

ARJOHUNTLEIGH

GETINGE GROUP

Parker

INSTRUCTIONS FOR USE



CE
0086

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Contents

| | |
|--|-----------|
| Foreword..... | 4 |
| Intended Use..... | 5 |
| Safety Instructions | 6 |
| Preparations..... | 7 |
| Parts Designation..... | 8 |
| Control Panel | 10 |
| Hand Controls | 11 |
| Product Description/Functions | 12 |
| Drain control knob | 12 |
| Fill function | 12 |
| Auto fill function (option)..... | 12 |
| Scalding protection..... | 12 |
| Temperature display..... | 12 |
| Emergency stop | 12 |
| Shower handle | 12 |
| Functions lock | 14 |
| Door lock | 14 |
| Air Spa™ (option)..... | 14 |
| Sound & Vision® (option)..... | 14 |
| Disinfection unit (option)..... | 16 |
| Battery back-up | 16 |
| Head cushion, Back support cushions and Leg rest (accessories)..... | 16 |
| Operating Instructions..... | 18 |
| Fill the foot well with water | 18 |
| Bathing the resident | 18 |
| Shower the resident | 20 |
| Air Spa..... | 22 |
| Sound & Vision..... | 22 |
| Ending the bathing cycle | 24 |
| Disinfect bath after each resident..... | 24 |
| Using a Standing & Raising Aid with <i>Parker</i> ® | 26 |
| Resident transfer from Sara 3000™ to <i>Parker</i> | 26 |
| Using a Ceiling lift with <i>Parker</i> | 28 |
| Resident transfer from a ceiling lift to <i>Parker</i> | 28 |
| Disinfection Instructions | 30 |
| Care and Preventive Maintenance..... | 44 |
| Troubleshooting | 50 |
| Technical Specifications | 52 |
| Labels on the <i>Parker</i> | 56 |
| Approvals and List Standards | 58 |
| Electromagnetic Compatibility..... | 59 |
| Parts and Accessories | 63 |
| ArjoHuntleigh Addresses | Last page |

Foreword

Thank you for purchasing ArjoHuntleigh Equipment.

Your *Parker* is part of a series of quality products designed especially for hospitals, nursing homes and other health care uses.

We are dedicated to serving your needs and providing the best products available along with training that will bring your staff maximum benefit from every ArjoHuntleigh product.

Please read this *Instructions for Use* thoroughly!

Please read this *Instructions for Use (IFU)* in its entirety before using your *Parker* bathing system. Information in this *IFU* is crucial to the proper operation and maintenance of the equipment, will help protect your product, and ensure that the equipment performs to your satisfaction. Some of the information in this *IFU* is important for your safety and must be read and understood to help prevent possible injury.

ArjoHuntleigh strongly advise and warn that only ArjoHuntleigh designed parts, which are designed for the purpose, should be used on equipment and devices supplied by ArjoHuntleigh, to avoid injuries or malfunctions caused by the use of inadequate parts.

Unauthorized modifications on any ArjoHuntleigh equipment may affect its safety. ArjoHuntleigh will not be held responsible for any accidents, incidents or lack of performance that occur as a result of any unauthorized modification to its products.

Service and Support

A service routine has to be done to your *Parker* to ensure the safety and operating procedures of your product. See chapter, *Care and Preventive Maintenance*.

If you require further information, please contact ArjoHuntleigh for comprehensive support and service programs to maximize the long-term safety, reliability and value of the product.

Contact ArjoHuntleigh for replacement parts. Contact information appears on the last page of this *IFU*.

Definition in this *IFU*:

WARNING

Means:

Safety warning. Failure to understand and obey this warning may result in injury to you or to others.

CAUTION

Means:

Failure to follow these instructions may cause damage to all or parts of the system.

NOTE

Means:

This is important information for the correct use of this system or equipment.



Means:

The name and address of the manufacturer.

Intended Use

This equipment must be used in accordance with these safety instructions. Anyone using this equipment must also have read and understood the instructions in this *Instructions for Use (IFU)*. If there is anything you do not completely understand, ask your ArjoHuntleigh representative.

This bath is intended for assisted bathing and showering of adult residents in care facilities (excluding use at home).

Parker must be used by appropriately trained caregivers with adequate knowledge of the care environment, its common practices and procedures, and in accordance with the guidelines in the *Instructions for Use (IFU)*.

Any other use is prohibited. The bath should only be used for the purpose specified here.

Resident assessment

We recommend that facilities establish regular assessment routines.

Caregivers should assess each resident according to the following criteria prior to use:

- The resident's weight should not exceed 210 kg / 463 lbs (Max Patient Weight).
- Active and semi-active residents (i.e. able to sit upright self supported on the side of a bed or toilet) can use the bath. Correct transfer equipment shall be used, if needed.
- Residents with no capacity to support themselves at all (i.e. able to sit upright with support) can use the bath, only with a ceiling and a 2-point spreader bar with loop sling for transfer and bath.
- The resident should have the ability to understand and respond to instructions, or have limited physical capacity to move, to ensure a safe position during the bathing procedure.

If a resident does not meet these criteria an alternative equipment or system shall be used.

Indication for Use

To relieve pain and itching and as an aid in the healing process of inflamed and traumatized tissue, and it serves as a setting for removal of contaminated tissue.

Installation & Service requirements

The *Parker* must be installed by appropriately trained personnel according to the *Assembly and Installation Instructions*, requirements in the *Assembly and Installation Instructions* can only be superseded by local code.

The expected life of this equipment, unless otherwise stated, is ten (10) years, subject to preventive maintenance being carried out in accordance with the instructions for *Care and Preventative Maintenance* found in this *IFU*.

Safety Instructions

WARNING

To avoid injury to both resident and caregiver, never modify the equipment or use incompatible parts.

WARNING

To avoid explosion or fire, never use the equipment in oxygen rich environment, in presence of heat source or flammable anaesthetic gases.

WARNING

To avoid electric shock, never use other electrical equipment near this device.

WARNING

To avoid injury, ensure that the resident is not left unattended at any time.

Preparations

Site preparations

Prior to installation of *Parker* bath the floor and walls within the required area must be finished.

Material: The floor should be made of a slip-resistant material, free of bumps.

Floor Slope: When using a floor drain, the slope towards the drain should not exceed 1:50.

Floor attachments: The floor construction must be suitable for anchoring the bolts

Actions before first use

- 1 Visually check the package for damage. If the product looks damaged due to freight, make a complaint to the transport agency.
- 2 The packaging should be recycled according to local regulations.
- 3 Install the *Parker* by qualified personnel. See *Assembly and Installation Instructions*.
- 4 Check that all parts of the product are supplied. Compare with the Parts Designation page in this *IFU*. If any part is missing or damaged - do NOT use the product.
- 5 Unpack the hand control(s) from the plastic.
- 6 Read the *IFU*.
- 7 Disinfect the product according to the *Disinfection Instructions* in this *IFU*.
- 8 Perform a functionality test. See *Care and Preventive Maintenance*.
- 9 Choose a designated area, where the *IFU* should be kept and is easily accessible at all times.

10

WARNING

To prevent scalding, make sure that the water mixer has been calibrated. Confirm that responsible organization has established calibration routines.

Make sure the *Parker* thermostatic mixer has been calibrated according to the *Assembly and Installation Instructions* by qualified personnel or an ArjoHuntleigh technician.

- 11 Make sure to have a rescue plan ready in case of a resident emergency.
- 12 If you have any questions, please contact your local ArjoHuntleigh representative for support and service. The contact numbers appear on the last page of this *IFU*.

Actions before every use

- 1 Check that all parts are in place. Compare to the *Parts Designation*.
- 2 If any part is missing or damaged - do NOT use the product.

3

WARNING

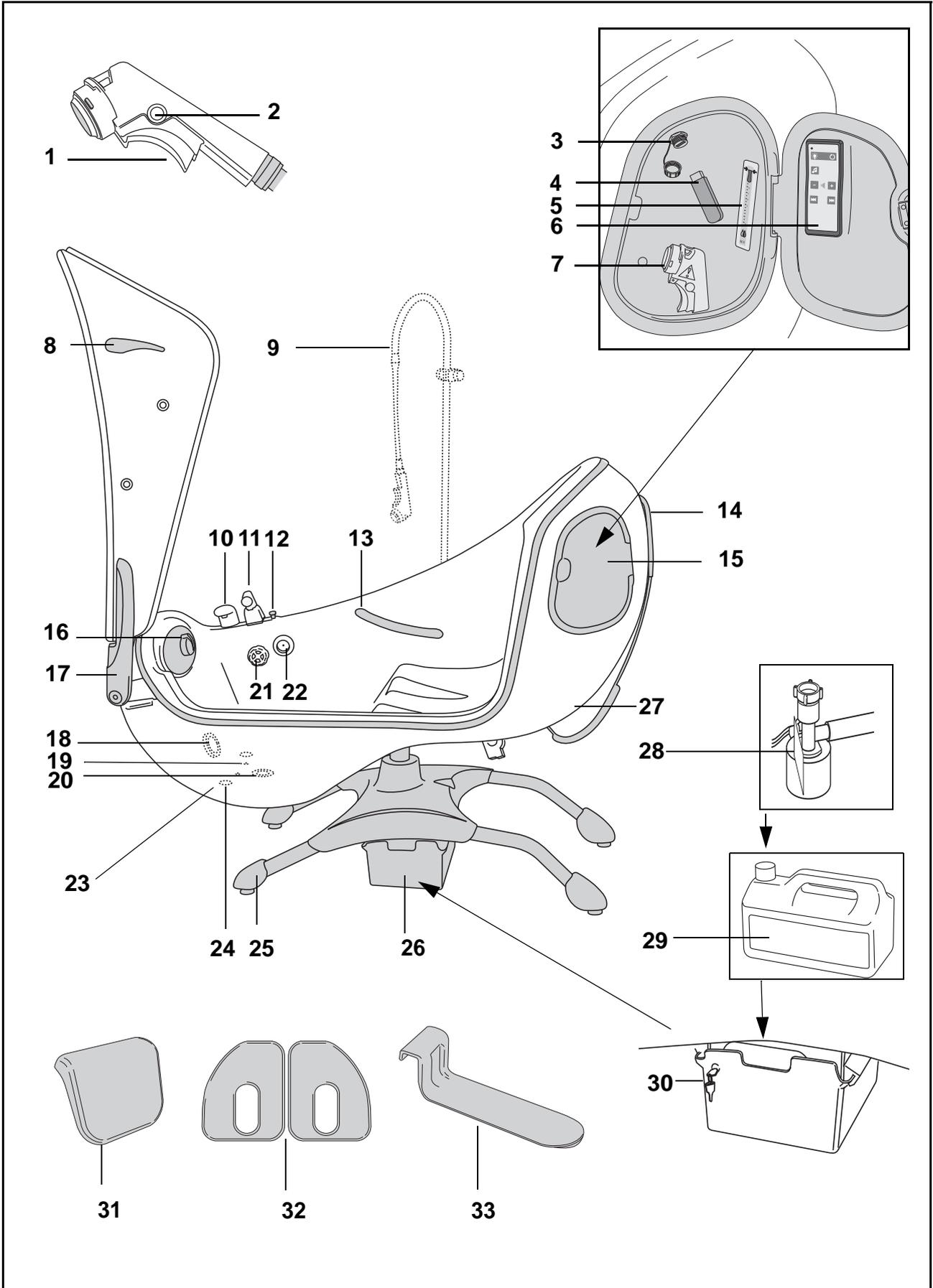
To prevent cross-contamination, always follow the disinfection instructions in this *Instructions for Use*.

Parts Designation

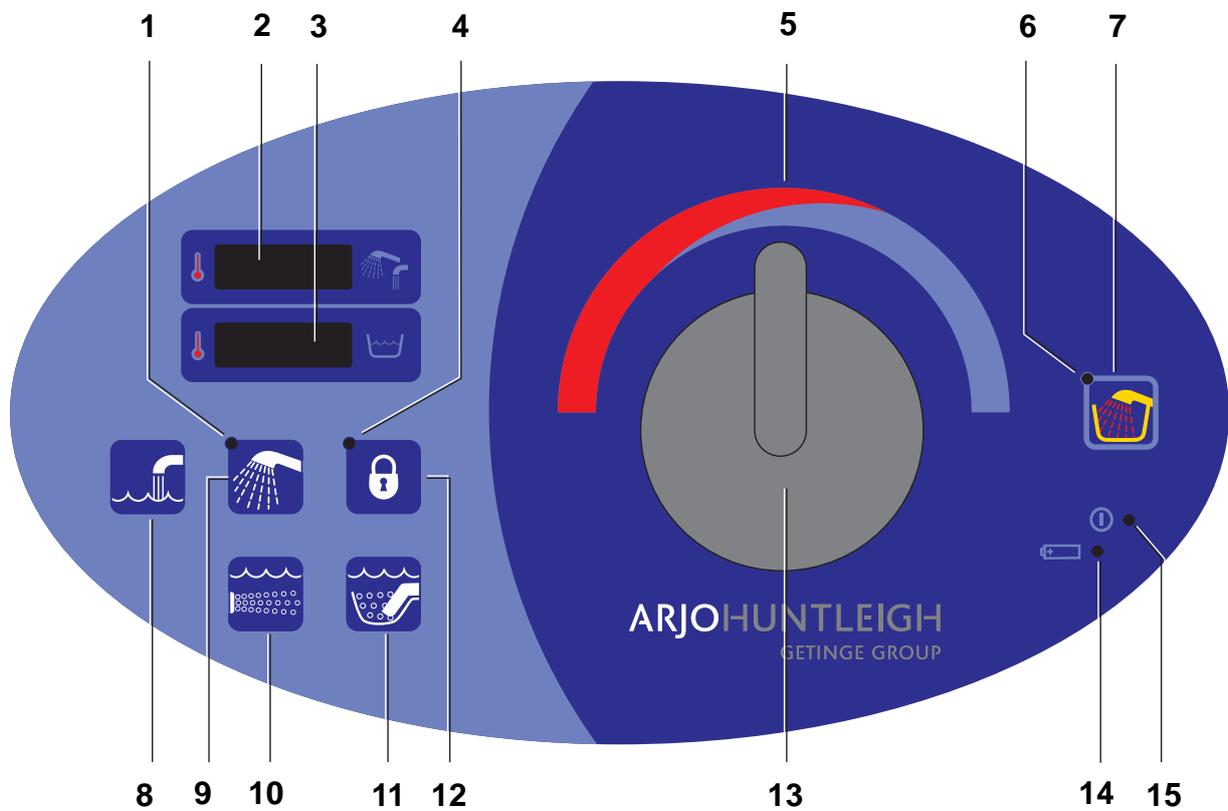
- | | |
|--|--|
| 1 Trigger handle | 21 Drain control knob with built-in surface overflow outlet |
| 2 Lock button | 22 Disinfectant/Rinsing Inlet (with Air Spa option) |
| 3 USB connection (with Sound & Vision option) | 23 Tub  |
| 4 USB memory stick (with Sound & Vision option) | 24 Air Spa outlets (9) (with Air Spa option) |
| 5 Disinfectant flowmeter (with Disinfection option) | 25 Height adjustable feet |
| 6 Sound & Vision hand control (with Sound & Vision option) | 26 Compartment for disinfectant bottle (with Disinfection option) |
| 7 Disinfection spray handle (with Disinfection option) | 27 Sound & Vision speakers (with Sound & Vision option) |
| 8 Door lock handle | 28 Disinfection suction part (with Disinfection option) |
| 9 Shower stand (for GB only) | 29 Disinfectant bottle (3 litre) (with Disinfection option) |
| 10 Filling spout | 30 Lock keys for disinfectant compartment (with Disinfection option) |
| 11 Shower holder / shower handle | 31 Head cushion (Accessory) |
| 12 Emergency stop button | 32 Back support cushions (Accessory) |
| 13 Grab handle | 33 Leg rest (Accessory) |
| 14 Hand control | |
| 15 Cover (with Disinfection and/or Sound & Vision option) | |
| 16 Control panel | |
| 17 Door hinge | |
| 18 Sound & Vision light (with Sound & Vision option) | |
| 19 Water sensory knobs (3 knobs) | |
| 20 Drain | |



