

This user guide contains essential information in relation to safe use and maintenance and should be retained with the shower chair for reference

# AquaMaster

## Tilt in Space Range



## User Guide

Paediatric

18" and 21" models

# AquaMaster

## Tilt in Space Range

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These products have been designed to the highest standards with safety, strength and quality in mind.

Follow the recommendations in this guide to ensure maximum benefit from your shower commode chair.

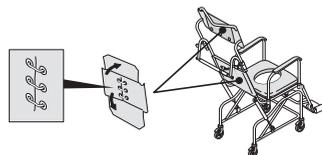
Your Chiltern Invadex shower chair has been designed and tested to meet the highest standards of safety. Read the safety section of this guide prior to use, this is contained on page 1.

# Safety Considerations



This section should be read and understood prior to use of the shower chair. Failure to adhere to the below can lead to serious injury. Should clarification of any point be required, please call Chiltern Invadex on 01869 365500 prior to use.

- The chair should be inspected upon delivery, any damage received in transit must be reported immediately to Chiltern Invadex
- The chair should be inspected prior to each use and should be removed from use immediately should any sign of damage be observed and a service call arranged.
- These products are designed for use as shower commode chairs, they are not intended to take the place of a wheelchair. As such, in order to maintain the safety of users and/or carers these products must not be used outdoors or to negotiate steps and stairs.
- Where the use of safety straps has been assessed and supplied, these must be used.
- The safe working load of 160kg (25 stone) must not be exceeded.
- The armrests must be used at all times when the chair is occupied.
- Footrests are designed for resting on, not for standing on, or full weight bearing.
- Check that castor fixings are secure prior to use.
- At all times when transferring onto the shower chair and when the chair is stationary, ensure brakes are in the on position.
- Where this shower chair has been specified to meet the needs of a specific user, it should not be used by any other person without a full assessment of risk by a competent person.
- Ensure that handwheels are tight before using the chair.
- Seat clips should be regularly checked for signs of damage, especially where seats are regularly removed. The chair should be removed from use immediately should any sign of cracking be observed.
- Where this shower chair has been custom made, it should only be used by the person for who it was assessed.
- Prior to tilting, ensure that hands and arms are inside the chair.
- Gas rams should be tested prior to each use, and the chair removed from use pending repair should a fault be identified.
- The backrest cover must be fully attached (clips and straps)



**Where there is any doubt as to the safety of the chair, it should be removed from use pending inspection by a competent person.**

# Using a Commode Pan

This is an optional accessory and is not supplied with the chair.

The AquaMaster Tilt in Space can be used with a commode facility, this can be fitted at anytime by the purchase of a commode pan cradle and commode pan.

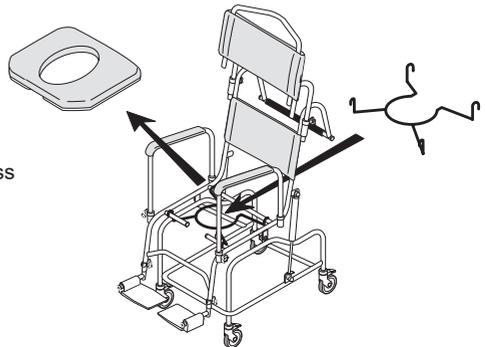


**Safety Note:** To avoid the risk of trapping, do not slide the commode pan on or off the rails whilst someone is sitting in the chair.

In order to fit the cradle the seat must be removed.

Release the seat clips by grasping the front of the seat and pulling up while holding down the armrest.

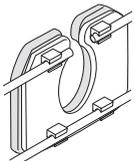
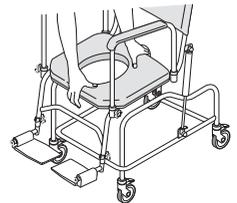
Fit the commode pan cradle onto the front and rear cross bars, as shown.



Snap on the seat ensuring correct orientation, centralise the seat in the frame.



Place one hand at the front of the seat and one hand at the rear (as shown above). This avoids the possibility of trapping fingers under the armrest



Tip the chair backward to visually check all clamps are secured.



