



Doherty Treatment Chair Range

Instructions for use

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1. INTRODUCTION

Thank you for purchasing this product. These instructions for use should be read carefully before operating the chair. Please ensure that you understand all instructions, if you have any questions concerning the operation or maintenance of the chair please contact your provider.

1.1 Features

- Electrically operated height adjustment
- Adjustable backrest angle
- Adjustable leg rest angle
- Leg extension feature
- Washable fabric covering on upholstered surfaces
- Braked castors for manoeuvrability

1.2 Warnings and Cautions



Warnings in this instructions for use highlight potential hazards that if disregarded could lead to injury or death.



Cautions in this instructions for use highlight potential hazards that if disregarded could lead to equipment damage or failure.

2. USE

2.1 Typical Use

Your chair is intended for use within a clinical environment. It has been designed to provide users with optimum independence and freedom of movement through the use of a touch button handset. The chair offers greatly reduced manual handling requirements for the operator by providing a profiling platform and electrical height adjustment capability.

2.2 Risk Assessment

Before a patient uses the chair a risk assessment must be performed on a patient by patient basis. The risk assessment should include, but is not limited to:

- Entrapment
- Falling off the chair
- Small children (and adults)
- Patients with learning difficulties
- Unauthorised people



Caution

The chair's surroundings must be monitored in order to make sure that any clashing points with other equipment are avoided.

Warning



- Misused electrical equipment can be hazardous.
- Accessories that have not been approved or designed for use with the chair should not be used.
- Electrically operated chairs should not be used in the presence of flammable gasses.

2.3 Chair Load

Safe Working Load: **177kg (28 stone)**

Maximum User Weight: **160kg (25 stone)**

2.4 Transport & Storage Conditions

The following conditions should be followed when transporting and storing the treatment and phlebotomy chairs.

- Chair set to lowest height
- Leg sections must be raised to the highest angle (parallel with the seat section)
- Backrest must be raised to the maximum angle (perpendicular to the seat)
- Cable, handset and wiring should be secured above the base
- Arms are to be fixed in the lowest position
- Brakes to be applied
- Leg extensions to be fully retracted
- The chair should be covered to protect from fluid ingress (if required)
- The chairs must not be stored one on top of another

Ambient temperature: -10°C to +50°C

Humidity: 20% - 90% at 30°C - not condensing

Atmospheric pressure: 800hPa to 1060hPa (Rated to operate at an altitude \leq 2000m)

3. SYMBOL DEFINITION



Warning



Do not sit on sections



Refer to instructions for use



Maximum patient weight



Safe working load



Place of Manufacture



W.E.E.E Label

(Do not discard in general waste, follow local recycling policy)



Type B Applied part



Class II

4. PARTS IDENTIFICATION

Treatment Chair - CHE03



Phlebotomy Chair - CHE04



1. Backrest

2. Padded arm rest

3. Split extending leg

4. Mobile base

5. Lift arms

6. Handset

7. Front fixed wheel

8. Extending leg

9. Leg section release handle

10. Main lift actuator and control box

11. Brake castor

12. Adjustable arm fixture

13. Phlebotomy tilt arm

14. Backrest release handle

5. PREPARING FOR USE

Warning



Before attempting to use the functions of the chair, ensure these instructions have been read and fully understood.

5.1 Positioning the Chair

- Clear the intended area for the chair of any obstructions and ensure the surface is level.
- Apply the brakes to the castors.

Warning



Ensure all cables are free from moving parts and are not under excessive tension.

5.2 Checking the Chair

Once the chair has been delivered and positioned, ensure the chair is checked before use:

- Ensure there is no obvious damage to the chair.
- Has all packaging been removed? e.g. cable ties/Velcro securing the platform sections.
- Ensure the chair and all accessories are at room temperature.
- Ensure the chair has been cleaned and disinfected (page 18).
- Ensure the cables are routed appropriately.
- Check all functionality of the chair in association with these instructions for use.