Type B Applied part.
Degree of Protection -
Electrical shock



Control Panel



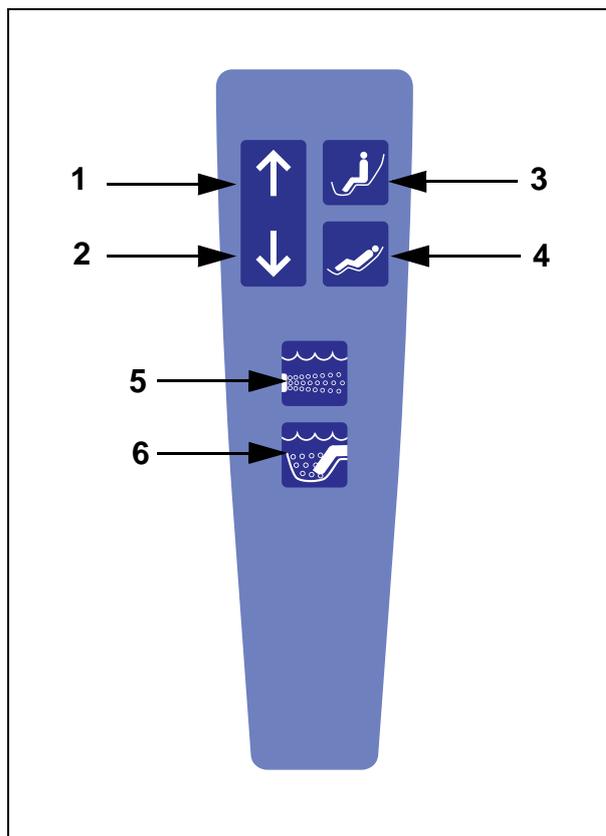
Parker

- | | |
|---|--|
| 1 LED for shower indication | 8 Fill ON/OFF (Auto fill option) |
| 2 Filling water and Shower temperature display with scalding protection | 9 Shower ON/OFF |
| 3 Bath water temperature display with scalding protection. | 10 Air Spa - whole tub ON/ Intensity/OFF (option) |
| 4 LED, lock function indicator | 11 Air Spa - foot well ON/ Intensity/OFF (option) |
| 5 Mixing gradient | 12 Function lock ON/OFF |
| 6 LED, ON/OFF disinfectant indicator (option) | 13 Knob for water temperature adjustment |
| 7 Disinfection ON/OFF (option) | 14 LED, battery back-up indicator |
| | 15 LED, mains indicator |

Hand Controls

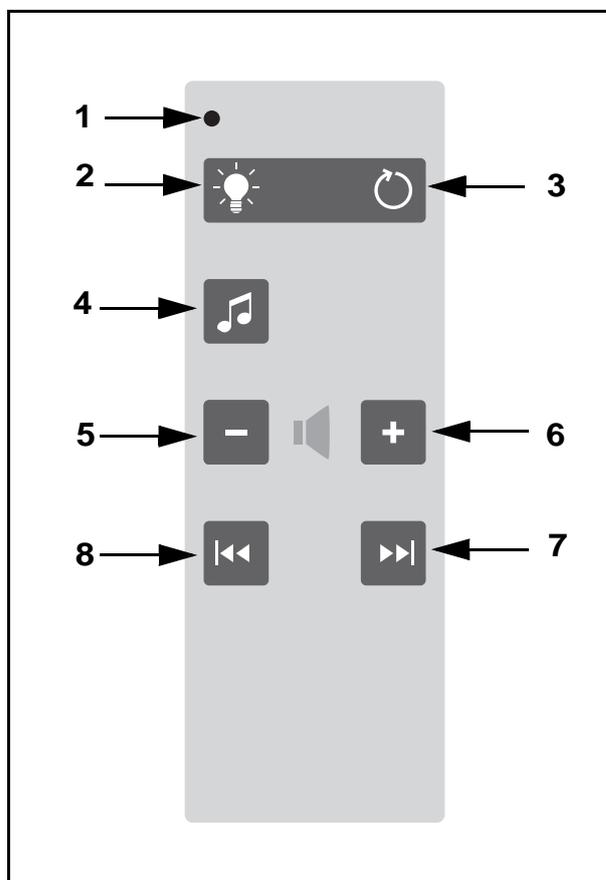
Parker Hand Control

- 1 Raise bath
- 2 Lower bath
- 3 Tilt bath to upright position
- 4 Tilt bath to reclined position
- 5 *Air Spa* - whole tub ON/ Intensity/OFF (option)
- 6 *Air Spa* - foot well ON/ Intensity/OFF (option)



Sound & Vision Hand Control (option)

- 1 LED - activity indicator
- 2 *Sound & Vision* Light - ON/OFF
- 3 Automatic light colour change - ON/OFF
- 4 MP3 player ON/PAUSE
- 5 Reduce (-) volume.
- 6 Increase (+) volume
- 7 MP3 track forward
- 8 MP3 track reverse



Product Description/Functions

Drain control knob

The drainage plug opens and closes by turning the drain control knob in the bath tub. (See Fig. 1)

- Open - Turn Clockwise.
- Close- Turn Counter Clockwise.

The drain control knob is also equipped with a built in surface overflow outlet to prevent water from overflowing the tub.

Fill function

- Press the  tub filling button to start filling the footwell or the whole tub. (See Fig. 2)
- Press the  tub filling button again to stop the filling. (See Fig. 2)

Auto fill function (option)

A *Parker* equipped with auto fill function, pre-fills the footwell. (See Fig. 2)

- Activate it by pressing the  auto fill button.
- Once the filling level is reached it stops by itself.
- Press the  auto fill button again and filling continues for another 60 seconds.
- Stop filling at any time by pressing the  auto fill button.

Scalding protection

If a dangerous temperature level of 45°C (113°F) is reached, the electronic scalding protection shuts off the water after 10 seconds.

- **Activated scalding protection:** a yellow flashing light and a beeping sound on both temperature displays.

If scalding protection turns on, get the resident out safely. Stop using the bath and contact an ArjoHuntleigh service technician.

Temperature display

The *Parker* has two temperature displays: (See Fig. 3)

- **Top temperature display:** shows the active filling or shower temperature. If filling or shower is not turned on, the display shows “_ _ . _”
During disinfection the display shows the temperature of the disinfectant mixture.
- **The bottom temperature display:** shows the current bath tub water temperature.

Emergency stop

- Press the emergency stop button, to stop all functions. (See Fig. 4)
- To release the emergency stop button, turn it clockwise. (See Fig. 4)

If the emergency stop button was used due to an equipment error, stop using the bath and contact an ArjoHuntleigh technician.

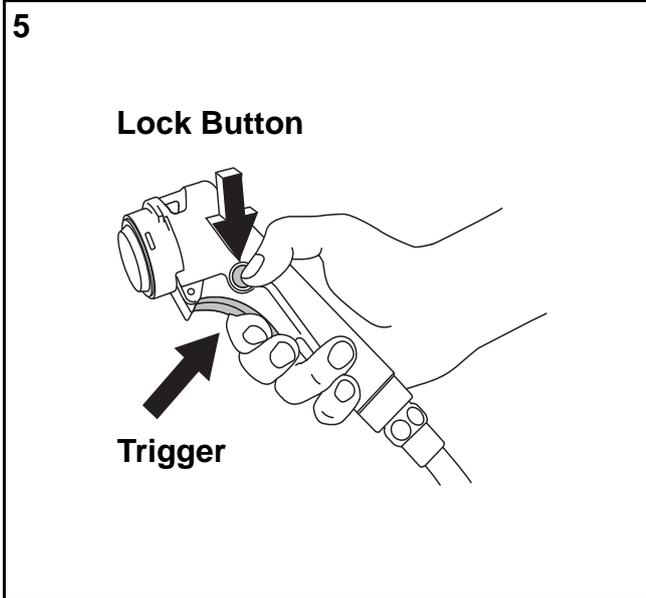
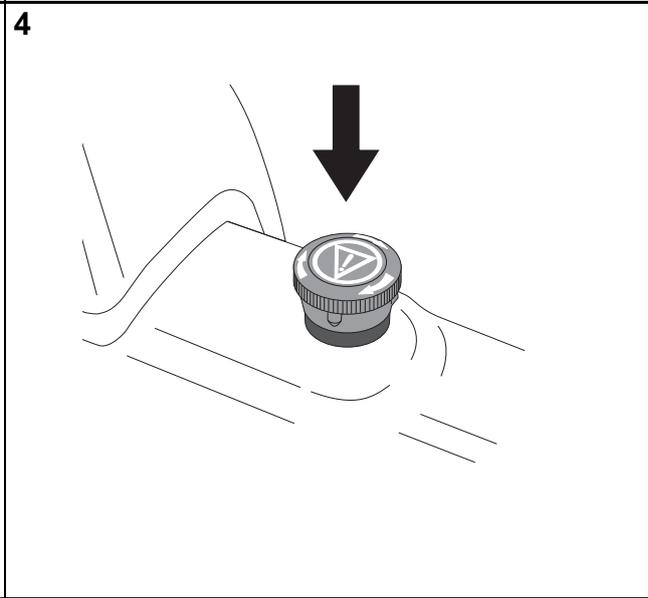
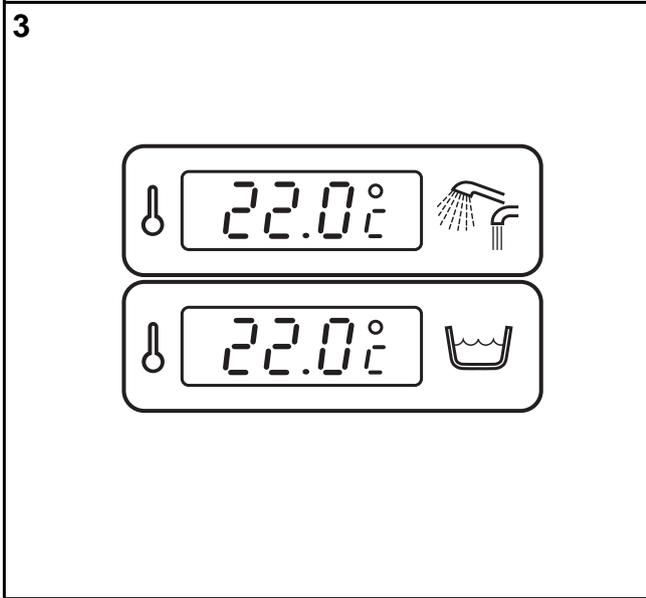
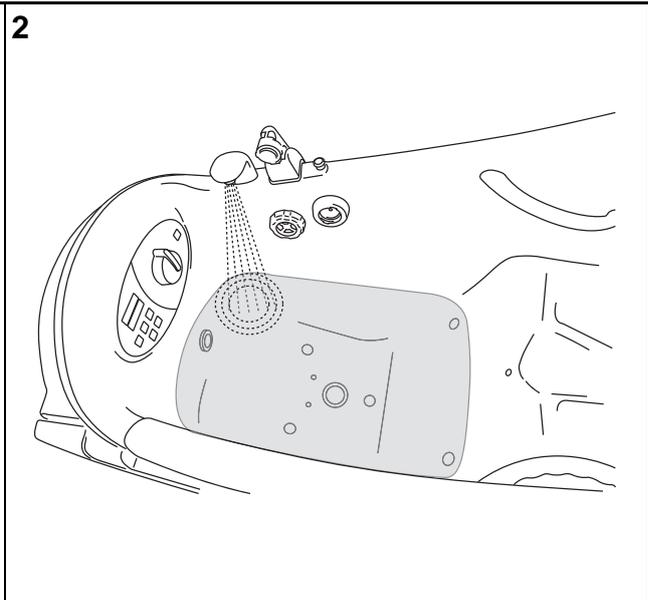
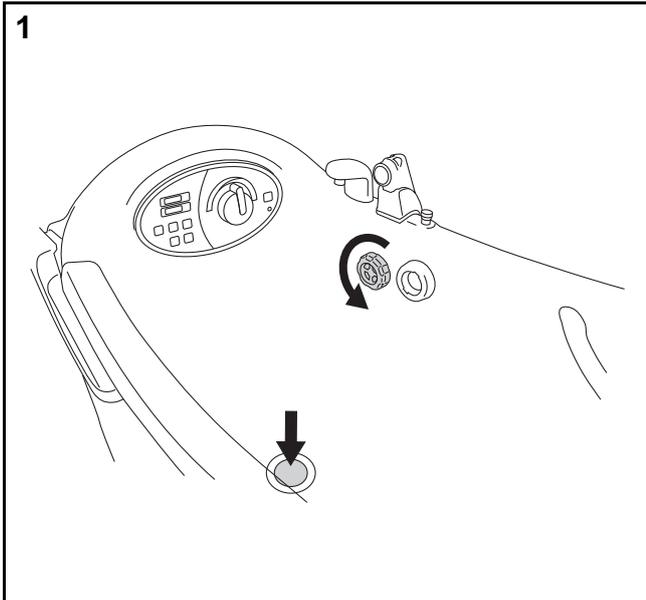
Shower handle

The shower handle is located in the holder or the stand. (See Fig. 5)

- Press the  shower button to start the shower. The green LED will turn on when active.
- Press the trigger on the shower handle to regulate the water. Hold the trigger in for constant water flow.

To get continuous water flow without having to hold in the trigger do as follows:

- Press the trigger and push the lock button on the side. The water will continue to flow without having to press the trigger.
- Unlock by pressing the handle trigger and the lock button will pop out by itself.



Functions lock

Press the  function lock button on the control panel and it locks all the functions except:

- scalding protection
- emergency stop

For example, if the function lock is activated during a shower, the shower can only be turned off after deactivating the function lock.

The function lock LED is flashing yellow when active.

Door lock

The *Parker* has a door handle that works as a door lock. The door handle needs to be aligned with the sticker showing an open or closed lock. (See Fig. 1)

- **To unlock the door:** press the door handle down until aligned with the sticker showing an open lock. (A)
- **To lock the door:** press the door handle up until the handle is aligned with the sticker showing a closed lock. (This may require some physical force). (B)

Air Spa (option)

The *Parker* with *Air Spa* feature allows the resident to sit comfortably and enjoy a massage by air jets in the water.

Both the  *Air Spa* - whole tub and the  *Air Spa* - footwell buttons have two adjustable intensities that can be selected. The maximum treatment time is 15 minutes.

The *Air Spa* can be activated either for the whole bath tub or just in the footwell.

NOTE

Operating the *Air Spa* with soapy water can cause excessive foaming.

Sound and Vision (option)

WARNING

To avoid electric shock, only use the USB memory stick in the connector on the bath.

The USB outlet is located behind the cover. (See Fig. 2)

- Unscrew the black cap counter clockwise to get to the USB outlet (A) and plug in the *Sound & Vision* (S&V) memory stick (B).
- To get colored light in the tub, press the  S&V light button on the S&V hand control.
- Press the  S&V light button one more time to change light colour.
- Press the  S&V light button for 2 seconds to turn the light off.
- To start a rotation of different light colours press the  S&V automatic light colour change button.
- To start the music press the  MP3 button on the S&V hand control. Only MP3 files can be read and only files from the root (not in “folders”).
- S&V hand control LED flashes when active.

NOTE

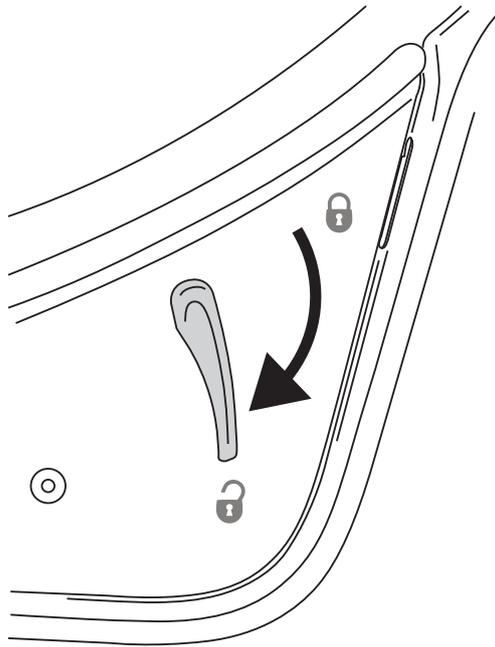
The music function will stop automatically 30 minutes after activation. Press the MP3 player button on the S&V hand control for continued listening.