Seat clips should be regularly checked for signs of damage, especially where seats are regularly removed. The chair should be removed from use immediately should any sign of cracking be observed.

Slide the commode pan onto the cradle from the rear of the chair.

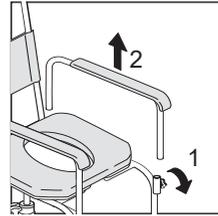


# Armrest Adjustment

Armrests have been designed to be adjustable to aid side transfer onto the chair. There are two armrest types, fixed and tip up.

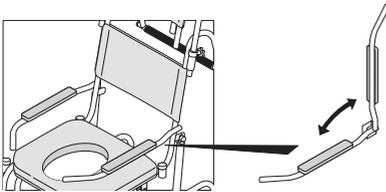
## Fixed armrests

- The armrests can be removed for easy transfer, as shown.
- To remove the armrest, loosen the hand wheel (1), lift the armrest upwards from the rear of the armrest pad (2).



## Tip up armrests

Tip up arm rests are permanently fixed to the frame and pivot upwards to enable easy access side transfer



**CAUTION: Armrests must always be placed back into position after the transfer has taken place.**



All transfers should be planned in advance in accordance with the necessary assessment of risk.

# Footrest Adjustment

The height of the footrests can be adjusted to provide maximum user comfort.

## Adjusting the height of the footrest

Footrest height should be adjusted to ensure the comfort of the user.

- Carefully remove the pin clips (one per side) that hold the footrest in place - loosen the threaded hand wheels on the rear of the framework to allow the foot rest assembly to be moved freely
- Move the footrest to the desired position ensuring that the final hole in the foot rest is not exceeded.

# Operating Instruction

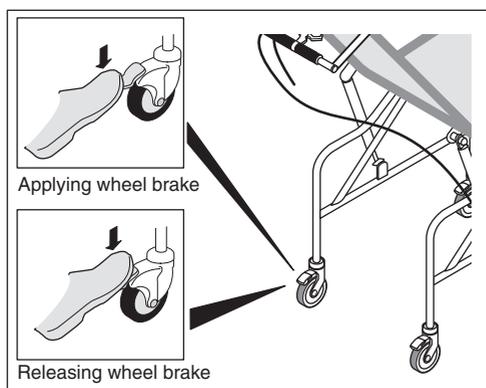
The Aquamaster tilting shower chair is simple to operate via a single rear mounted control lever fitted on the cross bar push handle, this operates the two stainless steel gas springs and ensures that it is light and easy to use. It has a safe working load of (160kgs) 25 stone.

To ensure the safety of both the end user and the carers, the braked castors should be checked for damage prior to each use and applied;

- during transfer onto and out of the chair
- at all times once the chair has reached its destination
- prior to recline/raising of the chair

Braked castors are indicated by a **GREY** or **RED** locking lever.

The brakes are applied/release as shown below;

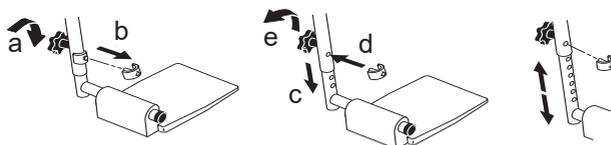


As an optional extra the chair can be fitted with a directional lock castor, this is indicated by a **GREEN** locking lever.

When applied (in the same manner as shown above) it is important to note that the directional lock is not a brake it will lock the chair into a straight steering position but will not prevent movement.

Please note: only one directional locking castor should be fitted to the chair, should more than one be observed this should be reported to the service/maintenance contractor.

Check that both sides of the foot rests are adjusted equally and carefully reinsert the pin clips to either side of the foot rest, ensuring that the clips pass through the framework and the foot rest is securely held in place, the threaded hand wheel is then tightened to prevent movement and provide a stable resting platform.



### Tilt and Recline

The Tilt in Space adjusts via its double powerful, high quality gas springs.