6. OPERATION OF THE CHAIR

6.1 General Safety

- Before the chair is in operation, ensure that obstacles such as side tables and other furniture are not causing an obstruction.
- Ensure the electrical cables are not in tension.
- Before operating the chair ensure the patient is positioned appropriately
- When a patient is left unattended ensure the chair is lowered to its minimum height.
- Ensure the chair is plugged into a suitable mains supply.

6.2 Brake System

The chair has 2 braked castors.

- To apply the brakes: Press the brake pedal down.
- To release the brakes: Lift the brake pedal up.

Warning

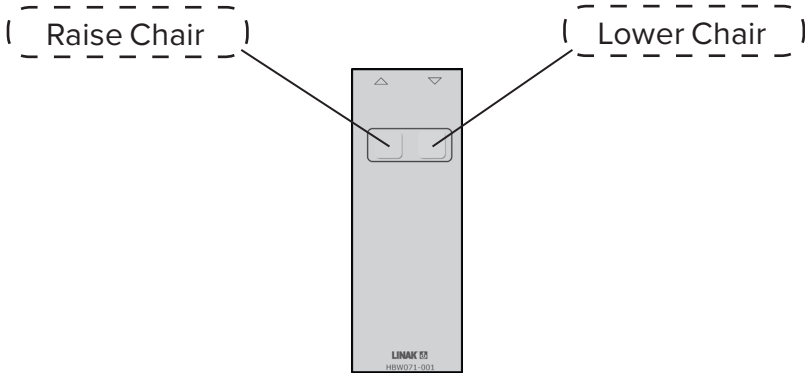


When the chair is in use ensure that both brakes on the castors have been applied.

6.3 Electrical Operation

The chair is supplied with an easy to use handset, the handset is intended to be operated by the carer only.

Before operating the handset, always inform the patient of the action about to take place.



- To raise the chair, press the left button on the handset indicated by the arrow pointing upwards. Keep the button depressed until the desired height is reached.
- To lower the chair, press the right button on the handset indicated by the arrow pointing downward. Keep the button depressed until the desired height is reached.
- The chair automatically stops when the maximum or minimum height is reached.

The chairs have an integral retractable handset holder on both sides of the backrest so that the handset can be stored when not in use.

Warning



- When the chair is in use ensure that both brakes on the castors have been applied.
- When the chair is in use ensure all limbs are clear of moving parts (patient and carer).

6.4 Operating the Leg Section Angle

Note: The following diagrams show the split leg variant, however the functionality is identical for the single leg.

Warning



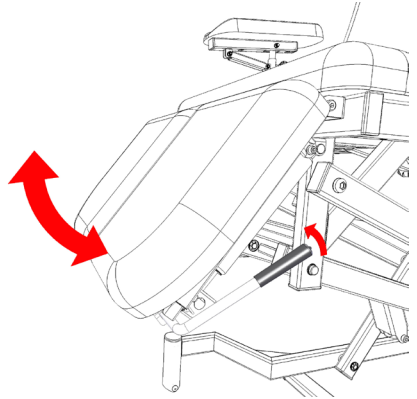
- With no load on the leg section it may move unexpectedly if the release handle is operated.
- With weight on the leg section it will need to be supported when adjusting as the lift mechanism is unlikely to lift the full load.

Caution



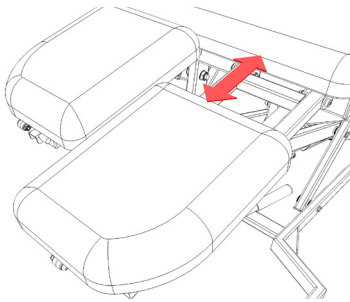
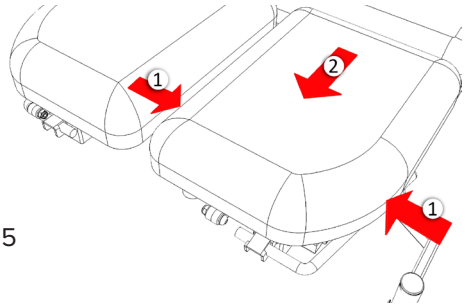
The leg section is not intended to be sat on, the chair can be damaged if this occurs.

