original equipment manufacturers mobile imaging generators, and floor or ceiling mounted fixed imaging generators (which offer horizontal and vertical tracking), including U-armed, are compatible.

NOTE: The maximum detector, or cassette, dimension that can be accommodated is W520mm x L610mm x H48mm (W20.5" x L24.0" x H1.9"); this includes any carrier or protective case.

Analogue and digital direct detectors are loaded beneath the x-ray platform and between the supporting posts; see the illustration below for the relevant dimensions. Alternatively, the detectors can be loaded on the optional x-ray tray, and then positioned anywhere below the platform.



CAUTION: Do not raise the backrest with the x-ray tray, x-ray cassette or digital plate across the backrest hinge as damage may occur.



13. Patient Weight Limit

The stretcher is designed to accommodate a maximum patient weight of 320kg (705.5lbs) and has a safe working load of 320kg (705.5lbs).

NOTE: The safe working load is the sum of the maximum patient weight, the weight of any accessories attached to the stretcher and the weight of the items on or attached to those accessories. Therefore, if using accessories, the weight of those accessories must be subtracted from 320kg (705.5lbs) to establish the maximum patient weight that can be put onto the stretcher.

CAUTION – Special Precautions for Handling Heavy Patients:

- Heavy patients must mount the stretcher at the centre of the platform and their weight must be kept as evenly distributed as possible.
- Patients must not sit at either end of the stretcher as this may result in tipping.
- Once the patient has mounted the stretcher the stretcher should be manoeuvred as little as possible; take care to avoid uneven floors, door thresholds and lift thresholds.
- Extreme care should be taken when attempting to raise or lower the backrest and assistance should be sought to take the weight of the backrest when released.
- Extreme care should be taken when tilting the platform head down and assistance should be sought to take the weight of the platform when released.



WARNING: Exceeding the maximum specified patient weight limit could result in failure of the stretcher and injury to the patient and/or user.

14. Pressure Care Mattress

The mattress is fixed to the patient platform with touch fasteners; this enables the mattress to be removed from the stretcher for cleaning and replacement. The mattress cover is fitted with a zip so the mattress foam can be visually inspected.



WARNING: Incompatible mattresses can create hazards; only replace the mattress with a new mattress supplied by Anetic Aid, or your authorised dealer, to ensure compatibility in accordance with BS EN 60601-2-52:2010.

Pressure Care Mattress Specification	
Basics	Latex free and x-ray translucent.
Foam Base Layer	Polyether polyurethane foam, density 48 to 52kg/m ² , nominal hardness 210N – 250N.
Foam Top Layer	Viscoelastic temperature sensitive foam, density 58 to 62kg/m ² , nominal hardness 70N – 100N.
Fabric Cover	Polyurethane coated nylon/polyamide/polyester which is; breathable, anti-microbial, chlorine resistant (<1%, 10,000 ppm) and waterproof (to 2000mm).
Touch Fastener	Polyamide with high strength adhesive.
Fabric Cover Seams	High frequency welded seams which are fully sealed and high strength.
Fire Safety	Compliant to Fire Crib Test 5 BS7177:2008 for medium hazard.
Life Expectancy	The mattress life expectancy is 4 years. Dependent upon the level of care and maintenance the pressure care properties of this mattress may reduce once the life expectancy has been exceeded.
Warranty	The mattress is guaranteed against defects found in material or workmanship for a period of 12 months from the date of invoice.
Judith Waterlow Score	The mattress is rated as medium to high risk and suitable for the majority of patients up to 23 hours. It is important to remain aware of individual patient needs, and standard nursing practices must always apply for patients immobile or at high risk of pressure sores.

NOTE:

The mattress parts should be visually inspected for damage on a daily basis. If the outer mattress fabric is torn, then fluids may penetrate and the mattress should be replaced. Do not attempt to repair tears or splits with self-adhesive tapes.



CAUTION: Ensure that the mattress is correctly orientated on the patient platform with the touch fastener of the mattress aligning with the touch fastener on the patient platform.



CAUTION: Ensure that the mattress is centrally positioned across the width of the patient platform otherwise it may prevent the side rail from locking when raised.

15. Fitting a Replacement Mattress Cover

NOTE:

When fitting a new mattress to the stretcher the touch fastener on the patient platform must also be replaced.

- Remove and discard the old mattress cover; take note of the foam orientation as you remove the cover.
- Inspect the foam for contamination to ensure it is fit for use.



CAUTION: If the foam is contaminated, it must be replaced.

- Unzip and open out the replacement mattress cover.
- Insert the foam into the replacement cover ensuring it is orientated correctly.

- As you begin to pull the zip slider, draw together both sides of the zip to minimise any strain on the mattress cover; be careful not to snag the mattress cover, or the foam stockinet cover, in the zip slider.