NOTE

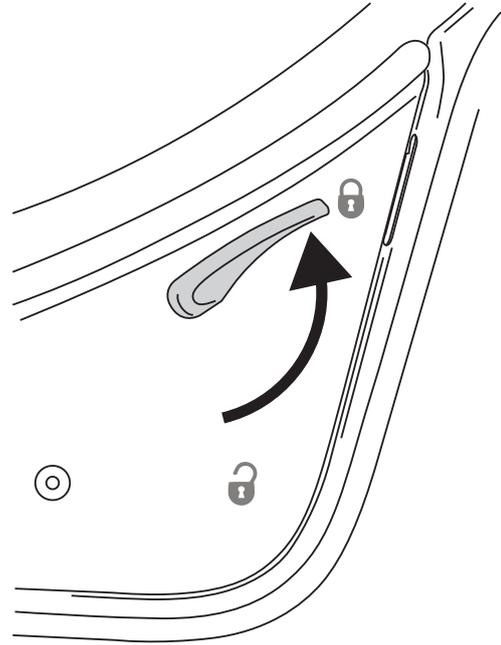
The S&V light will stop automatically 30 minutes after activation. Press the S&V light ON/OFF button on the S&V hand control for continued lighting.

1

A



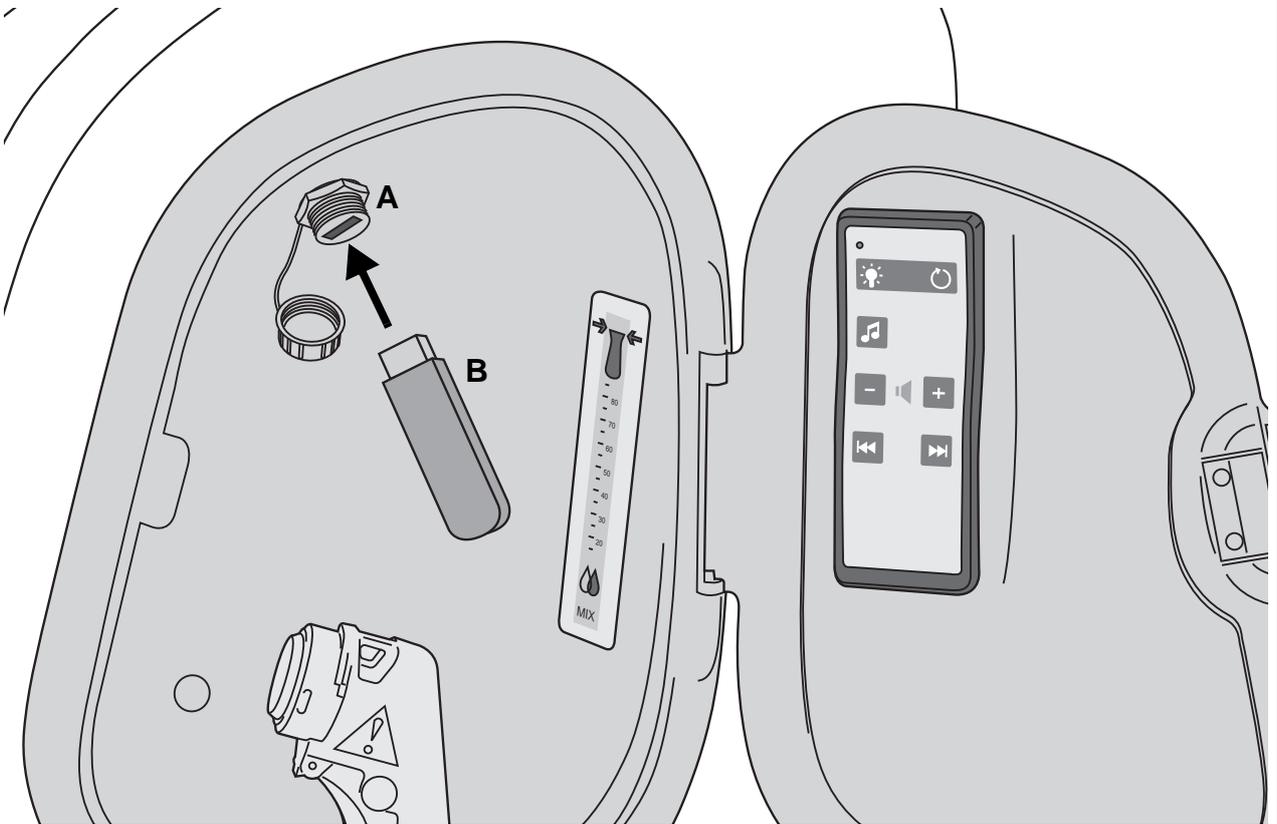
B



2

A

B



Disinfection unit (option)

The *Parker* has the a built in disinfection unit as an option. (See Fig. 1)

There is a disinfectant bottle with an adjustable top to adjust the mixing value of the disinfectant concentration and water. It's located in the lockable compartment between the bath legs.

There is also a disinfection spray handle and flowmeter, located behind the cover.

To use the disinfection unit:

- 1 Press the  disinfection button and hold it in for 5 seconds to activate it.
- 2 The LED will turn green when active.
- 3 If the disinfectant bottle is empty, the LED will start flashing when pressing the disinfection button. A beeping sound comes on and it is not possible to disinfect the bath.
- 4 Replace with a full disinfection bottle and try again (see *Disinfection Instructions - Replacing Disinfectant Bottle*).

Battery back-up

A battery will work as a back-up if there is a power failure. It is possible to help a resident out of a bath during that time. Everything on the bath will work under the battery back-up except for the auto fill function, *Air Spa* and *Sound & Vision*.

If the battery fails to work during a power failure contact your ArjoHuntleigh technician.

CAUTION

Never put the resident in the bath when the power indicator light on the control panel is out. Ensure that the bath is connected to a power outlet or the battery might run out of power. Contact your local ArjoHuntleigh technician if problem occurs.

Battery charge level when the main power supply is not connected.

| | |
|----------------------------|---|
| Yellow LED on | No mains connected |
| Yellow LED flashing | No mains connected and battery is running low. The Battery is automatically charged when the bath is connected to the mains. |
| No LED light | Connect the <i>Parker</i> to the mains to charge the battery. |

Head cushion, Back support cushions and Leg rest (accessories)

Extra cushions are available for added comfort for the resident. The back support cushions have suction cups for easy attachment to the bath.

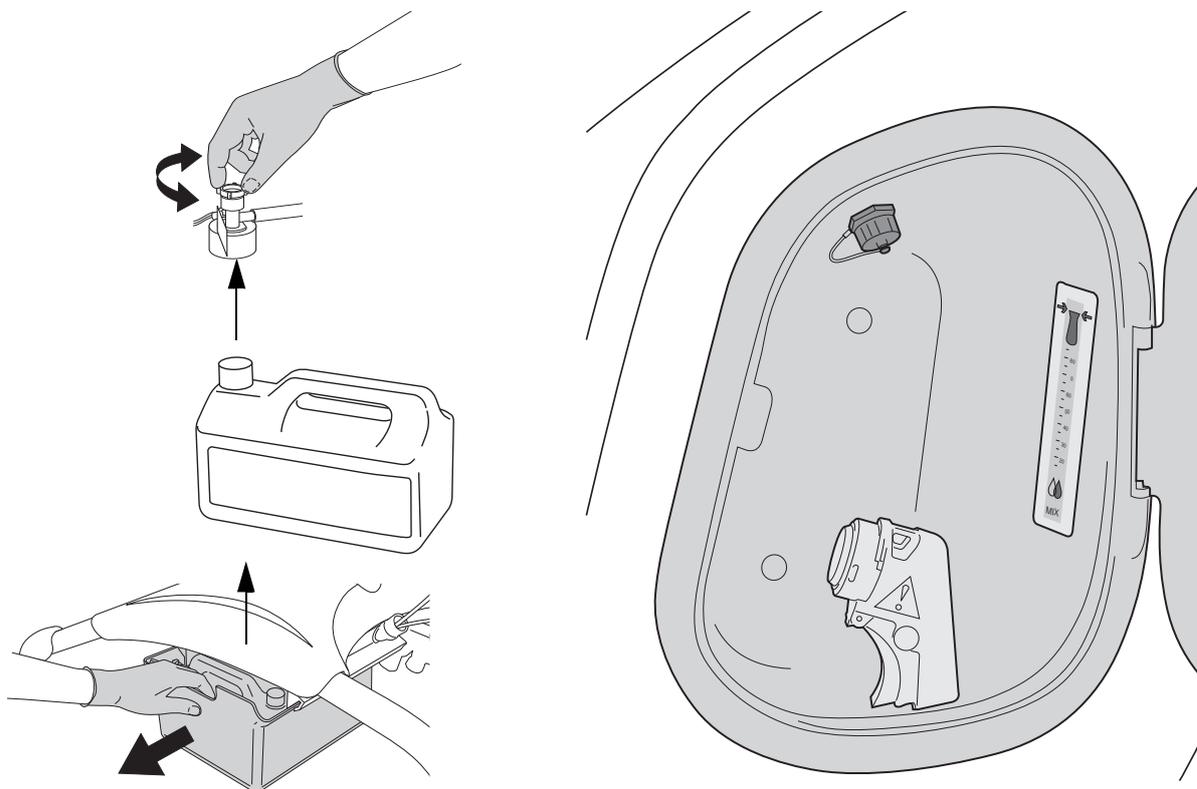
(See Fig. 2)

These accessories can be ordered from your local ArjoHuntleigh representative.

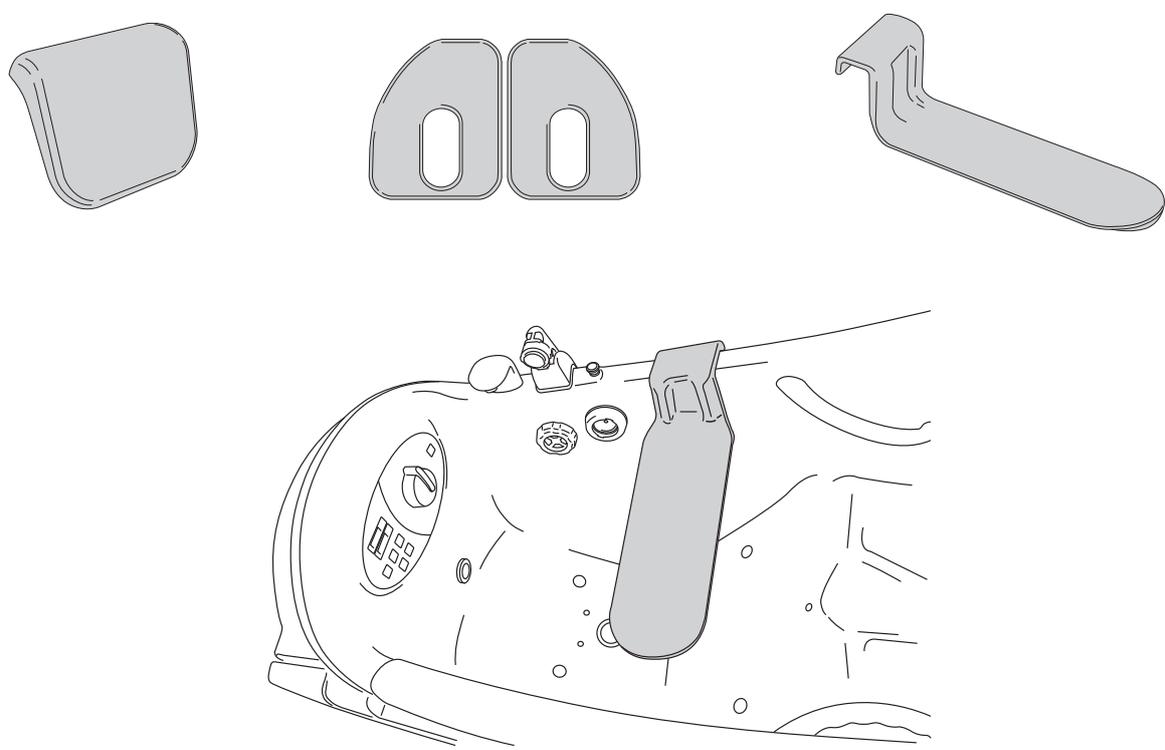
CAUTION

Always fit leg rest on the opposite side of the door. If hung on the door, damage to the door may occur.

1



2



Operating Instructions

To complete a full resident bath follow the 36 steps.

WARNING



To prevent scalding, always check the water temperature with your naked hand before directing the water on the resident. Do not use gloves as it may insulate to the extent that the water temperature can be misjudged. Point the flow of the water away from the resident.

Fill the footwell with water.

- 1 Ensure that the bath is in an upright position. (See Fig. 1)
 - 2 Close the drainage plug by rotating the drain control knob counter clockwise. (See Fig. 2)
 - 3 **Parker with fill:** start filling the footwell by pressing the  tub filling button. (See Fig. 3)
- Feel the water temperature with a naked hand and let the resident feel the water. Adjust the knob to a comfortable temperature.
 - At desired footwell water level, stop the filling by pressing the  tub filling button again.

Parker with Auto fill: activate prefill by pressing the  auto fill button. (See Fig. 3)

- Feel the water temperature with a naked hand and let the resident feel the water. Adjust the knob to a comfortable temperature.

- The filling stops automatically when the footwell is filled.

Bathing the resident

- 4 Open the bath tub door by pressing the door handle down. Make sure no objects are in the path of opening the door. Raise the door to a fully open position.

5 WARNING

To avoid falling, make sure the resident always remains in a seated position.

Adjust the bath height by pressing  up or  down button on the hand control, in order to get the right resident seating height. (See Fig. 4)

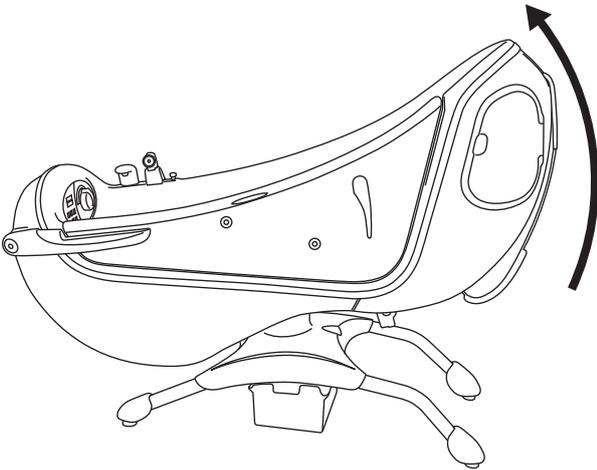
6 WARNING

To avoid falling, ensure the resident uses the grab rails for support when entering or exiting the bath.

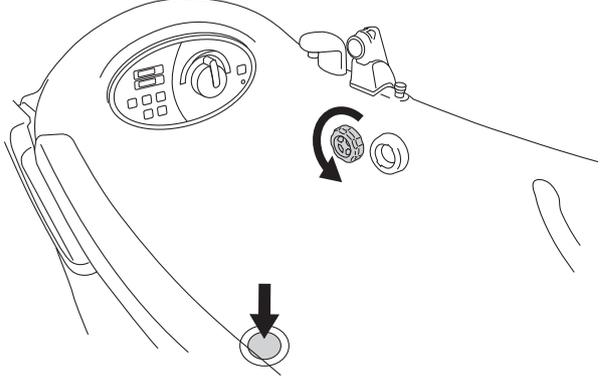
If needed, help the resident get seated in the Parker. (Fig. 4)

Continue with the steps on the back of the next page.

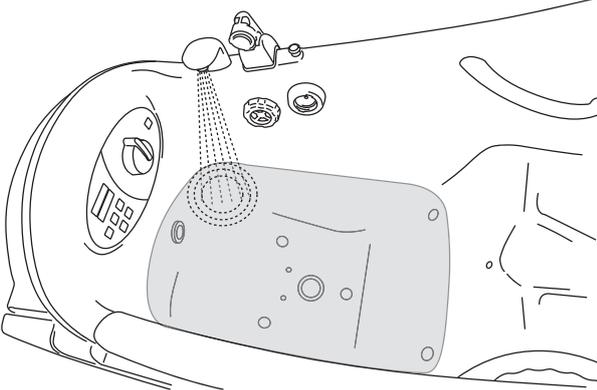
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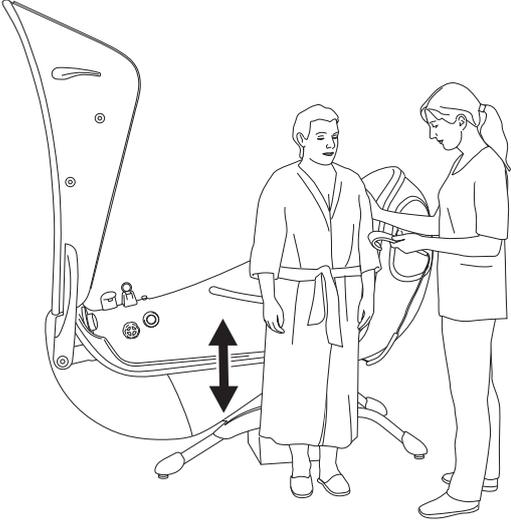
2



3



4



7 **WARNING**
To avoid falling, make sure the resident always remains in a seated position.