- To modify the angle of the leg section, pull the release handle up towards the upholstered section of the leg. When the handle is squeezed, the lift mechanism will release and allow the leg to be positioned.
- Once the desired angle is achieved the handle must be released in order for the lift mechanism to lock in place.



6.5 Operating the Leg Extension

- Place both hands either side of the section (indicated by number 1 on the figure on the right) and pull the upholstered section in a parallel direction with the leg frame (2).
- The section will extend and lock in 5 pre-set positions.



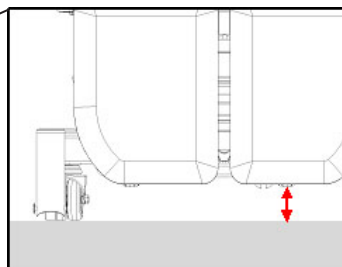
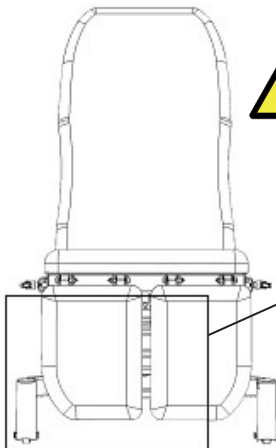
- In order to retract the leg section, push from the bottom of the upholstered section toward the leg pivot points.
- When the leg is fully retracted, there should be a final click of the ball detent and the platform will be able to go no further.

6.6 Leg Section Retraction and Minimum Height

The design of the leg section extension allows for retraction if lowered onto an obstruction. The minimum height when fully retracted (as indicated by the red arrow) is 58mm.

Warning

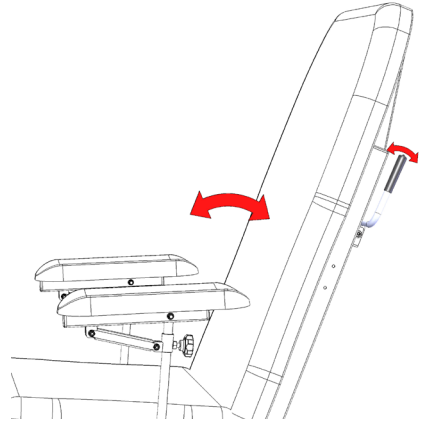
Care must be taken when operating the height adjustment of the chair, any obstructions must be removed and feet kept clear of the moving parts. The retraction of the legs is intended as a safeguard which gives the operator/ user a degree of warning as to any clashing obstructions.



6.7 Adjusting the Backrest Angle

The backrest (as with the leg sections) is supported by the use of a lift mechanism and can be adjusted to suit the patient.

- The release handle is located on the back of the backrest frame. Pull the release handle towards the upholstered section to release the lift mechanism.
- Keep the handle pulled in and adjust the backrest to the desired angle.
- Once the desired angle is achieved, release the handle to lock the backrest in position.



Warning



- Care must be taken when repositioning the angle of the backrest. Be sure there are no obstructions within the chair's footprint and inform the user before making adjustments to the angle.
- With no load on the backrest it may move unexpectedly if the release handle is pulled.
- With weight on the backrest it will need to be supported, the lift mechanism is unlikely to support the full load.

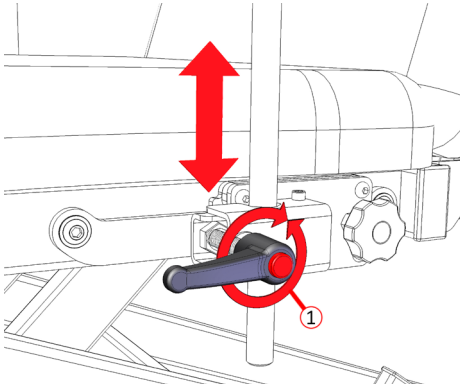
Caution



The backrest is not intended to be sat on, if it is damaged to the chair could occur.