CAUTION: If the above action is not observed both the mattress seams, and the zip, will be overly stressed and could fail.

- Continue to draw together both sides of the zip as you pull the zip slider, working your way around the mattress in small sections.
- When the cover is completely zipped up, manipulate the cover to sit evenly on the foam, using the seams of the mattress cover as a reference.
- Make sure the zip cover flap is folded down protecting the zip.

16. Cleaning and Disinfecting

It is recommended that only CE marked cleaning products are used in the cleaning of the stretcher and the mattress. Cleaning and Disinfection should be carried out by hand only.

Clean the stretcher and mattress with warm water and neutral detergent and dry the surfaces thoroughly using a soft cloth. Suitable disinfectants are: quaternary ammonium compounds, isopropyl alcohol & chlorine bleach up to 1% (10,000 ppm). Apply disinfectant by cloth, spray or disinfectant wipe. Following disinfection, wash off all surfaces with clean warm water and dry thoroughly using a soft cloth. Clean all touch fastener attachments periodically with a soft brush, neutral detergent and suitable disinfectant as listed. The product will be adversely affected and its life expectancy reduced if the above cautions are not observed.

CAUTION:



- Do not steam clean or jet wash this device.
- Do not soak or immerse this device.
- Do not use concentrated bleaching disinfectant solutions, organic solvent or abrasive powders in the cleaning or disinfection of this product.
- Dilute all disinfectants in accordance with the manufacturer's guidelines.
- Disinfectant products are corrosive in nature; failure to properly wash and dry the product surface could leave a corrosive residue which may cause damage to the product.
- Ensure the mattress is thoroughly dried before refitting.

17. Product Warranty

The product, when new, is guaranteed to be free from defects in materials and workmanship and to perform in accordance with the manufacturer's specification for a period of one year from the date of invoice from Anetic Aid or their approved distributor. Anetic Aid will repair or replace, at their discretion, any components found to be defective or at variance with the manufacturer's specification within this time at no cost to the purchaser.



Protect your investment with a manufacturer backed service and maintenance package; contact Anetic Aid for more details.

Warranty exclusions; the warranty does not provide cover for breakage or failure due to tampering, misuse, neglect, accidents, modifications or shipping. The warranty is also void if the product is not used in accordance with the manufacturer's instructions or is repaired during the warranty period by any persons other than Anetic Aid or its appointed agent. No other expressed or implied warranty is given.

Extended warranty; the warranty may be extended from the date of purchase, if the product is maintained by Anetic Aid or its appointed distributor, commencing at the end of the initial one year warranty period (quotations available upon request). Extended

warranty limitations; the extended warranty does not cover pressure care mattresses or ancillary equipment (12 month warranty only applies).

For warranty, service and calibration, please contact Anetic Aid or their appointed distributor.

18. Product Maintenance

The life expectancy of a QA3 Patient or Emergency stretcher is 10 years from date of introduction to clinical use, dependent on the level of care and maintenance. The performance of this device may reduce once the life expectancy has been reached and exceeded. It is recommended that the stretcher is serviced on an annual basis in accordance with the manufacturer's service schedule.

Before use, ensure all stretcher functions operate to their full range of movement and that all components disengage, re-engage and lock correctly. Also visually inspect the stretcher for any loose or damaged parts, foreign bodies caught in the castors and hydraulic fluid leakage.

NOTE:

If the stretcher is damaged or faulty it **must** be taken out of use with immediate effect and the fault reported to Anetic Aid, your authorised dealer or maintenance department. The stretcher **must not** be used until the damage or fault has been repaired.



CAUTION: In line with the MHRA document, Managing Medical Devices, maintenance work should only be conducted by suitably trained personnel following manufacturer's guidelines.

19. Label Identification

The following list is a description of all the labels used on the stretcher;

Serial number label.



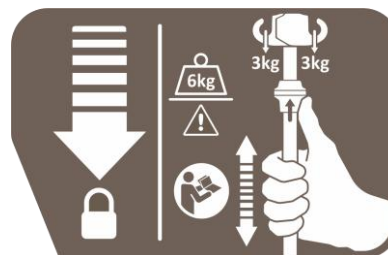
Maximum patient weight limit is 320kg (705.5lbs), and the stretcher safe working load is 320kg (705.5lbs).



Lift the side rail release lever to lower the side rail.



The IV pole must be fully inserted into the mounting socket to be locked into the vertical position. The maximum weight per hook is 3kg (6.6lbs) and the safe working load for the IV pole is 6kg (13.2lbs).



Depress the raise and lower pedal to raise the trolley, lift the raise and lower pedal to lower the trolley.