If needed, help the resident to place their feet into the footwell. (See Fig. 1)

8 **WARNING**
To avoid entrapment, make sure to keep the residents hair, arms and feet close to the body and use designated grab supports during any movement.

Close and lock the bath tub door by pulling the door handle fully up (with some physical force) until aligned with the closed lock sticker.

9 **WARNING**
To avoid entrapment, make sure to keep the residents hair, arms and feet close to the body and use designated grab supports during any movement.

Recline the bath tub by pressing the  tilt back button on the hand control.

10 Position the bath to the preferred working height by pressing  up or  down buttons on the hand control. (See Fig. 2)

11 Adjust bath water depth by pressing  fill/auto fill button.

12 Adjust the water temperature by rotating the temperature knob on the control panel.

13 Feel the water temperature with a naked hand and let the resident feel the water as well. (See Fig. 3)

14 At a desired water level, turn the water off.

- **Parker with fill:** Press  filling button again when the water has reached desired level to turn it off.

- **Parker with Auto fill:** The filling stops automatically after 60 seconds. To stop filling within this time frame, press  auto fill button. If the button is pressed once again, the filling starts for another 60 seconds.

Shower the resident

15 Lift off the shower handle from the holder or stand.

16 Hold the shower handle away from the resident.

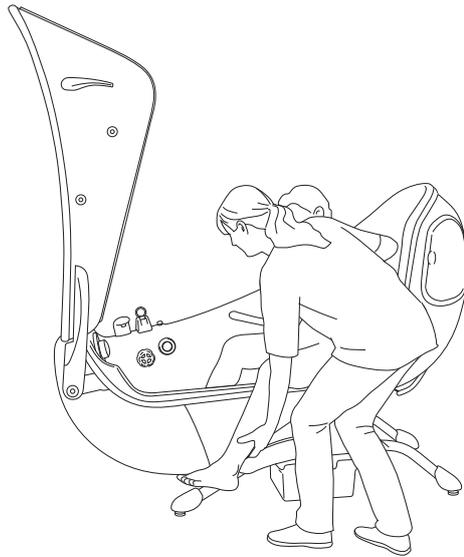
17 Press the  shower button on the control panel (the LED lights up when active).

18 **WARNING**
To prevent scalding, always check the water temperature with your naked hand before directing the water on the resident. Do note use gloves at it may insulate to the extent that the water temperature can be misjudged. Point the flow of the water away from the resident.

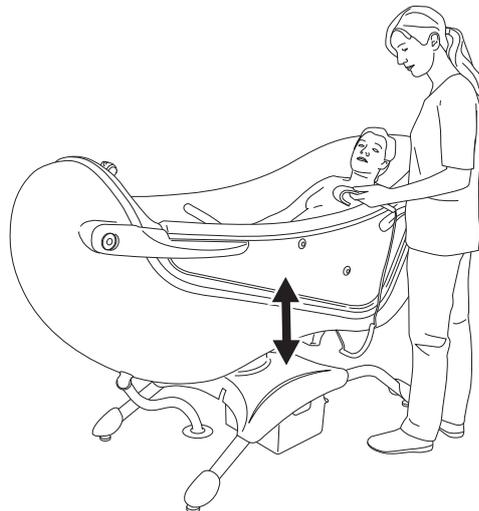
Press the trigger on the shower handle directing the water stream away from the resident.

Continue with the steps on the back of the next page.

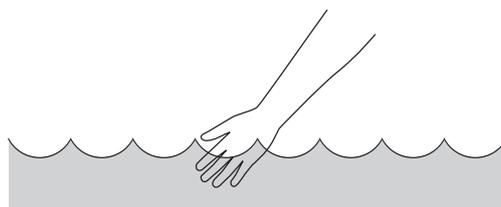
1



2



3



- 19 The top display shows the shower water temperature. Allow a few seconds for the display to adjust the temperature. If needed, turn the knob to adjust the water temperature.
- 20 Also check by placing your naked hand in the water stream that the water temperature is not too hot. **(See Fig. 1)**
- 21 Allow the resident to feel the water with his or her hand before the water stream is directed onto the resident. **(See Fig. 2)**
If needed, adjust water temperature by turning the knob.
- 22 To keep the trigger handle in for a longer period, activate the lock button by pushing it in. To deactivate, push the trigger.
- 23 When showering is finished, press the  shower button on the control panel.
- 24 Make sure the shower trigger is unlocked before placing the shower handle back into the holder or stand.

NOTE

Raise the bath, for optimum use of the shower stand, and turn the shower stand away from the resident when not in use. (GB only)

Air Spa (option)

- 25 To activate the *Air Spa*, use either the buttons on the control panel or on the hand control.
 - To activate the *Air Spa* in the whole bath, press the  *Air Spa* - whole bath button. The *Air Spa* will start with low intensity in the whole tub.
 - If pressed a second time the *Air Spa* intensity will increase.
 - If pressed a third time the *Air Spa* will stop.
 - The above sequence apply to the  *Air Spa* - footwell button as well.

Sound and Vision (option)

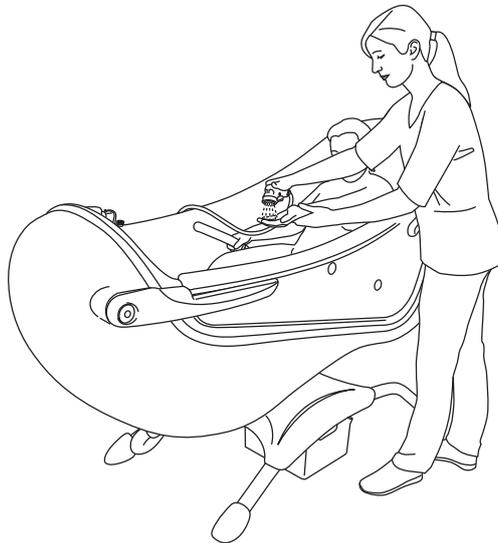
- 26 Activate the S&V through the USB outlet and the S&V hand control, which is located behind the cover. **(See Fig. 3)**
 - Unscrew the black cap counter clockwise to get to the USB outlet and plug in the *Sound & Vision* USB memory stick.

Continue with the steps on the back of the next page.

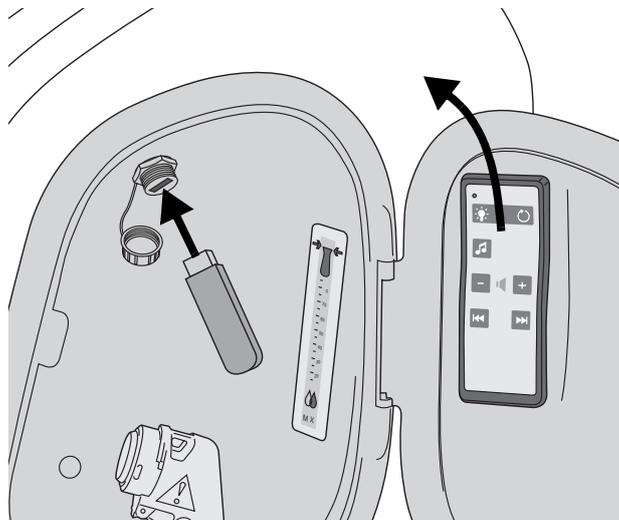
1



2



3



Ending the bathing cycle

- 27 When bathing is complete, drain the bath tub by opening the drain.
- Turn the drain control knob clockwise.
- 28 With intervals, tilt the bath to upright position by pressing the  tilt up button on the hand control. Try to keep the resident in the water as long as possible.
- 29 In the mean time, keep the resident warm by showering the upper body or covering him or her with a towel.
- 30 When the bath is in an upright position, lean the resident forward and ask him or her to grab the handles. Shower and dry the resident's upper body and place a towel around the resident to preserve heat. **(See Fig. 1)**
- 31 Lower the bath to the lowest position. **(See Fig. 2)**
- 32 Make sure that the water level is below the door opening. **(See Fig. 3)**
- 33 Unlock and open the bath door by pulling the door handle down and lift the door up. Make sure no objects are in the path of opening the door.
- 34 If necessary, gently grab the resident's legs and dry them before placing them on the floor. **(See Fig. 4)**

35 **WARNING**

To avoid falling, ensure the resident uses the grab rails for support when entering or exiting the bath.

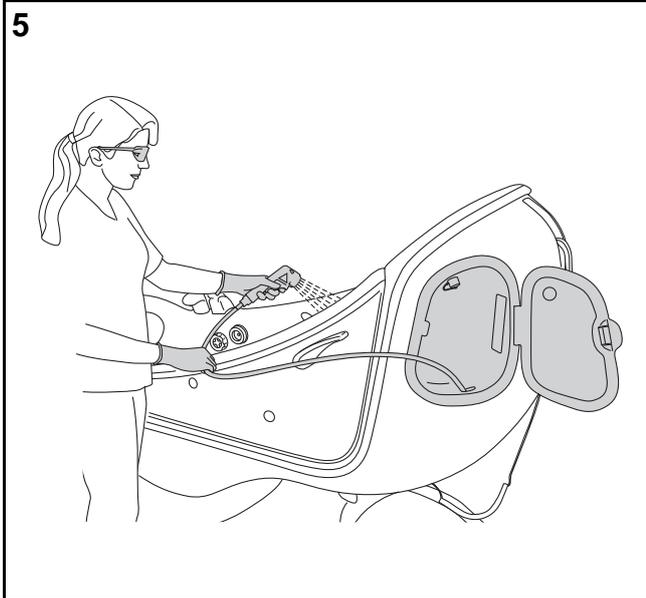
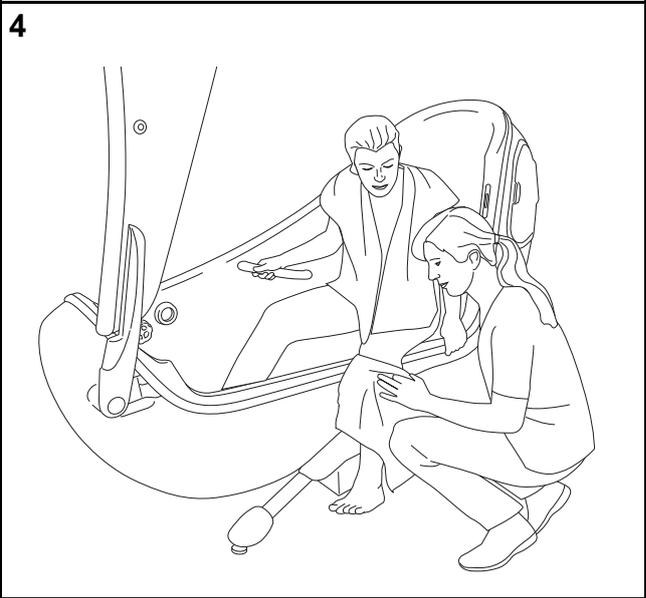
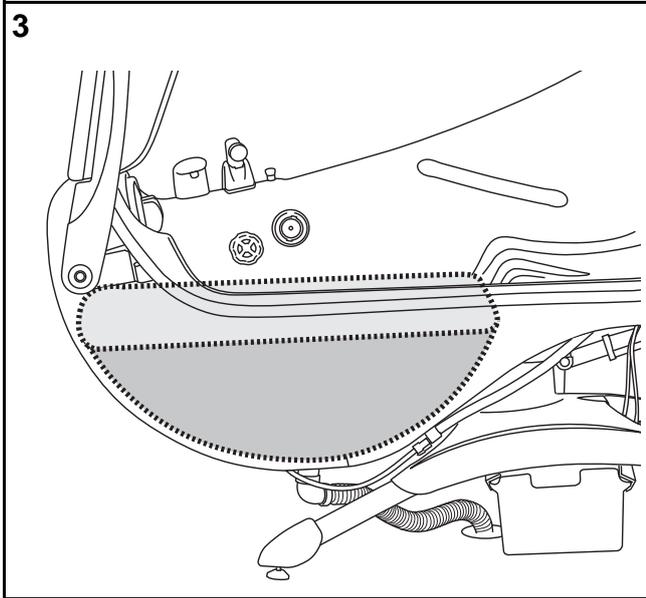
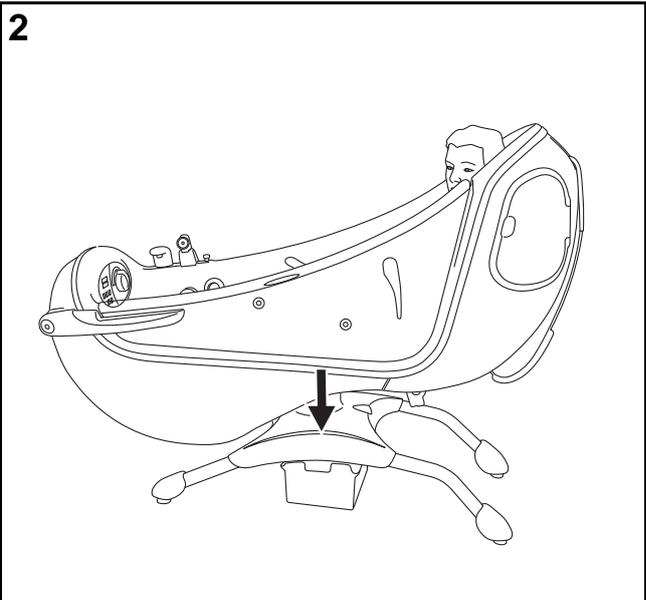
Remove the resident and dry remaining wet areas of the resident's body.

Disinfect after each resident

- 36 Make the bath ready for the next resident. The bath must be fully disinfected after each use to prevent cross-contamination. **(See Fig. 5)**
See section, *Disinfection Instructions*.

NOTE

To preserve the door seal, leave the door slightly open when not in use. Place the hand control on the hand control holder when not in use.



Using a Standing & Raising Aid with *Parker*

The *Parker* can be used together with Arjo-Huntleigh standing and raising aids such as *Stedy™*, *Sara 3000*, *Sara Lite* and *Sara Plus™*.

Resident transfer from *Sara 3000* to *Parker*. (31 steps)

- 1 Lower the bath to the lowest position.
- 2 Start filling the footwell. (See Fig. 1)

3 **WARNING**

To prevent scalding, always check the water temperature with your naked hand before directing the water on the resident. Do not use gloves as it may insulate to the extent that the water temperature can be misjudged. Point the flow of the water away from the resident.

Check the water temperature with your naked hand. (See Fig. 2)

- 4 Open the bath door. Make sure no objects are in the path of opening the door.
- 5 Transfer the resident to the bathroom.
- 6 Place the sling around the resident and fasten it to the standing and raising aid.
- 7 Activate the standing and raising aid and raise the resident.
- 8 Pull down the resident's trousers or skirt.
- 9 Transfer the resident to the *Parker* bath. (See Fig. 3)
- 10 Lower the resident in order to place him or her on the bath seat. (See Fig. 4)
- 11 Detach the sling and pull the standing and raising aid away.
- 12 Undress the resident's upper half.
- 13 Take off the resident's trousers or skirt.
- 14 Let the resident feel the water temperature in the footwell.