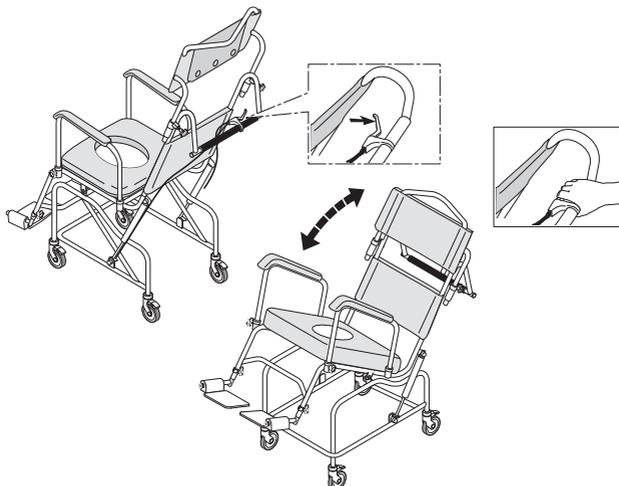
The use of twin gas springs rather than a single unit allows the chair clear access over a toilet but ensures it is correctly balanced and therefore stable and strong. The chair can be reclined using the easy to use handgrip in an infinite number of positions from 0 degrees until the chair reaches 30 degrees.



To reduce the risk of entrapment, prior to attempting any rearward recline ensure that hands and arms are on the armrests or inside the chair.

To recline the chair grip the lever firmly, as shown, and pull down on the handle until the required tilt is obtained. Release the lever and the chair tilt will be locked into position.

The chair is then raised by gripping the lever and gently pulling up on the chair handle allowing a controlled return to the level seated position, as per the lowering operation it can be stopped at any point during its upwards travel.



# Fitting the waist strap



**Important Safety Note:** an ill fitted or faulty waist strap can be extremely harmful. Before each use it is important to ensure that;

- the strap has been assessed as suitable for the user;
- the strap tension is such that there is no risk of the person in the seat slipping down and suffering positional asphyxiation or strangulation;
- the strap and fixing are in good condition to prevent the user falling out of the seat and being injured.

To attach the waist strap follow the below instruction;

Note that as the backrest of this style of chair is not removable the strap must be fastened around the backrest tube as shown in fig 1.

Fig 1.



Fig 2 shows the method of attaching the buckle. Take the loose end of the strap and feed it through one of the slots, pass the loose strap around the backrest tube (as fig 1.) and feed the loose end through the remaining slot. Pull tight. Repeat on the other side of the chair.

backrest tube must be in position within the loop prior to passing the loose end through the second slot

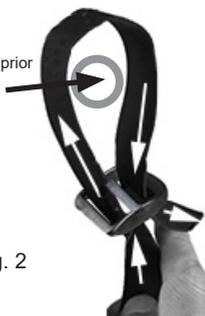


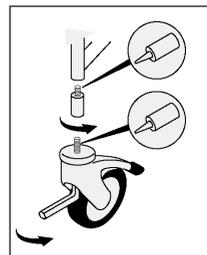
Fig. 2

The strap is designed for backrest fitment only and must not be attached to any other part of the chair.

## Changing the Seat Height

It is possible to increase the height of the AquaMaster shower chair by 1" or 2". This is done through the addition of leg extension pins which fit between the chair frame and the castors.

Due to the risk associated with improper installation, this adjustment must only be carried out by a competent person. For details please contact your equipment provider or Chiltern Invadex.



## Cleaning and Maintenance

It is recommended that your shower chair is serviced at least annually by Chiltern Invadex or an authorised, competent service agent. Where the chair is maintained by a loan store, the shower chair should be fully serviced, prior to re-issue. A full service manual is available on request.

Chairs should be inspected upon receipt to ensure that there is no transit damage. Any damage should be reported to the equipment provider and the chair should not be used until the damage has been rectified.

Regularly inspect all parts of the chair for defects. Security of armrest, backrest, seat and wheels should be checked prior to each use. Where defects are identified the chair should be removed from use pending repair.