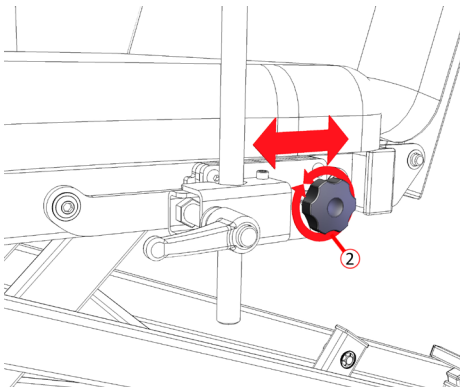
6.8 Operating the Arm Rail

The arm rail provides an amount of adjustability for the accessories that come with each treatment chair variant.



The handle is used to adjust the height of the arm/accessory.

- Loosen the handle to open up the aperture and allow the accessory shaft to fit between the jaws (making sure the shaft bridges between both walls of the jaws).
- Put the accessory in the desired position and rotate the handle clockwise to tighten.



The hand-wheel allows for the arm/accessory to be moved forwards and backwards.

- Release the slide unit by rotating the hand-wheel anti-clockwise, once loosened position the slide unit into the desired location.
- Turn the hand-wheel clockwise to secure the slide unit once in position.

Warning



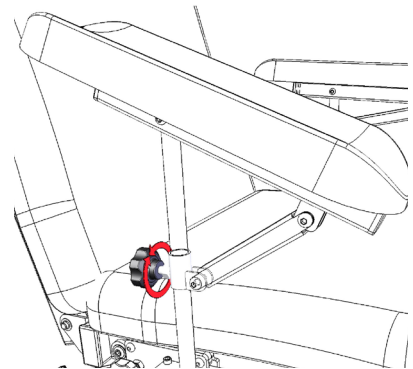
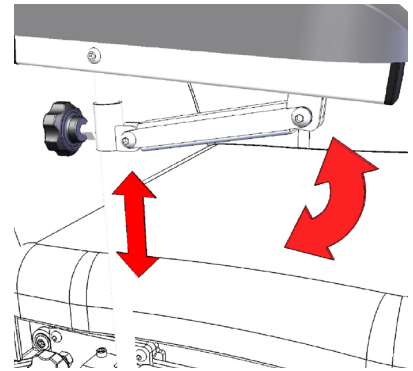
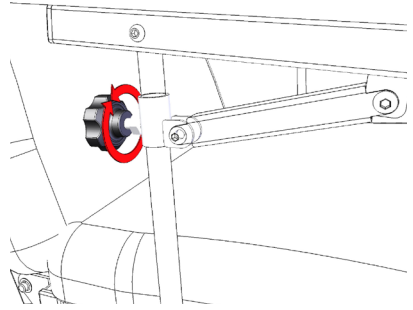
Handles/hand-wheels should be periodically checked to ensure they remain tight.

6.9 Operating the Tilt Arm (if supplied)

The following instructions are for use with the phlebotomy tilt arm (CHA04).

- Loosen the collar by turning the hand-wheel at the back of the component in an anti-clockwise direction.
- Once the hand-wheel is loosened, the collar will be able to move up and down which in turn changes the angle of the phlebotomy arm trough. When adjusting the angle, place one hand at the front of the phlebotomy trough and the other on the hand-wheel. Simultaneously push down/pull up on the front of the trough and the hand-wheel to reposition the angle.
- Once the desired angle is achieved, firmly tighten the hand-wheel at the back of the collar.

Note: the achievable angle of the arm trough is dependent on the height of the trough above the jaw clamp.



Warning

- Care must be taken when repositioning the angle of the phlebotomy arm.
- It is essential that the hand-wheel is tightened adequately before use to prevent unintentional movement.



Caution

The chair is never to be repositioned by pulling/pushing on the arms.



7. DECONTAMINATION

Infection control and routine cleaning must be carried out in accordance with your local infection control policy or regulatory body.

Warning



- It is advisable to remove any accessories that are fastened to the product.
- Always disconnect the product from mains before cleaning procedure (if applicable).

- All surfaces to be wiped down with a disposable soft cloth moistened with a mild detergent and diluted in warm water (40°C).
- The product should be cleaned by starting with the cleanest parts of the product and systematically moving to the dirtiest parts. Extra care should be taken around areas where excess dirt or dust may gather.
- The cloth should be changed during the cleaning process if it becomes soiled.
- Rinse down with clean water to remove detergent residue.
- Wipe surfaces down with 1,000 parts per million chlorine solution (0.1%).
- Dry off with a paper towel.