Depress the brake pedal to brake all four castors.



Depress the steering pedal to engage the 5th wheel steering function.



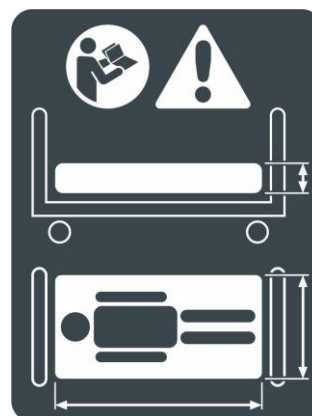
Pull up on the backrest actuation lever to adjust the backrest angle.



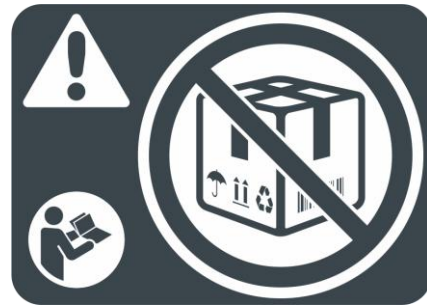
Pull up on the Trendelenburg actuation lever to adjust the patient platform angle.



Incompatible mattress can create a hazard.



Indicates 'do not store' items here.



Mattress screen print.



Mattress label.



QA3 Patient Stretcher branding label.



QA3 Emergency Stretcher branding label.



QA3™

Patient Stretcher System

Do not lift by brake pedals or top, lift from steel base frame only.

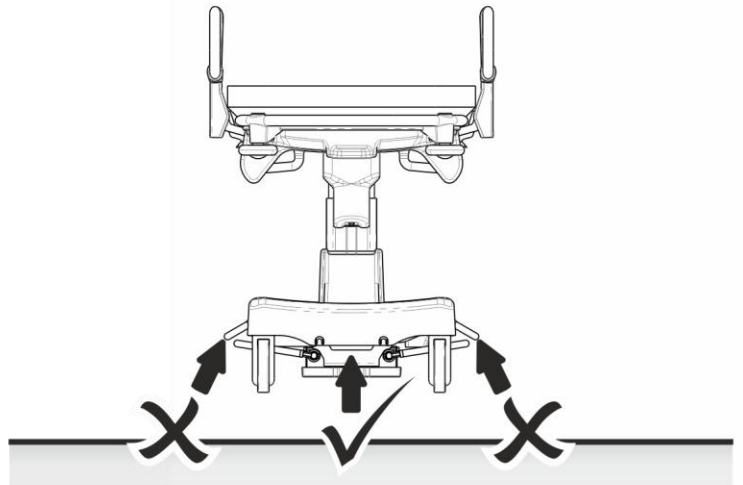
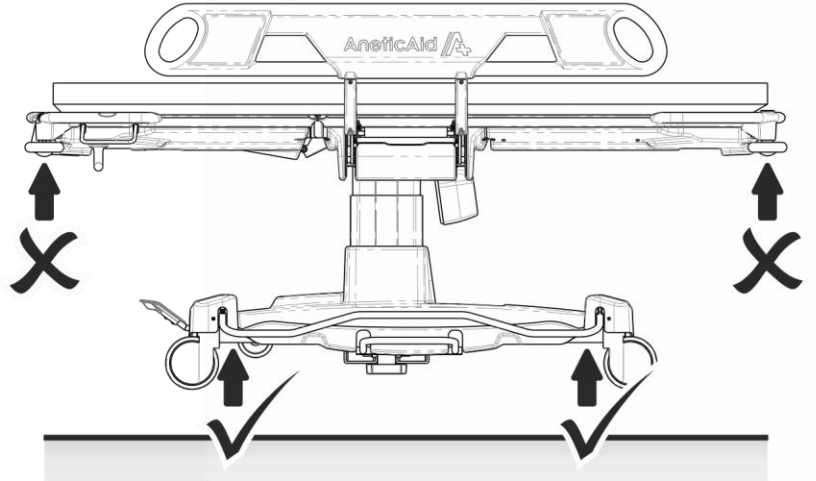
No lo levante sujetándolo por los pedales de freno ni por la parte superior, levántelo únicamente sujetándolo por la base de acero.

Fren pedallarından veya en üst kismından kaldırmayın, yalnızca çelik taban çerçevesinden kaldırın.

Ne pas soulever avec les pedales de frein ou par le haut, ne soulever que par le cadre en acier.

Nicht an den bremspedalen oder am oberteil anheben, nur am stahlgestell anheben.

لا تحمل النقالة من مقابض الكوابح أو من الأعلى
ارفع النقالة من إطار القاعدة المعدنية فقط



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Document No. 992012. Issue 21– 15/02/24