The gas rams should be regularly inspected for visual signs of damage and should be tested prior to use.

### Cleaning Seats

Seats are Ambla fabric which is resistant to most mild acids, alkalis, drinks and household stains. Clean with a damp soapy cloth and rinse well with clean water. Do not use solvents, bleaches\*, abrasives, synthetic detergents, wax polishes or aerosol sprays. Disinfectants may be used in dilution as specified by their manufacturers.

\*Chlorine releasing agents – levels of 1 – 10000 parts per million should pose no problems as long as the material does not endure long soakings at the higher concentrations. Rinse well with clean water. These include Haz-Tabs and other disinfectants commonly used in hospital infection control programmes.

### Anti-microbial coatings

Both seats and frames contain anti-microbial coatings, these take the form of a silver anti-microbial additive which is integral to the frame coating and the seat upholstery, as such these are incredibly effective and will not deteriorate due to cleaning processes

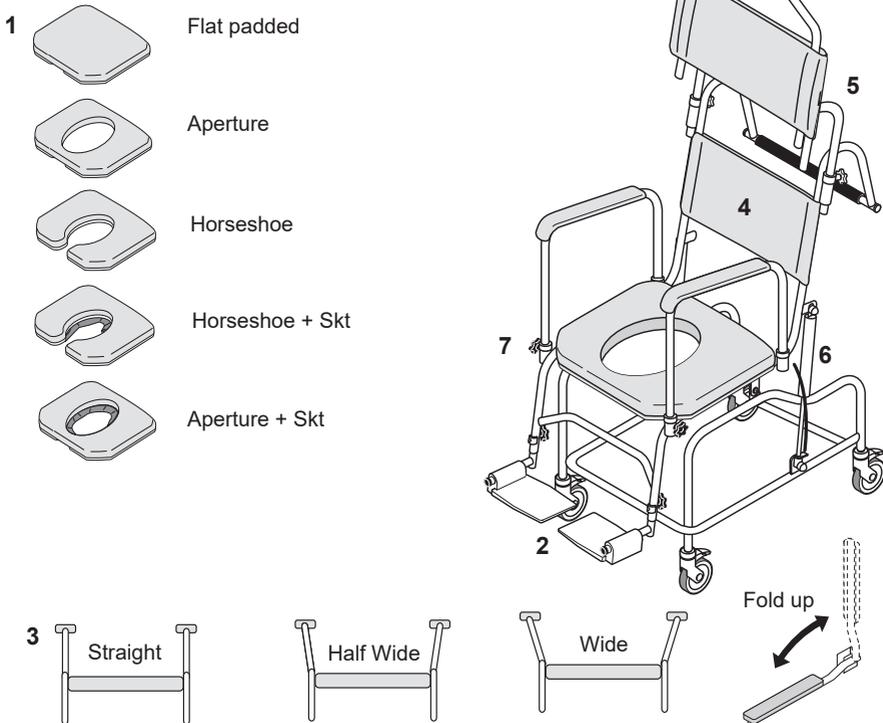
Dry off the shower chair after use.

Do not oil or grease any parts.

Keep the castors free from limescale, soap residue and hair by cleaning after use in the shower.

# Spare Parts - All models

The following pages provide details of the most commonly requested parts, other replaceable parts are available, please contact us for details on 01869 365500 or at sales@chilterninvadex.co.uk .



Item	Description	Part number
1	<b>Seats</b> (see page 10 for horseshoe & aperture sizing guidance)	
	<b>Paediatric Seats</b>	
	Paediatric seat flat padded	211-01000
	Paediatric small horseshoe	211-01001
	Paediatric small aperture	211-01005
	<b>18" Seats</b>	
	18" Seat flat padded	211-01000
	18" Medium horseshoe	211-01001
	18" Extended medium horseshoe	211-01005
	18" Large horseshoe	211-01002
	18" Extended large horseshoe	211-01006