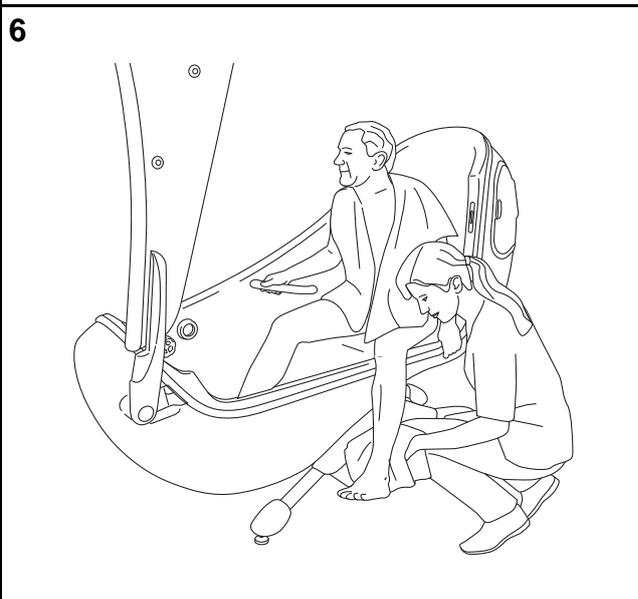
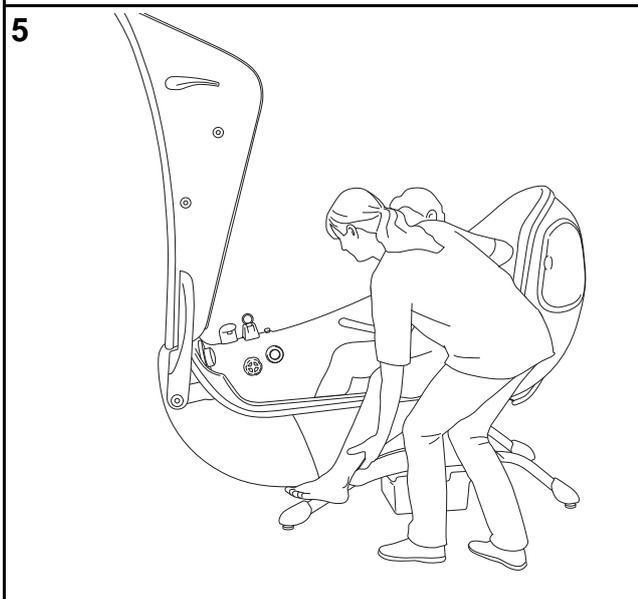
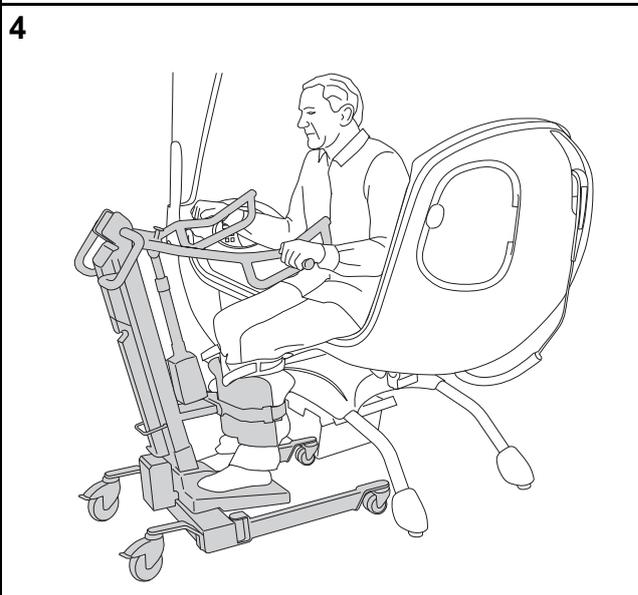
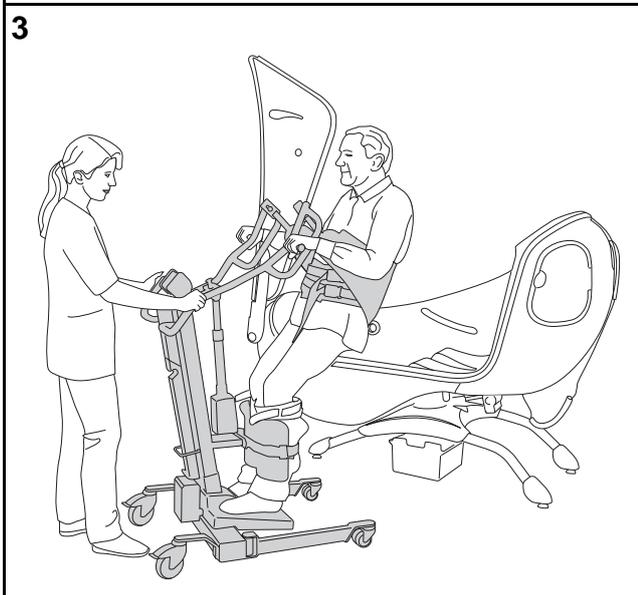
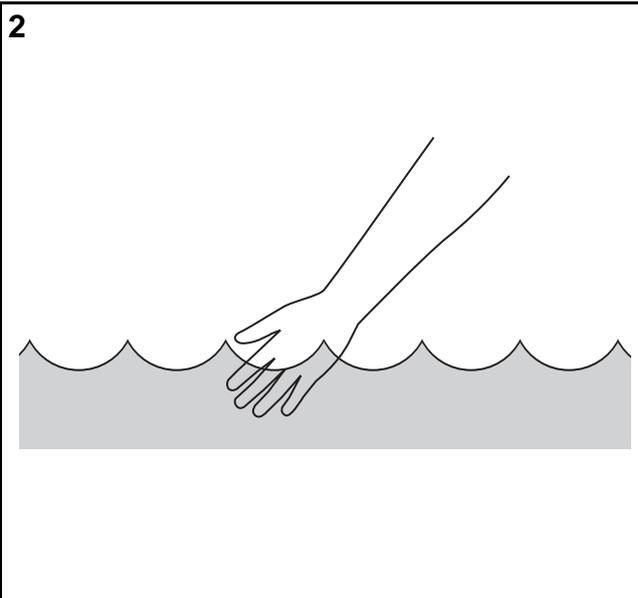
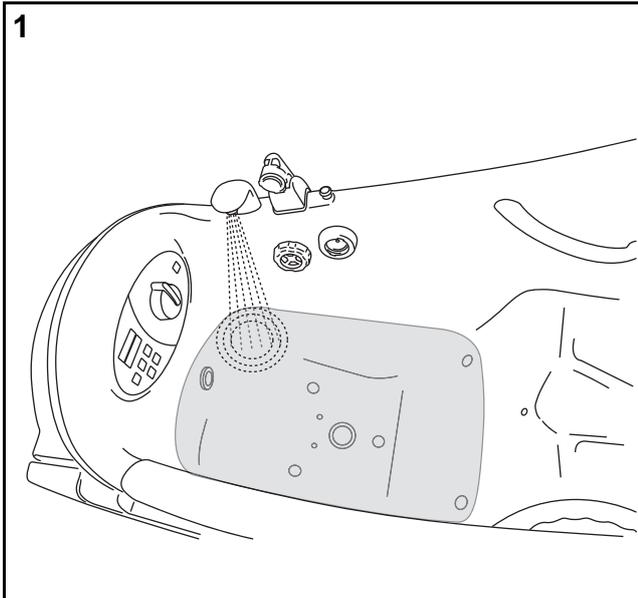
- 15 If needed, gently, spin the resident around and place his or her feet in the footwell. (See Fig. 5)

16 **WARNING**

To avoid entrapment, make sure to keep the residents hair, arms and feet close to the body and use designated grab supports during any movement.

Close the bath door.

- 17 Perform the bathing (See chapter, *Operating Instructions - Bathing the resident*).
- 18 Lower the bath after ending the bathing cycle.
- 19 Position the standing and raising aid close to the *Parker* bath.
- 20 Open the bath door. Make sure no objects are in the path of opening the door.
- 21 Gently, spin the resident around and place his or her feet outside the bath and dry them thoroughly. (See Fig. 6)
- 22 Dress the resident's upper body.
- 23 Dry the resident's feet and legs.
- 24 Pull the resident's trousers or skirt up to his or her ankle area.
- 25 Put the sling on.
- 26 Adjust the height of the bath until the resident's feet are positioned on the standing and raising aid.
- 27 Attach the sling to the standing and raising aid.
- 28 Activate the lift and raise the resident up.
- 29 Dry the remaining wet areas of the resident's body.
- 30 Pull the resident's trousers or skirt all the way up.
- 31 Transfer the resident.



Using a ceiling lift with *Parker*

The *Parker* can be used together with Arjo-Huntleigh Ceiling lift, Maxi Sky 600 with a 2-point spreader bar, using a mesh sling with or without head support.

Resident transfer from a ceiling lift to *Parker*. (16 steps)

- 1 Close door and prefill the bath with the bath in an upright position.
- 2 When prefilled, recline the bath and lower it to its lowest position. (See Fig. 1)
- 3 Put the resident in a sling.

4 **WARNING**

To prevent scalding, always check the water temperature with your naked hand before directing the water on the resident. Do not use gloves as it may insulate to the extent that the water temperature can be misjudged. Point the flow of the water away from the resident.

Check the water temperature with your naked hand. (See Fig. 2)

5 **WARNING**

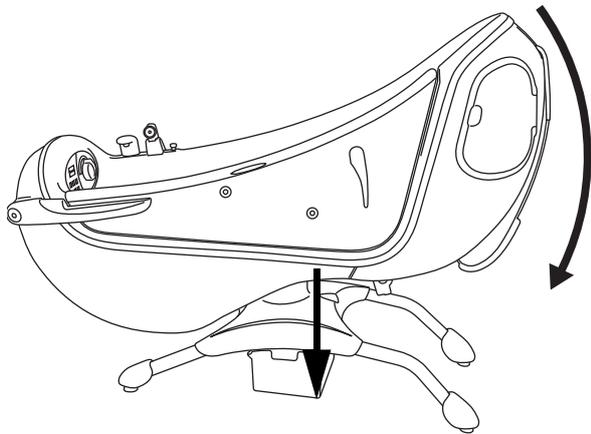
To avoid entrapment, make sure to keep the residents hair, arms and feet close to the body and use designated grab supports during any movement.

Transfer the resident over the closed bath door to the reclined bath. (See Fig. 3)

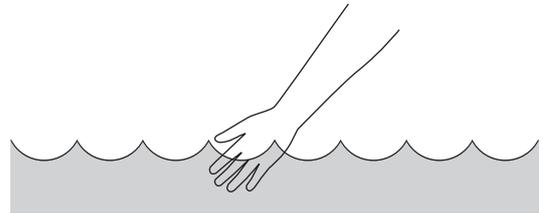
- 6 Raise the bath to an ergonomic working height. Adjust the height of the spreader bar, if needed.
- 7 Let there be some tension in the sling from the spreader bar to keep the resident in place. (See Fig. 4)
- 8 Fill the bath with water to an appropriate level.

- 9 Make sure to feel the water temperature and adjust, if needed. (See Fig. 2)
- 10 Perform the bathing (See chapter, *Operating Instructions - Bathing the resident*).
- 11 Begin to drain the bath by opening the drain.
- 12 Lower bath to its lowest position.
- 13 Lift resident slightly up from the bath and shower the resident's back. (See Fig. 5)
- 14 Dry the resident in the sling and transfer him or her over the closed bath door to a preferred helping aid. Finish drying the resident. (See Fig. 6)
- 15 Tilt the bath to upright position to drain the bath completely.
- 16 Disinfect the bath to prevent cross-contamination. See chapter, *Disinfection Instructions*.

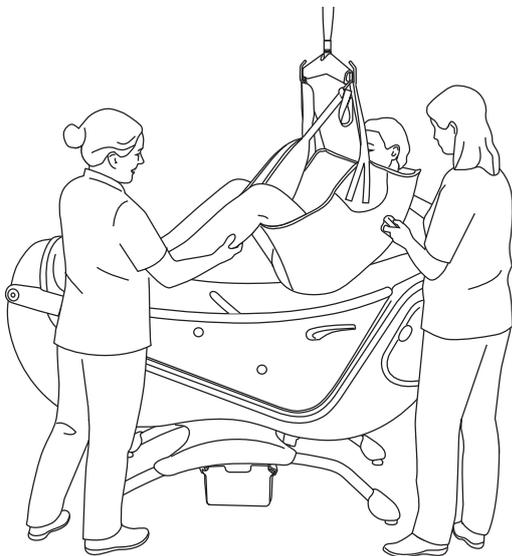
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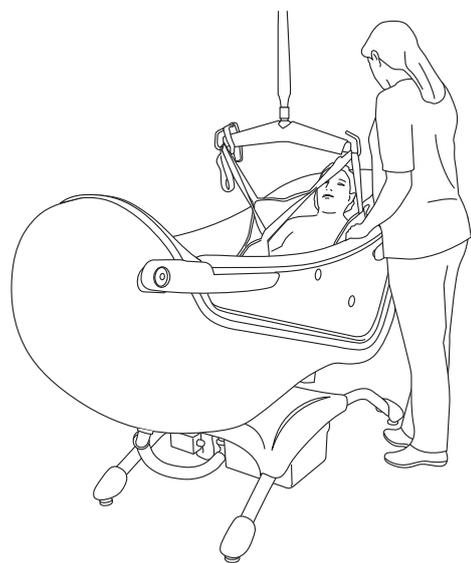
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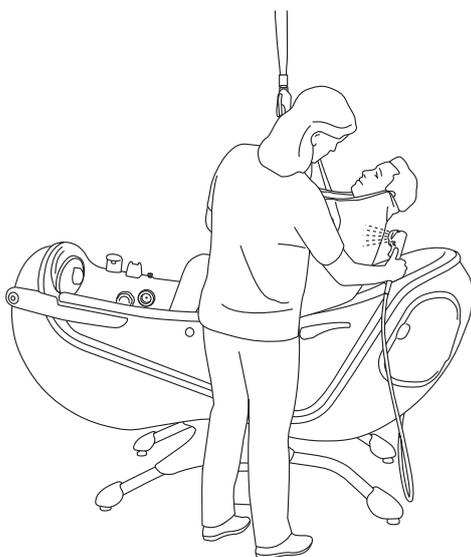
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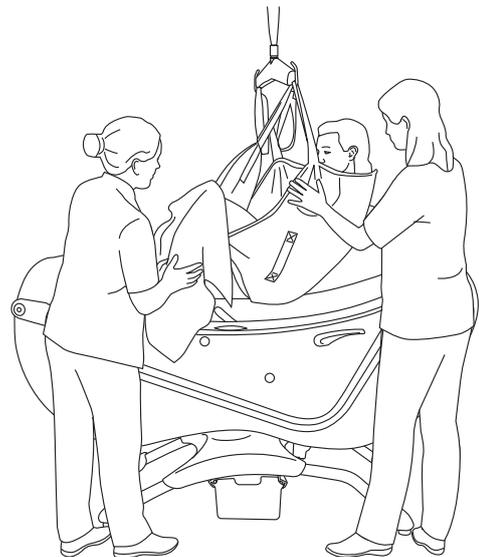
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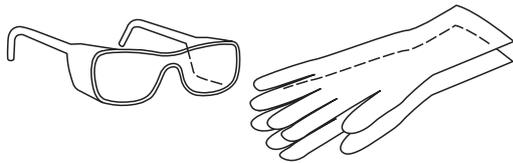
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Disinfection Instructions

Thorough disinfection routines are necessary to prevent the build-up of bacteria on and in the equipment and to prevent cross-contamination. This is particularly vital in cases where the *Parker* is in a shared facility.

WARNING



To avoid eye and skin damage, always use protective glasses and gloves. If contact occurs rinse with plenty of water. If eyes or skin becomes irritated, contact a physician. Always read the material safety data sheet of the disinfectant.

WARNING

To prevent cross-contamination, always follow the disinfection instructions in this *Instructions for Use*.

WARNING

To avoid eye or skin irritation, never disinfect in the presence of a resident.

CAUTION

To avoid damage on the equipment only use ArjoHuntleigh branded disinfectants.

CAUTION

To prevent equipment surface damage only use:

- **Arjo Clean™**
- **Arjo General Purpose Disinfectant**
- **Arjo Disinfectant Cleanser IV or**
- **Cen-Kleen IV™**

ArjoHuntleigh Disinfectants

For optimal performance only use ArjoHuntleigh Disinfectants. If you have any questions regarding disinfecting the equipment or wish to order disinfecting fluid (see *Parts and Accessory* section), please contact your ArjoHuntleigh Customer Service located on the inside of the last page.

If the *Parker* is equipped with *Air Spa*, the bath must be disinfected with its integrated disinfection system.

If the *Parker* does not have an integrated disinfection system, the *Multi Clean* disinfection system must be used.

Always disinfect the *Air Spa* system, even when the blower has not been used.

Microbiological Formation Prevention

In order to enhance the on-site curative actions (chlorine or thermal shock), which do not guarantee a reduction of the contamination long term, make sure to follow the instructions below.

Installation Precautions

In order to limit the growth of bacterial flora, it is necessary to take action at four levels:

- Avoid stagnating water and ensure proper water circulation;
- Take precautions against the formation of scale and corrosion based on the water quality;
- Maintain a high water temperature from production to the different distribution circuits;
- Mix hot and cold water as close as possible to the point of use

Use

- Make sure that the water circulates in the bath and the shower on a daily basis *even if the bath tub is not used*; and particular to make sure to remove any water that may be left behind in the hose.
- Let the water flow approximately 5 minutes before the first bath of the day.
- Clean and disinfect the bath tub according to the *IFU* before the first bath of the day and after the bath of each resident.