- (Fabric sections) - Some stains for example a ball point pen, dyes, blood etc. must be cleaned off immediately to prevent absorption into the fabric, resulting in permanent staining.
- Always ensure the cleaned parts are allowed to dry before putting any accessories back in place.

Note: If any of the 3 stages stated above (detergent, rinse down & chlorine solution) are omitted or combined it will reduce the effectiveness of the clean.

In cases of blood spills or other bodily fluid spills it is recommended that a chlorine solution of 10,000 parts per million (1%) is used instead. **Ensure fabric surfaces are rinsed with clean water after application.**

Note: Hospital disinfectant products can be used when diluted according to the manufacturer's instruction.

Note: The use of neat bleach or similar surface cleaners is not recommended as damage may be caused to the cleaned surfaces.

Alternatively:

Drive DeVilbiss Healthcare **Tristel** 'Fuse' sachets **Tristel** 'Jet' gel. Follow the product documentation for concentration guidelines and instructions for use.

Tristel Codes:

NHS Supply Chain Codes:

FUS/SUR/FRA (Fragranced) 1 x 40 sachets	FAL649 (Fuse for Surfaces Fragranced)
FUS/SUR/UNF (Unfragranced) 1 x 40 sachets	FAL650 (Fuse for Surfaces Unfragranced)
JET/HEAD 1 x JET Trigger Head	FAL688 1 x JET Trigger Head
JET/PACK/FRAG 1 x refill pack fragranced	FAL696 1 x refill pack fragranced
JET/PACK/UNF 1 x refill pack unfragranced	FAL697 1 x refill pack unfragranced

Drive DeVilbiss Healthcare also recommend the use of Chlor-clean tablets. Follow the product documentation for concentration guidelines and instructions for use.

Refer to the Drive DeVilbiss Healthcare infection control policy, copies are available from Drive DeVilbiss Healthcare Ltd. Contact details can be found on the back of this booklet.

8.MAINTENANCE

Only authorised service personnel or Drive DeVilbiss Healthcare service engineers should carry out repairs or service activities. For Service & Support outside of the UK & Northern Ireland please contact the local distribution company from where this equipment was purchased. Failure to do so may result in the manufacturer's warranty becoming void. **The chair must be serviced at least once yearly, as a minimum.** Drive DeVilbiss Healthcare also recommends the carer performs frequent visual and operational inspections. If there are any signs of damage, or if the chair is not performing as it should withdraw it from service until repaired and determined 'fit for use'.

Periodically check to ensure that:

- The chair operates as per its intended purpose.
- All parts are present.
- The frame is mechanically sound with no signs of cracked paint.
- No parts show signs of excessive wear.
- The chair is cleaned following the guidelines in this instructions for use.
- All welds are present and show no cracks or signs of failure.
- All electrical cables are in good condition.
- The electrical component housings are not cracked or damaged.
- The leg extensions still operate effectively.
- Check that all electrical functions operate correctly on the handset.
- Check that all electrical cables are in good condition.
- Check that the mains cable and plug are in good condition, if either is damaged it must be replaced as a complete assembly, the plug must never be re-wired.
- Check that all nuts, bolts and fasteners are tight and that none are missing or incomplete.
- Check that both the leg section, backrest, arm rails and arms operate effectively.
- Check the castors lock/unlock correctly and that when locked the castor does not move.

Disposal of components must comply with local policy.

Warning



- Always disconnect the chair from the main power supply prior to performing any maintenance procedures.
- No modification of this equipment is allowed.
- The chair should be vacant before performing any maintenance or visual inspections. If this is not possible due to the patient's mobility care should be taken for the service engineer not to make contact with the patient when working on electrical items.

Drive DeVilbiss Healthcare recommends that the list of 'checks' on the previous page are followed as a minimum when performing the annual service procedure.

For more detailed service information please refer to the service manual. Copies are available from Drive DeVilbiss Healthcare Ltd. Contact details can be found on the back of this booklet or at www.sidhil.com.

8.1 Fault Finding

Listed in the table are a set of faults that may occur within the service life of the treatment chair. If the fault is not listed please contact your supplier for further assistance.