# Spare Parts - All models

Item	Description	Part number
<b>1</b>	<b>Seats</b> (see page 10 for horseshoe & aperture sizing guidance)	
	18" Medium aperture	211-01003
	18" Large aperture	211-01004
	18" Medium horseshoe skirted	211-01007
	18" Large horseshoe skirted	211-01008
	18" Medium aperture skirted	211-01009
	18" Large aperture skirted	211-01010
	18" Extended medium horseshoe skirted	211-01011
	18" Extended large horseshoe skirted	211-01012
	<b>21" Seats</b>	
	21" Seat flat padded	213-01000
	21" Large horseshoe	213-01002
	21" Extended large horseshoe	213-01006
	21" Large aperture	213-01004
	21" Large horseshoe skirted	213-01008
	21" Large aperture skirted	213-01010
	21" Extended large horseshoe skirted	213-01012
<b>2</b>	<b>Footrests</b>	
	Paediatric LH assembly	CHCS200LA-1
	Paediatric RH assembly	CHCS200RA-1
	LH assembly	CHCS500LA-1
	RH assembly	CHCS500RA-1
<b>3</b>	<b>Armrests</b>	
	Paediatric straight (pair)	CHCS3001-P
	Paediatric 1/2 wide (pair)	CHCS3002-P
	Paediatric wide (pair)	CHCS3003-P
	Straight armrest (pair)	CHCS3001
	1/2 Wide armrest (pair)	CHCS3002
	Wide armrest (pair)	CHCS3003
	Tip up armrest (pair)	CHCS005GREY
	Armrest pad	201-00066

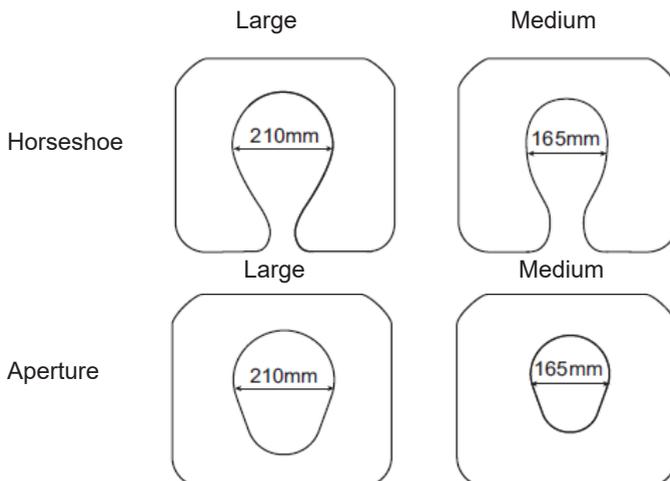
# Spare Parts - All models

Item	Description	Part number
<b>4</b>	<b>Backrest</b>	
	Backrest fabric	201-00019
	Cable ties	002-00006
	E-clip	002-00010
<b>5</b>	<b>Headrest</b>	
	Paediatric headrest	CHCS3053-P
	18" Standard (shown)	CHCS3053
	18" In-line (not shown)	CHCS3054
	21" Standard (shown)	CHCS3055
	21" In-line (not shown)	CHCS3056
	Headrest fabric	201-00019
	Cable ties	002-00006
	E-clip	002-00010
<b>6</b>	Gas ram assembly	CH0524
<b>7</b>	M8x15 handwheel	CH0208

Should you require a part which is not shown or require an engineer to fit parts please contact us on 01869 365500 or at [sales@chilterninvadex.co.uk](mailto:sales@chilterninvadex.co.uk) .

## Seat Sizing Guidance

The required width is the distance between the armrests 18" or 21". The illustrations show dimensions of medium and large horseshoe and aperture seats. Paediatric in one size only.



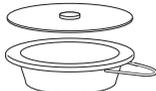
# Accessories

For Paediatric accessories please contact us.



## Commode pan round

201-00147 Round pan  
211-00513 Pan cradle



## Commode pan oval

201-00144 Oval pan  
211-00545 Pan cradle

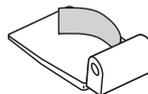
## Footrests with toe straps



Used instead of standard footplates. Prevents involuntary movements and protects the user/carer against injury.