Do not forget to contact ArjoHuntleigh for the annual Preventive Maintenance visit.

Accessories for disinfecting the Parker

- Protective gloves.
- Protective eye wear
- *Multi Clean* or spray bottle (if integrated disinfection system is not available)
- Soft bristle brush
- Cloth
- Disinfection fluid

Replacing disinfectant bottle (10 steps)

WARNING

To prevent cross-contamination, always follow the disinfection instructions in this *Instructions for Use*.

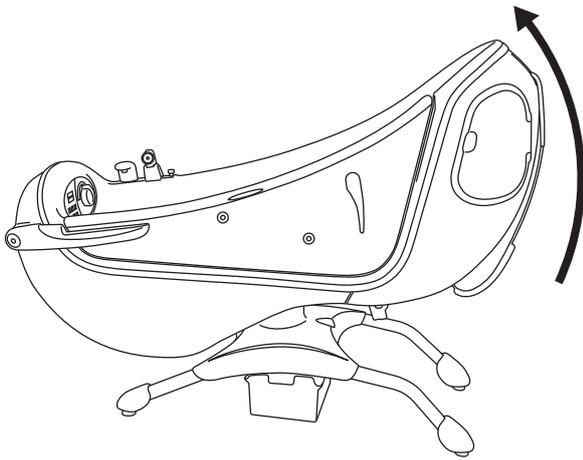
CAUTION

To prevent equipment surface damage only use:

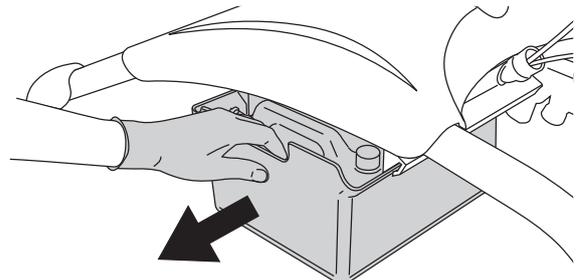
- *Arjo Clean*
- *Arjo General Purpose Disinfectant*
- *Arjo Disinfectant Cleanser IV* or
- *Cen-Kleen IV*

- 1 Make sure that *Parker* is in an upright position. (See **Fig. 1**)
- 2 Open the compartment for disinfectant bottle. (See **Fig. 2**)
- 3 On the disinfectant bottle:
 - open the bottle lock
 - disconnect the suction part from the bottle.
- 4 Discard the old bottle and replace with a new one.
- 5 Open the cover and grab the disinfection spray handle.
- 6 Press the  disinfection button for 5 seconds.
- 7 Spray disinfection fluid in the bath while keeping an eye on the flowmeter.
- 8 Check the mix ratio on the flowmeter so that it's in accordance with the setting range stated in this *IFU*. (See **Fig. 3**)
- 9 If necessary, adjust the bottle cap by hand to get the right mix ratio. (See **Fig. 4**)
- 10 Adjust water temperature so that the disinfectant mixtures reaches approximately 20° C (68°F).

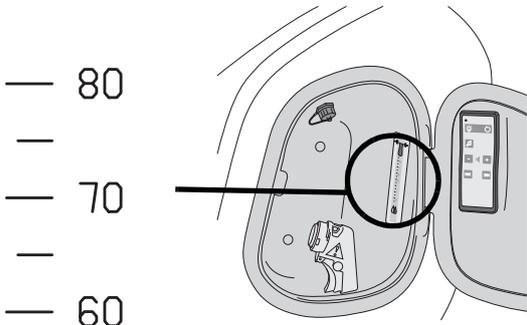
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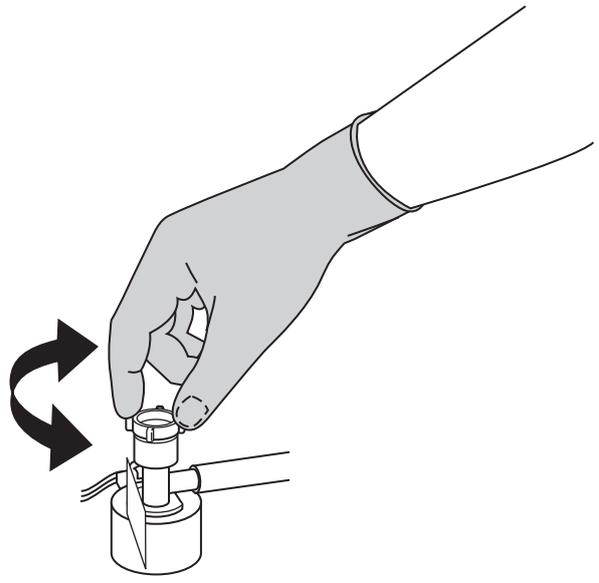
**Arjo Disinfectant
Cleanser IV (60)**

**Arjo General Purpose
Disinfectant (35)**

Arjo Clean (30)

Cen-Kleen IV (30)

4



Disinfecting *Parker* using a spray bottle

WARNING

To prevent cross-contamination, always follow the disinfection instructions in this *Instructions for Use*.

Follow steps 1-10 after every bath.

- 1 Raise the bath tub to convenient working height.
- 2 Open the drain to empty any left over water.
- 3 Detach and place the accessories (where applicable) such as head cushion, back support cushions and leg rest, in the bottom of the bath tub.
- 4 Shower and rinse the bath and accessories with water.
- 5 Mix the disinfectant according to the label instructions stated on the disinfectant bottle. **(See Fig. 1)**
- 6 Use the spray bottle and apply the disinfectant by spraying all internal bath surfaces and the accessories at the bottom of the tub. **(See Fig. 2)**
- 7 Scrub the surfaces with a soft bristle brush or cloth to remove any build up of biofilm which may have been deposited. **(See Fig. 3)**
- 8 Allow to stand for 10 minutes. While waiting, wipe all other contact areas such as the outside of the bath (particularly behind the head), metal sensory knobs, door seals and the hand control with a cloth soaked in disinfectant solution.
- 9 Raise the *Parker* to upright position.
- 10 Rinse all parts clean with cold water using the shower. **(See Fig. 4)**

Follow additional steps 11-13 after the last bath of the day.

- 11 Wipe the inner wall of the bath vigorously with a cloth soaked in the disinfectant solution to remove any build up of biofilm that may have accumulated during the day.
- 12 Rinse thoroughly with water until no residual disinfectant is visible.
- 13 Leave to air dry so that the bath is clean, disinfected and ready to be used the next morning.

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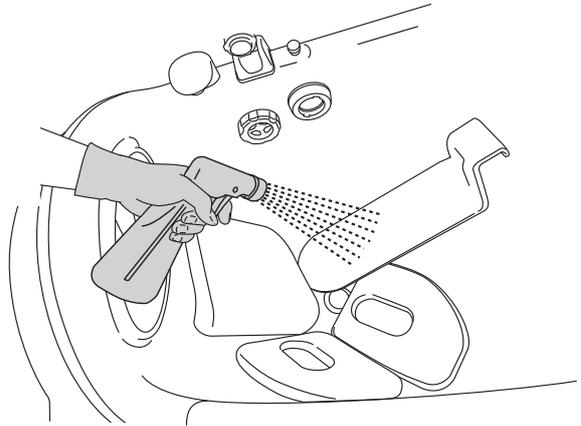
Arjo Disinfectant Cleanser IV (60)

Arjo General Purpose Disinfectant (35)

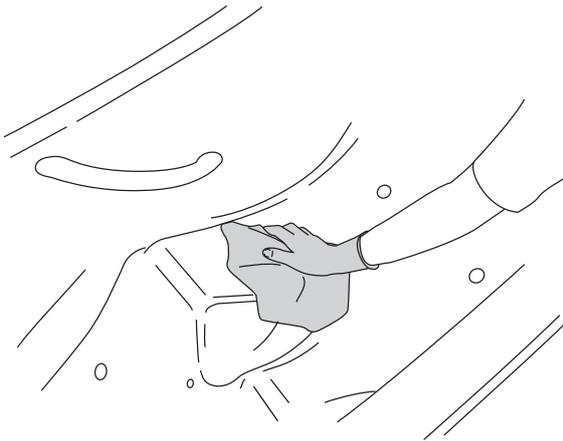
Arjo Clean (30)

Cen-Kleen IV (30)

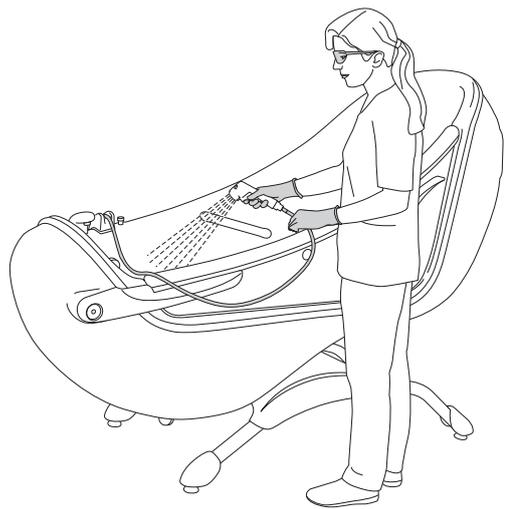
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Disinfecting *Parker* using the disinfection system

WARNING

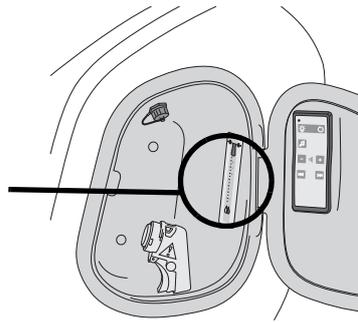
To prevent cross-contamination, always follow the disinfection instructions in this *Instructions for Use*.

Follow steps 1-38 after every bath.

- 1 **Determining the disinfectant mixing ratio:** Spray disinfection fluid in the bath while keeping an eye on the flowmeter.
 - 2 Check the level of the disinfectant in the disinfectant bottle.
 - 3 Check the mix ratio of the disinfectant on the flowmeter so that it is in accordance with the setting stated in this *IFU*. (See Fig. 1)
 - 4 If necessary, adjust the bottle cap by hand to get the right mix ratio.
 - 5 Raise the bath tub to convenient working height. (See Fig. 2)
 - 6 Open the drain and empty any left over water so that the water sensory knobs do not detect any water. If water is detected, the disinfection function will remain de-activated.
 - 7 Tilt the bath to an upright position. (See Fig. 2)
 - 8 Detach and place the accessories (if applicable) such as head cushion, back support cushions and leg rest, at the bottom of the bath tub.
 - 9 Shower and rinse the bath and accessories with water.
 - 10 Open the cover, lift out the disinfection spray handle and hold it over the bath tub.
 - 11 Press the  disinfection button for 5 seconds on the control panel to turn it on.
 - 12 Press the trigger on disinfection spray handle and spray disinfection fluid in the bath while keeping an eye on the flowmeter. (See Fig. 1)
 - 13 Spray until the flowmeter shows the correct mixing value. If the flow meter value is not correct, adjust it according to the *Disinfection Instructions - Determining the disinfection mixing ratio*. (See Fig. 1)
 - 14 Adjust water temperature so that disinfectant mixtures reaches approximately 20° C (68°F).
 - 15 Apply the disinfectant on all internal bath surfaces and spray the accessories in the bottom of the tub. (See Fig. 3)
 - 16 Scrub the surfaces with a soft bristle brush or cloth to remove any build up of biofilm which may have been deposited.
- For *Parker* without *Air Spa* continue from step 22.**
- Additional steps 16-21 for *Air Spa* only:**
- 17 The *Parker* must be tilted backwards to disinfect through all nozzles.
 - 18 Release trigger and place the disinfection spray handle into the disinfectant/rinsing inlet (some force may be needed). (See Fig. 4)
 - 19 The inlet is fitted with insert locks and can be turned either way to be secured tightly. (See Fig. 4)
- Disinfection steps continue on the back of next page.*

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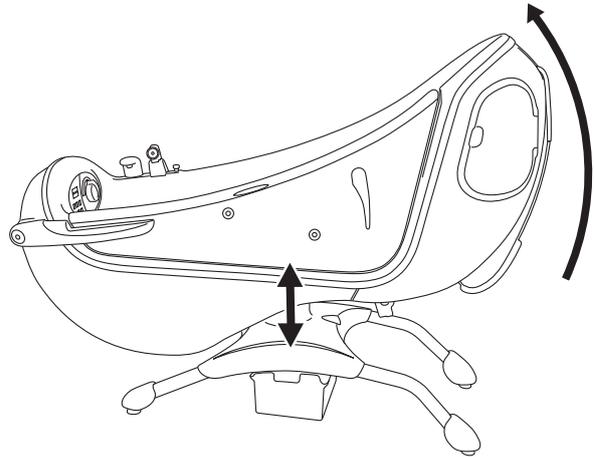
**Arjo Disinfectant
Cleanser IV (60)**

**Arjo General Purpose
Disinfectant (35)**

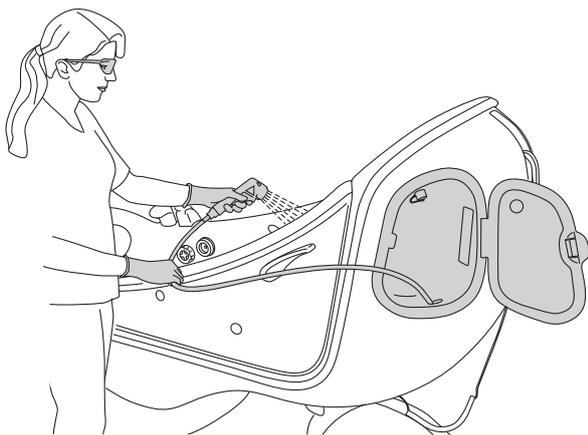
Arjo Clean (30)

Cen-Kleen IV (30)

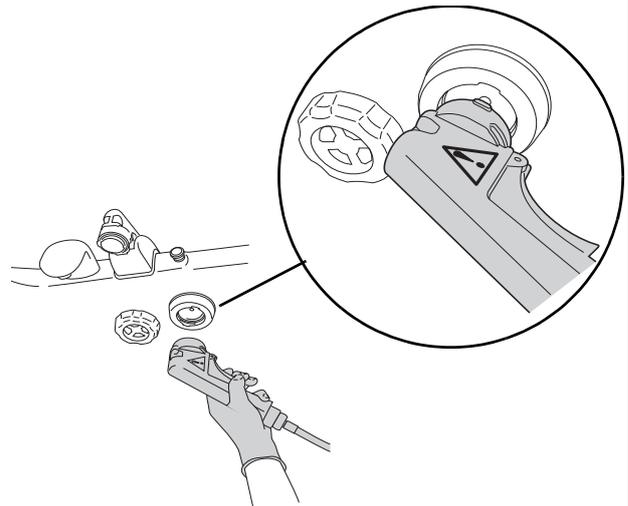
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- 19 Press the trigger handle and hold it until the disinfectant agent flows from all *Air Spa* nozzles

NOTE

Disinfection should be distributed through all *Air Spa* nozzles or proper disinfection can not be guaranteed. Contact an ArjoHuntleigh technician if problem occurs.

- 20 Let it run for another 30 seconds.
- 21 Release the trigger and remove the disinfection spray handle from the disinfectant/rinsing inlet.
- 22 Press the  disinfection button for 5 seconds to turn disinfection off.
- 23 Place the disinfection spray handle back in its holder.
- 24 Let the disinfectant agent act for about 10 minutes, during this time scrub all surfaces.
- 25 Wipe all other contact areas such as the outside of the bath (particularly behind the head area), metal sensory knobs, door seals and the hand control with a cloth soaked in disinfectant solution.
- 26 Remove the shower handle from its holder and press the  shower button on the control panel to turn it on.

For Parker without *Air Spa* continue from step 32.

Additional steps 27-31 for *Air Spa* only:

- 27 The *Parker* must be tilted backwards to rinse through all nozzles.
- 28 Place the shower handle into the disinfectant/rinsing inlet and turn it either way to secure it tightly.

- 29 Press the trigger on the shower handle and hold it until clean water flows from all nozzles.

- 30 Let it run for another 30 seconds.

- 31 Take out the shower handle from the disinfectant/rinsing inlet.

- 32 Shower the bath thoroughly. (See Fig. 1)

- 33 Press the  shower button on the front panel to turn it off.

- 34 Place the shower handle back into the holder.

Additional steps 35-37 for *Air Spa* only:

- 35 Press twice on the  *Air Spa* button for the whole bath, to activate the highest *Air Spa* intensity.

- 36 Keep it running for 30 seconds to remove water inside the *Air Spa* jets.