If a fault does occur please try the following suggestions, as these may help in diagnosing the fault.

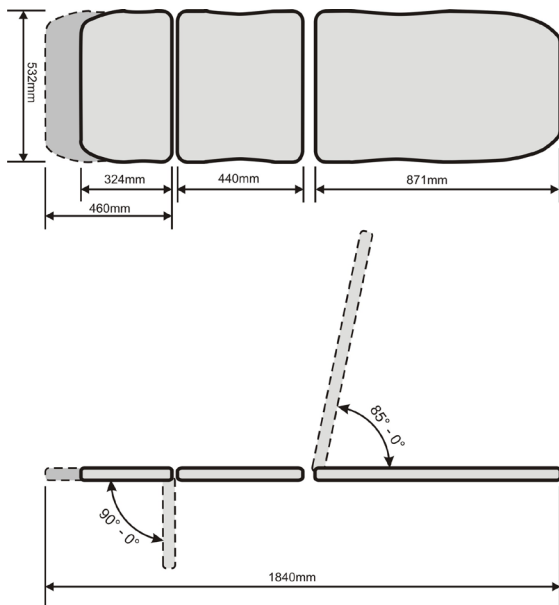
Fault	Possible Cause	Remedy
Electrical function(s) do not work.	Mains lead not plugged into the control box or wall.	Check to see if the 'power on' light on the control box is lit and that the mains lead is plugged in at both ends.
	Fuse has blown in the mains plug.	Check to see if the 'power on' light on the control box is lit, if not replace fuse.
	Actuator/handset leads not plugged in.	Check plug connections on the control box.
	Damage to mains cable, actuator cable or handset cables.	Turn off at the mains and contact your approved service engineer.
	Duty cycle exceeded.	Turn off at the mains and contact your approved service engineer.
	Chair overloaded.	Remove load.
Backrest/leg section does not raise or lower.	Lift mechanism/gas strut is faulty.	Contact your approved service engineer.
	Possible obstruction in way of backrest, leg section or gas strut.	Remove obstruction, operate leg section/backrest to ensure function is not compromised.

9. SPECIFICATION

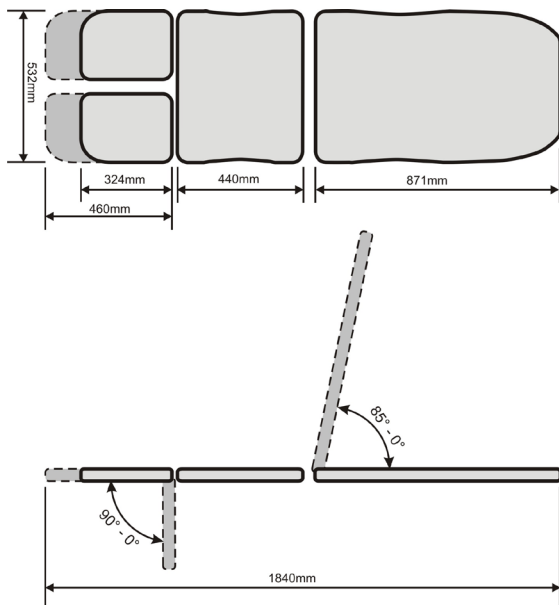
9.1 Chair Data

Overall extended length:	1840mm
Overall section width:	532mm
Seat section length:	440mm
Leg section length:	324mm
Backrest length:	871mm
Height range:	472mm - 874mm
Under chair clearance: (to underside of frame)	104mm
Under chair clearance: (to underside of cable bracket)	66mm
Leg configuration:	Extendable
Leg extension range:	136mm
Leg angle:	0-90°
Backrest angle:	0-85°
Safe working load:	177kg (28 stone)
Maximum patient weight:	160kg (25 stone)
Weight of chair:	65kg

Phlebotomy Chair - CHE03



Treatment Chair - CHE04



9.2 Electrical Data

Voltage in: 230V±10%, ~50/60Hz.
Current in: 1,25A
Mains cable fuse: 3-5A

*Duty cycle 10%
2 mins of continuous use followed by **18 mins** not in use.