211-00523 Left hand\*  
211-00522 Right hand\*

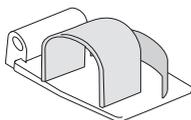
## Footrests with heel straps



Provides additional support for feet. Prevents the user from slipping off the back and falling forwards.

211-00521 Left hand\*  
211-00520 Right hand\*

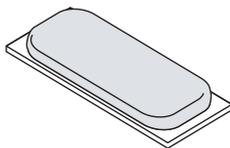
## Footrests with heel straps/toe straps



Provides total support of feet against involuntary movement

211-00525 Left hand\*  
211-00524 Right hand\*

## Padded foot tray



Soft padded support to suit sensitive feet. Clips over standard footplates.

201-00136 450mm (18")  
203-00049 525mm (21")

## Waist strap



Supports the waist and prevents involuntary movement of upper body/accidentally slipping out of chair.

201-00113 Velcro 18"  
203-00046 Velcro 21"  
201-00085 Buckle 18"  
203-00014 Buckle 21"

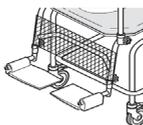
## Full support harness



Prevents involuntary movement of upper body/accidentally slipping out of chair.

CH0072 to suit all chairs

## Calf strap



Attaches around both footrest holders. Provides support to the lower leg.

CHCS50ST to suit all chairs

## Thoracic supports



Provides lateral support to the users trunk (adjustable)

CHCS3040-1 Pair  
CHCS3041-1 Left hand\*  
CHCS3041-1 Right hand\*

# Accessories

## Pommel



Fitted to the front of an aperture seat, the Pommel reduces the risk of clients sliding off the seat.

201-00140 Medium aperture

## Channel armrest



Fitted instead of standard armrests to provide greater support to the users forearm

CHCS3060 all models

## Clip on side pads



Provides extra padded side support  
25/50/75mm thickness options

CHCS3082 25mm (1")  
CHCS3081 50mm (2")  
CHCS3080 75mm (3")

## Mesh head support



Fabric only - to recover existing head support

CHCS50ST all models

## Adjustable head support



Provides padded support for the users head (fully adjustable to suit)

CHCS3050 all models

## X Shaped head support



Provides padded support for the users head (fully adjustable to suit)

CHCS3052 all models

## Full height backrest fabric - mesh



Fabric only - to recover existing backrest

CH0074 all models

\* LH and RH are as sat in chair.

Should you require a part which is not shown or require bespoke parts please contact us on 01869 365500 or at [sales@chilterninvadex.co.uk](mailto:sales@chilterninvadex.co.uk)

For Paediatric accessories please contact us.

# Warranty

Your Chiltern Invadex Shower Chair carries a 12 month warranty from the date of purchase, subject to the following conditions;

1. Should you experience any problems with our workmanship or materials within the first 12 month period please contact your point of purchase.
2. Repairs made during the warranty period will be carried out free of charge, provided the product has been used strictly in accordance with the guidelines set out in this user guide.
3. Our warranty does not cover replacements, adjustments or repairs which may be required as a result of normal wear and tear, wilful or accidental damage, misuse, neglect or any other cause which is beyond the control of Chiltern Invadex.
4. Modifications and repairs made to this product by unauthorised persons will render the warranty void.
5. Only parts manufactured or approved by Chiltern Invadex shall be used to repair this product. Use of unauthorised parts will invalidate all warranties and remove all liability from Chiltern Invadex for the safety of this product.
6. Chiltern Invadex shall in no event be liable for any damages, costs or expenses arising from any claim made under this warranty (save for any legal liability of Chiltern Invadex for death or personal injury resulting from the company's negligence in respect of its products).
7. This warranty does not affect your statutory consumer rights.

The below space can be used to store details of your maintenance contractor, if the equipment has been provided by a third party for example the Local Authority loan store, this information will be available from them.

Contractor name: \_\_\_\_\_

Contact number: \_\_\_\_\_

Account number: \_\_\_\_\_

Serial number: \_\_\_\_\_

# AquaMaster

## Tilt in Space Range



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