- 37 Turn off *Air Spa* by pressing the  *Air Spa* - whole tub button again.

Follow additional steps 38-40 after the last bath of the day.

- 38 Wipe the inner wall of the bath vigorously with a cloth soaked in the disinfectant solution to remove any build up of biofilm that may have accumulated during the day. (See Fig. 2)

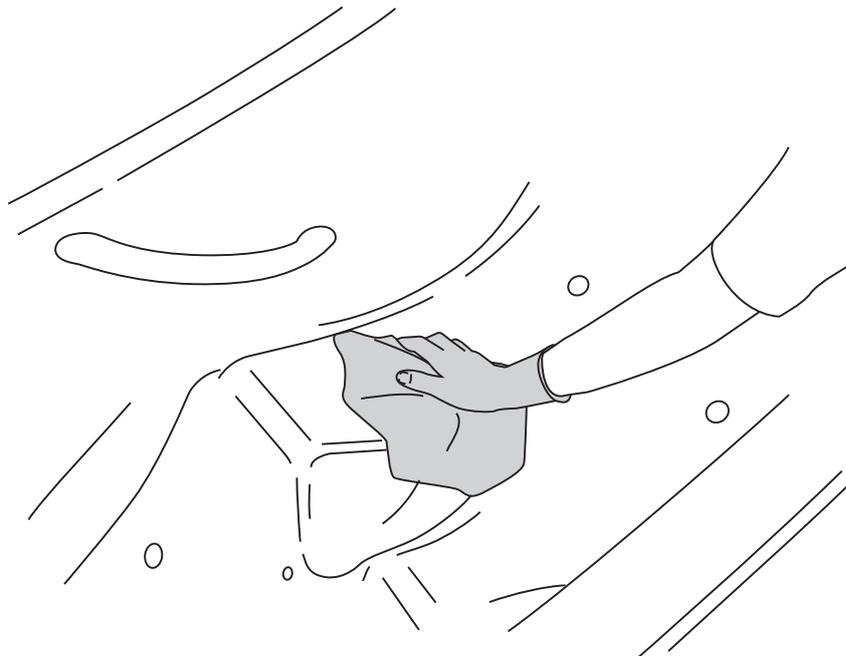
- 39 Rinse thoroughly with water until no residual disinfectant is visible.

- 40 Leave to air dry so that the bath is clean, disinfected and ready to be used the next morning.

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Disinfecting *Parker* using *Multi Clean*

WARNING

To prevent cross-contamination, always follow the disinfection instructions in this *Instructions for Use*. (See Fig. 1)

Follow steps 1- 29 after bathing each resident.

- 1 Check the level of the disinfectant in the disinfectant bottle.
- 1 Raise the bath tub to convenient working height.
- 2 Open the drain and make sure it is empty of water.
- 3 Detach and place the accessories (if applicable) such as head cushion, back support cushions and leg rest, at the bottom of the bath tub.
- 4 Shower and rinse the bath and accessories with water.
- 5 Lift out the spray handle from the *Multi Clean* disinfection system and hold it over the bath tub.
- 6 Turn the ON/OFF control on the *Multi Clean* to the ON position. Turn the function selection control to the disinfection setting (yellow).
- 7 Adjust water temperature so that disinfectant mixtures reaches approximately 20° C (68°F).
- 8 Apply the disinfectant by spraying all internal bath surfaces, and the accessories in the bottom of the tub. (See Fig. 2)
- 9 Scrub the surfaces with a soft bristle brush or cloth to remove any build up of biofilm which may have been deposited.

For *Parker* without *Air Spa* continue from step 15.

Additional steps 10 - 14 for *Air Spa* only:

- 10 The *Parker* must be tilted backwards to disinfect through all nozzles.
- 11 Place the disinfection spray handle into the disinfectant/rinsing inlet and turn either way to secure it (some force may be needed). (See Fig. 3)
- 12 Press the trigger handle and hold it until the disinfectant agent flows from all *Air Spa* nozzles.
- 13 Let it run for another 30 seconds.

NOTE

Disinfection should be distributed through all *Air Spa* nozzles, or proper disinfection can not be guaranteed. Contact an ArjoHuntleigh technician if that problem occurs.

- 14 Remove the disinfection spray handle from the disinfectant/rinsing inlet
- 15 Turn the *Multi Clean* control to the OFF position.
- 16 Place the disinfection spray handle in its holder.
- 17 Let the disinfectant agent act for about 10 minutes, during this time clean all surfaces. (See Fig. 4)

Disinfection steps continue on the back of next page.

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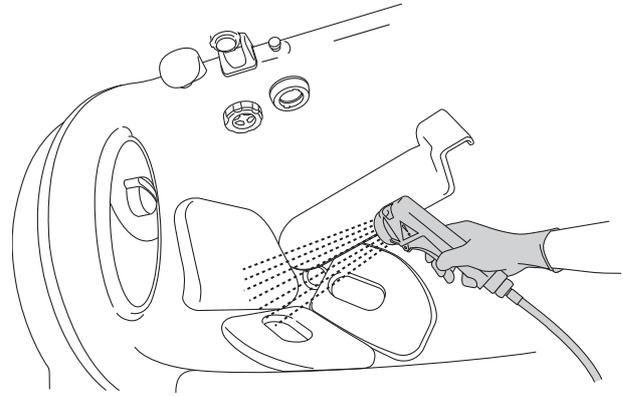
**Arjo Disinfectant
Cleanser IV (60)**

**Arjo General Purpose
Disinfectant (35)**

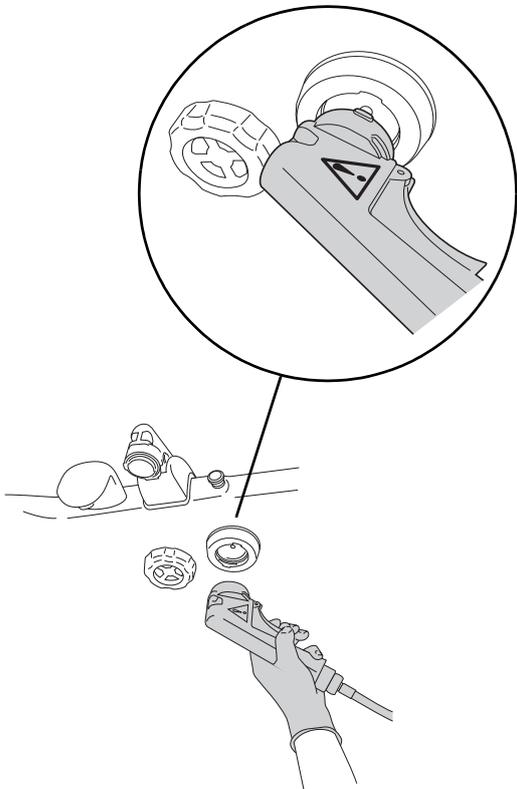
Arjo Clean (30)

Cen-Kleen IV (30)

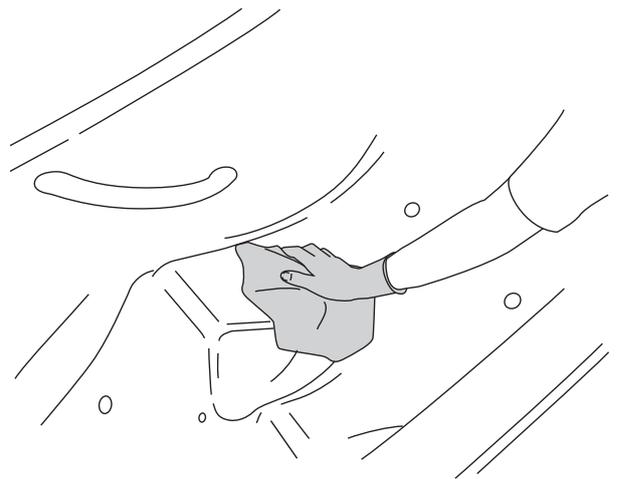
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- 18 Wipe all other contact areas such as the outside of the bath (particularly behind the head area), metal sensory knobs, door seals and the hand control with a cloth soaked in disinfectant solution.
- 19 Turn the function selection control on the *Multi Clean* to the rinse setting (blue).

For Parker without Air Spa continue from step 25.

Additional steps 20-24 for Air Spa only:

- 20 The *Parker* must be tilted backwards to rinse through all nozzles.
- 21 Place the water spray handle into the disinfectant/rinsing inlet and turn either way to secure it (some force may be needed).
- 22 Press the trigger handle and hold it until clean water flows from all nozzles.
- 23 Let it run for another 30 seconds.
- 24 Remove the shower handle from the disinfectant/rinsing inlet.
- 25 Rinse the bath and the accessories.
(See Fig. 1)
- 26 Place the spray handle back into the holder on the *Multi Clean* and turn the unit off.

Additional steps 27-29 for Air Spa only:

- 27 Press twice on the  *Air Spa* button for the whole bath, to activate the highest *Air Spa* intensity.
- 28 Keep it running for 30 seconds to remove residual water from within the *Air Spa* jets.
- 29 Turn off *Air Spa* by pressing the  *Air Spa* - whole tub button again.

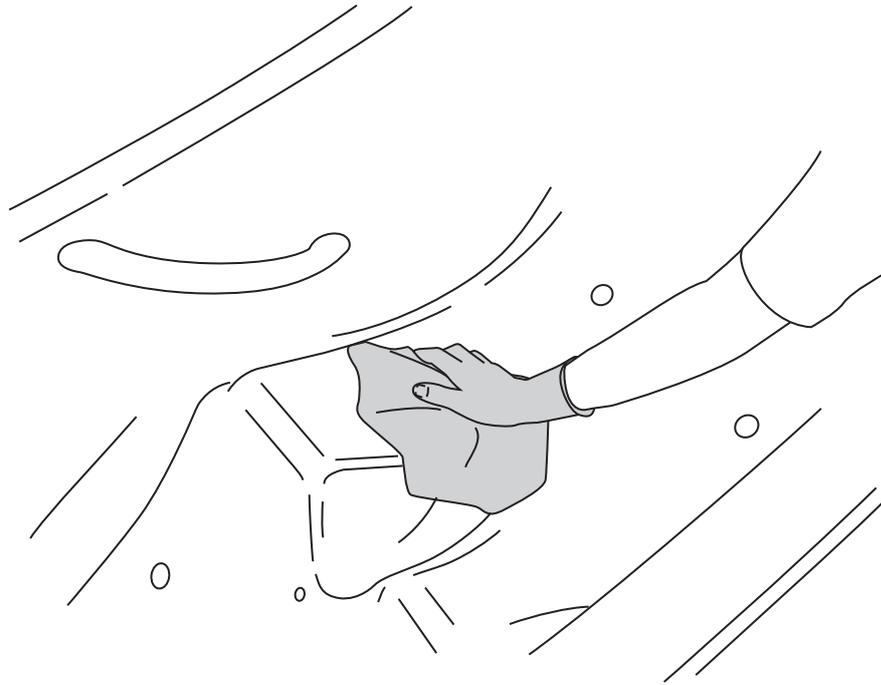
Follow additional steps 30-32 after the last bath of the day.

- 30 Wipe the inner wall of the bath vigorously with a cloth soaked in the disinfectant solution to remove any build up of biofilm that may have accumulated during the day.
(See Fig. 2)
- 31 Rinse thoroughly with water until no residual disinfectant is visible.
- 32 Leave to air dry so that the bath is clean, disinfected and ready to be used the next morning.

1



2



Care and Preventive Maintenance

The *Parker* is subject to wear and tear, and the following actions must be performed when specified to ensure that the product remains within its original manufacturing specification.

WARNING

To avoid malfunction resulting in injury, make sure to conduct regular inspections and follow the recommended maintenance schedule. In some cases due to heavy use of the product and exposure to aggressive environment more frequent inspections should be carried out. Local regulations and standards may be more stringent than the recommended maintenance schedule.

PREVENTIVE MAINTENANCE SCHEDULE: *Parker*

| CAREGIVER OBLIGATIONS Action/Check | Every DAY | Every WEEK | Every MONTH |
|---|---|------------|-------------|
| Disinfect | X | | |
| Visually check all exposed parts | | X | |
| Check pillows/leg rest | | X | |
| Visually check hoses, pipes and connections | | X | |
| Check hand control and cable | | X | |
| Check door/seal | | X | |
| Perform functionality test | | X | |
| Check/clean shower heads | | | X |
| Exercise the thermostat mixer | | | X |
| Check/clean filters incoming water | | | X |
| Check electrical installation (to be performed by authorized electrician) | Intervals according to local requirements | | |

WARNING

To avoid injury to both resident and caregiver, never modify the equipment or use incompatible parts.

WARNING

To avoid injury and/or unsafe product, the maintenance activities must be carried out at the correct frequency by qualified personnel using correct tools, parts and knowledge of procedure. Qualified personnel must have documented training in maintenance of this device.

| QUALIFIED PERSONNEL Action/Check | Every YEAR | Every 3:rd YEAR | Every 5:th YEAR |
|--|---|-----------------|-----------------|
| Lubricate moving parts | X | | |
| Check all vital parts for corrosion/damage | X | | |
| Check door/seal parts | X | | |
| Perform full feature functionality test | X | | |
| Check mechanical attachments | X | | |
| Check backflow prevention | X | | |
| Check that the latest upgrades have been implemented | X | | |
| Check and if necessary adjust thermostatic mixer and thermometer | X | | |
| Check/replace seal kit or complete shower handle | X | | |
| Test battery | X | | |
| Check hoses and connections for leaks and damage | X | | |
| Check the earth wiring connection | X | | |
| Check/clean filters incoming water | X | | |
| Check valves replace if necessary | X | | |
| Check dosage disinfection | X | | |
| Check emergency stop | X | | |
| Check actuator lifetime | X | | |
| Check/replace flow restrictors | X | | |
| Replace filter air-blower (Air-Spa) | | X | |
| Replace air jet caps and diaphragms | | X | |
| Replace all pressurized water hoses | | | X |
| Replace battery | | | X |
| Mixer check | Intervals according to UK local requirements only | | |

NOTE

All Caregiver Obligations are to be checked when performing the Qualified Personnel Service.

Caregiver Obligations

Caregiver obligations shall be carried out by personnel with sufficient *Parker* knowledge following the instructions in this *IFU*.