*Electrically operated chairs are intended to be operated intermittently rather than continuously. If the chair is operated continuously for up to 2 minutes it must then be left for at least 18 minutes before re-use to allow the electrical system to cool sufficiently. **If the chair is continuously used for an extended period of time and it exceeds the duty cycle the control box may become temporarily disabled or irreparably damage.**

Electrical safety standards BS EN 60601-1: 2006

EMC BS EN 60601-1-2:2007

The Treatment Chair range are compliant to the requirements of 60601-1-2: 2007, the RF emissions are very low and are not likely to cause any interference to nearby electronic equipment, however interference to sensitive equipment is possible.

Qualified users of the Treatment Chair can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters). If the Treatment Chair or any alternative equipment is found to be operating abnormally mitigation measures are to be taken, such as the separation distances being increased and/or the products being re-orientated.

Electrical shock prevention:  

Liquid ingress protection IPX4

The electrical system is only suitable for use when:

Ambient temperature +5° to +40°C
Humidity 20% - 90% at 30°C

10. ACCESSORIES

CHA02 – Towel Rail

CHE04/306/COLOUR*/1 – Padded Arm Rest (* various colours available, please contact your supplier for colour options)

CHA04/1 – Phlebotomy Tilt Arm

Note: Characteristics of the towel rail can be found in the specific instructions for use. Use of the padded arm and phlebotomy arm can be found in these instruction for use.

11. WARRANTY

Drive DeVilbiss Healthcare Ltd guarantees this product is free from defects in material and workmanship under normal use for 3 years (1 year full for parts and labour, 2 further years for parts only) from the date of purchase from Drive DeVilbiss Healthcare Ltd, its subsidiary companies, authorised dealers and international distributors. Proof of purchase must be presented with any claim. Except as provided herein, Drive DeVilbiss Healthcare Ltd product warranty does not cover damage caused by misuse or abuse, accident, the attachment of any unauthorised accessory, alteration to the product, or any other conditions whatsoever that are beyond the control of Drive DeVilbiss Healthcare Ltd. Drive DeVilbiss Healthcare Ltd, its subsidiary companies, authorised dealers and international distributors shall have no liability or responsibility to the customer or any other person or entity with respect to any liability, loss or damage caused directly or indirectly by use or performance of the product or arising out of any breach of this warranty, including but not limited to any damages resulting from inconvenience, loss of time, property, revenue, or profit or any indirect, special, incidental or consequential damages, even if Drive DeVilbiss Healthcare Ltd, its subsidiary companies, authorised dealers or international distributors has been advised of the possibility of such damages.

In the event of a product defect during the warranty period you should contact your supplier, whether it be Drive DeVilbiss Healthcare Ltd, its subsidiary companies, authorised dealers or international distributors who will at their option unless otherwise provided by law; a) correct the defect by product repair without charge for parts and labour b) replace the product with one of the same or similar design or c) refund the purchase price. All replaced parts and products on which refund is made become the property of Drive DeVilbiss Healthcare Ltd. New or reconditioned parts and products may be used in the performance of the warranty service. Repaired or replaced parts and products are warranted for the remainder of the original warranty period. You will be charged for repair or replacement of the product made after the expiration of the warranty period.

This warranty does not cover; a) damage or failure by or attributes to acts of God, abuse, accident, misuse, improper or abnormal usage, failure to follow instructions, improper installation or maintenance, alterations, lightning or other incidences of excess voltage or current, b) any repairs other than those provided by a Drive DeVilbiss Healthcare Ltd authorised technician, c) consumables such as fuses, d) cosmetic damage, e) transportation, shipping or insurance costs or f) costs of product removal, installation setup, service adjustment or re-installation.

This limited 3 year warranty gives you specific legal rights and you may also have other rights.

Drive DeVilbiss Healthcare Ltd cannot be held responsible for any injury or incident which relates to the use of this chair in conjunction with accessories manufactured by companies other than Drive DeVilbiss Healthcare Ltd.

Drive DeVilbiss Healthcare has a policy of continual product improvement and reserves the right to amend specifications covered in this brochure.

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