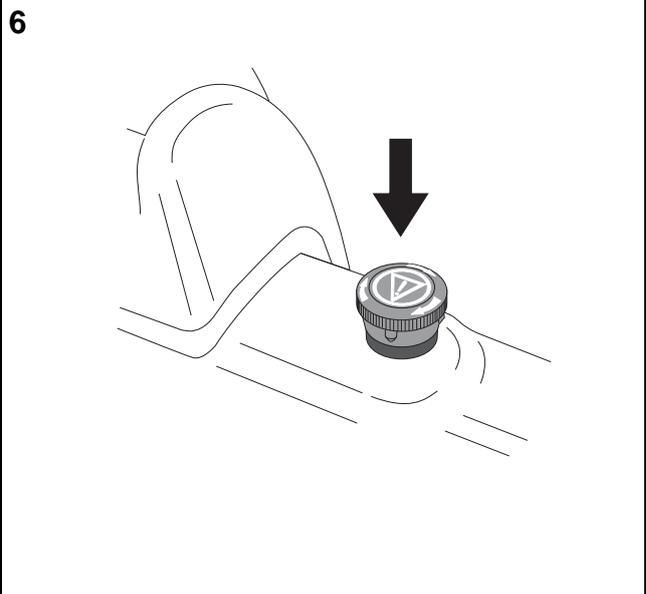
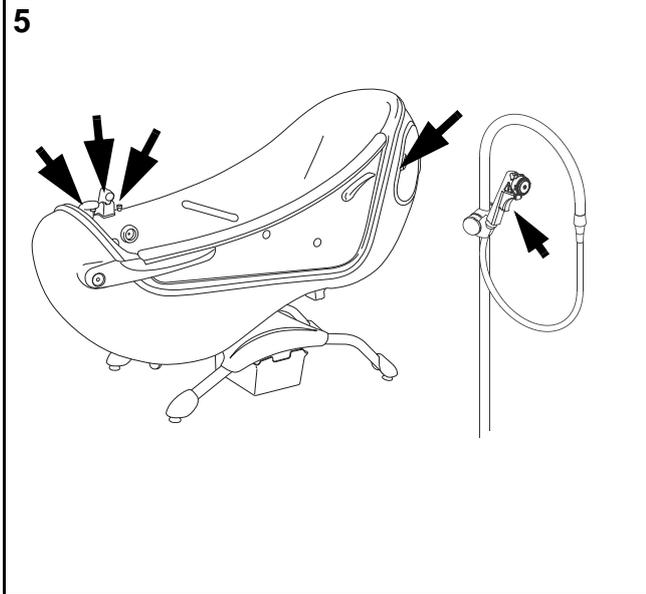
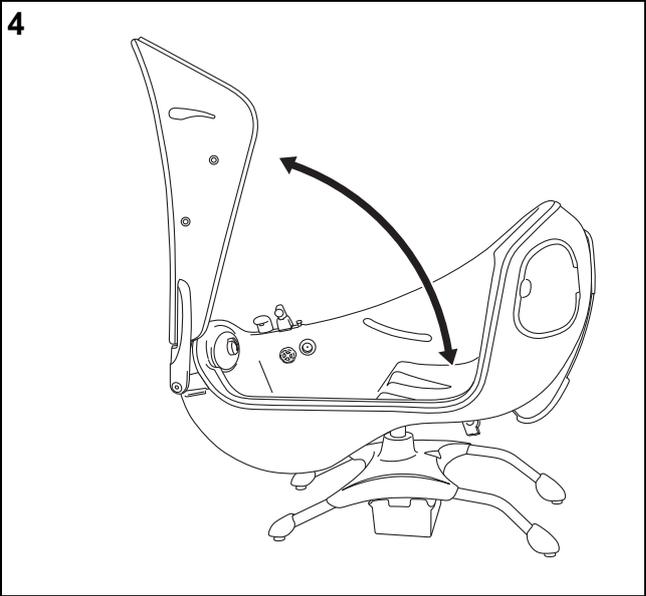
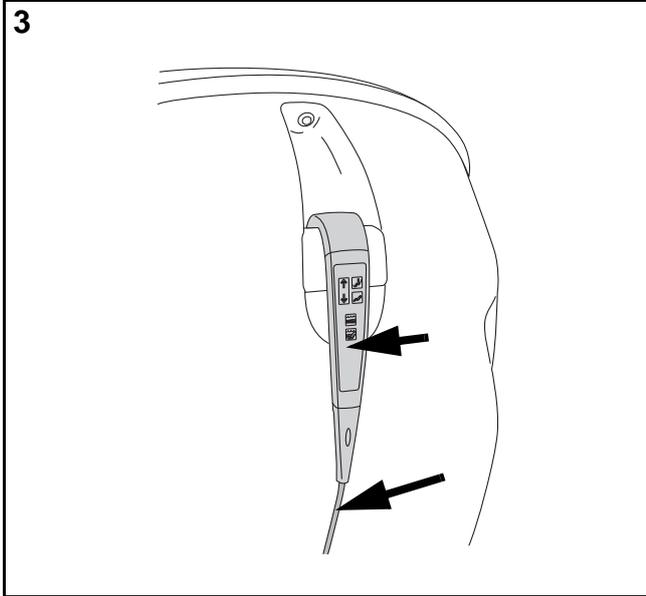
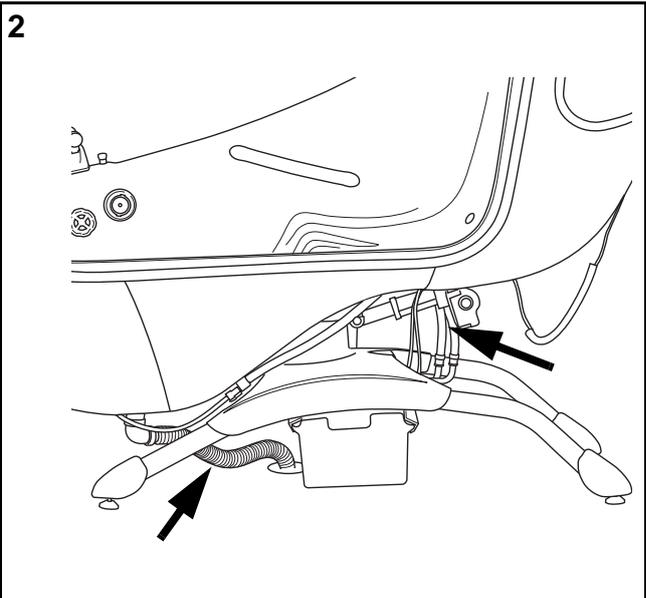
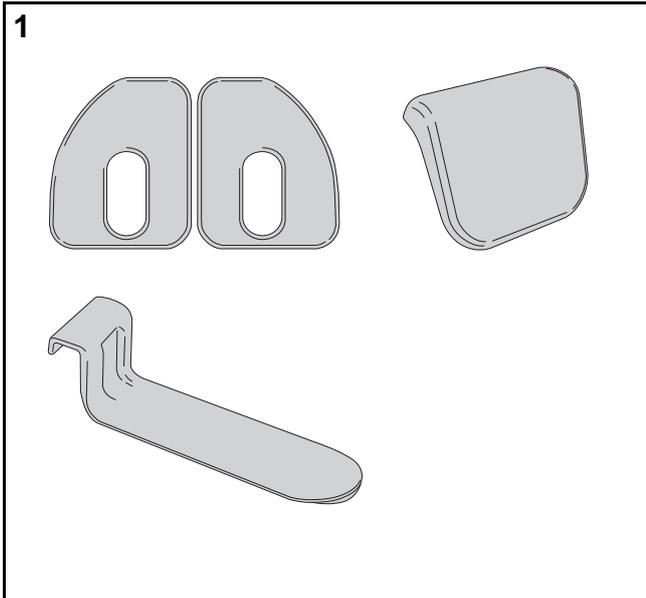
Every day

- **Disinfect**
Parker has to be disinfected immediately after use. ArjoHuntleigh disinfection liquids should be used in recommended concentrations.

Every week

- Visually check all exposed parts, especially where personal contact is made by either the resident or caregiver. Make sure no cracks or sharp edges have developed that could cause the resident or user injury or that has become unhygienic and can cause cross-contamination. Any use of chlorine or alcohol can damage the bath tub and cause cracks.
- **Check pillows/leg rest** to make sure there are no cracks or tears that would allow water to get into the filling. If there is such damage, replace. (See Fig. 1)
- **Visually check hoses, pipes and connections:** Visually inspect for leaks of any kind by looking under the tub. (See Fig. 2)
- **Check hand control and cable:** Visually check the condition of the hand control and its cable. Replace as per below if cut or damaged. (See Fig. 3)
The hand control can be replaced without ArjoHuntleigh support.
- To replace the hand control: Pull the cord connector out from under the back shell located behind the back seat area of the *Parker*. Reach in and plug in the new cord connector of the new hand control.
- **Check door/seal:** Open and close the door and check its supports for correct function i.e the door should not drop by itself during closing. Check the lock for proper function. (See Fig. 4)

- Examine the door seal for cuts, tears or distortion.
- **Perform functionality test: (See Fig. 5)**
- Test all functions. Water, *Air Spa* and tub movement.
- With water on: check shower hose and shower handle for damage. Replace if damaged. The shower handle can be replaced without ArjoHuntleigh support.
- If the shower stand on the *Parker* GB is damaged, contact and ArjoHuntleigh technician.
- Check the emergency stop function by pushing down the button. (See Fig. 6)
No filling or showering is possible.
Both temperature display background lights will turn off.



Every month

1 Remove and clean the shower head: (See Fig. 1)

- Loosen the screw
- Remove the parts according to the illustration.
- Clean carefully
- Re-assemble. The parts (A) must be assembled before they can be set into the handle.
- Tighten the screw carefully.

2 Exercise the thermostat mixer:

Turn the temperature control back and forth over the whole temperature range with water on. This is particularly important in areas with hard water. (See Fig. 2)

3 Check/clean filters for incoming water:

WARNING

Pressurised system and risk of scalding. Make sure that the valve (A) is closed before removing the cap, this is especially important for the hot water valve.

A rinsing valve with a filter is mounted on each of the two water supply hoses found under the bath. The filter in both valves should be rinsed in the order listed.

(See Fig. 3)

- Close the valves (A). The handles (red for hot water and blue for cold) should be in a cross position.
- Remove the cap (B) with a wrench.
- Pull out the filter (C) and clean it carefully in water.
- Reassemble
- Open the valves

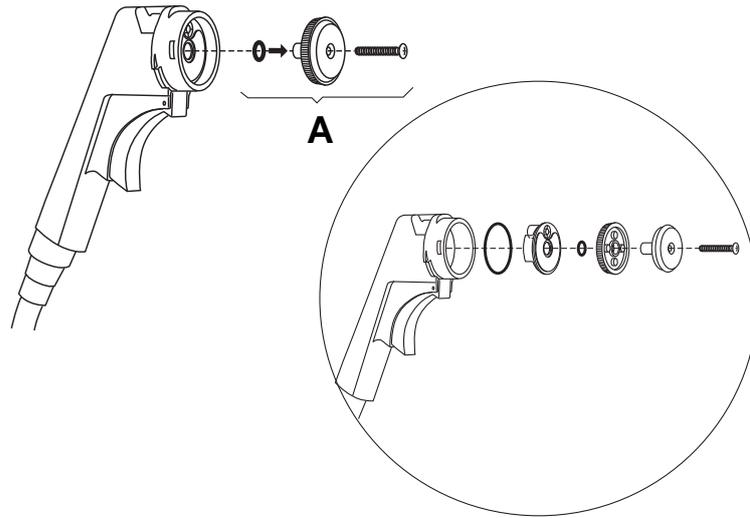
Yearly

Parker has to be serviced according to the *Care and Preventive Maintenance Schedule (Qualified Personnel Action/Check)*.

To make sure that you have a problem free and safe operation, it is recommended to have regular scheduled services with calibration of the thermostatic mixer and thermometer by a trained technician. Relocation of the bath, significant changes or modifications in local water supply may require re-calibration of the thermostatic mixing valve.

Contact your local ArjoHuntleigh technician.

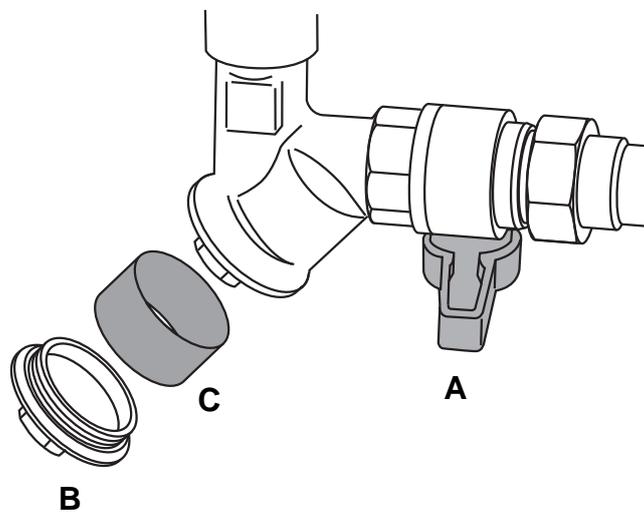
1



2



3



Troubleshooting

NOTE

If the problem can not be solved with the problem solving actions below, please contact an ArjoHuntleigh technician.

| PROBLEM | ACTION |
|--|--|
| <p>Hand control does not work or control panel buttons do not work and the green power indicator LED is on. (not the S&V hand control)</p> <p>Hand control still not working. (not the S&V hand control)</p> | <ol style="list-style-type: none"> 1 Check that the emergency stop is not pressed down. If pressed down then release it by turning the button clockwise. 2 Make sure the Lock function is not active with LED flashing. If lock function is active press the lock button for 2 seconds to deactivate it. 3 If the control panel works check the attachment of the hand control. If attachment is intact, replace the hand control. 4 If attachment of the hand control is intact then check the <i>Air Spa</i> function on the control panel. If the <i>Air Spa</i> buttons on the control panel work, the hand control needs to be replaced. |
| <p>Everything but fill and Air Spa works, the green power indicator LED is off. The temperature displays have no backlight.</p> | <ol style="list-style-type: none"> 1 The power to the bath tub is off with the battery LED indicator turned on. If it is running on battery, finish the bathing and get the resident out safely. 2 Contact an electrician to make sure the power supply is working correctly before next bathing session. |
| <p>Nothing works, the power indicator LED is off and temperature display is off.</p> | <ol style="list-style-type: none"> 1 The power is off and there is a flashing or no battery LED indicator. 2 The battery needs to be replaced and the bath tub will not function until the power is on. Contact qualified personnel for a battery replacement. |
| <p>Fill or shower function stops with a beeping sound.</p> | <ol style="list-style-type: none"> 1 The back light on the temperature display is flashing. 2 Water is too hot and scalding protection has been activated. There is a wrong temperature setting or water supply fault. <div data-bbox="770 1733 1409 1877" style="border: 1px solid black; padding: 5px;"> <p>WARNING Risk of scalding. Drain the water and remove resident safely out of the bath.</p> </div> |
| <p>It is only possible to lower the lift.</p> | <p>The lifting device of this equipment is equipped with a safety nut. If the safety nut will be activated it will only be possible to raise or lower the equipment any more. In case of this scenario stop using the equipment and contact qualified personnel for repair of the equipment.</p> |

| PROBLEM | ACTION |
|--|--|
| Air Spa stops during operation. (option) | <ol style="list-style-type: none"> 1 Normal, if used more than 15 minutes. 2 If used less than 15 minutes it may be over-heated due to high ambient temperature or clogged filter. Can be restarted when cooled off. 3 Power failure. |
| Only the water flow to the shower is slow. | <ol style="list-style-type: none"> 1 Check and clean the shower head according to the <i>Care and Preventive Maintenance</i>. |
| Water flow from shower and filling spout is slow. | <ol style="list-style-type: none"> 1 In order to feel if any hot water is coming in, feel the incoming hot water line to see if hot. 2 Check and clean filter for incoming water according to the <i>Care and Preventive Maintenance</i>. |
| Disinfection does not work. (option, not for GB) | <ol style="list-style-type: none"> 1 Make sure the bath tub is empty of any left over water. If there is water in the bath tub the disinfection LED on the control panel will flash and beep. 2 Make sure disinfection button is pressed in for at least 5 seconds. 3 If the disinfection LED on the control panel is flashing and beeping, it can also indicate that the level of disinfectant bottle is running low and needs to be replaced. See <i>Disinfection Instructions</i> 4 Make sure shower, fill or <i>Air Spa</i> is not activated and try again. 5 If power is off and the bath tub is running on battery, the disinfection will not work. |
| Auto fill function will not stop filling after footwell level. (option) | <ol style="list-style-type: none"> 1 Metal sensory plugs need cleaning because of collected build up. See <i>Disinfection Instructions</i> |
| Sound & Vision (S&V) hand control is not working. (option) | <ol style="list-style-type: none"> 1 The LED on the remote control should flash when active. 2 If it's not flashing, replace the S&V hand control. |
| Sound & Vision Sound is not working, but tub light is working. (option) | <ol style="list-style-type: none"> 1 The USB memory stick may be defective. If possible, check the USB LED light for indication. Solid light = power ON, Flashing light = reading. 2 Test another USB memory stick. |
| No Sound & Vision light but sound is working. (option) | <ol style="list-style-type: none"> 1 Light is broken and it needs to be replaced by qualified personnel. |

Technical Specifications

TECHNICAL DATA

| General | |
|--|--|
| Tub length in the upright position | 1855 mm / 73 inches |
| Tub length in reclined position | 1960 mm 77 1/8 inches |
| Tub width | 750 mm / 29 1/2 inches |
| Height of door with bath in highest position, feet in lowest position | 2510 mm 98 7/8 inches |
| Maximum resident/patient weight | 210 kg / 463 lbs |
| SWL (Safe Working Load) (resident + water) | 300 kg / 661 lbs |
| Transfer height at lowest position | 565 mm / 22 1/4 inches |
| Transfer height at highest position | 685 mm / 27 inches |
| Max Duty Cycle Lift/Hi-Lo | 1 min ON, 9 min OFF |
| Max duty cycle <i>Air Spa</i> | 15 min ON, 15 min OFF |
| Operating forces of controls (Control Panel) | 4 N |
| Operating forces of controls (Hand Control) | 3 N |
| Operating forces of controls (S&V Hand Control) | 3 N |
| Medical Equipment | Type B  |
| Pollution degree | 2 |

| Water | |
|---|----------------------|
| Water consumption (prefilled foot well volume) | 96 Litres / 25,4Gal |
| Filling time at 3.0 Bar (43.5 PSI) dynamic pressure (prefill) | 100 seconds |
| Water content up to overflow level | 230 Litres / 60,8Gal |
| Water content up to auto fill level | 96 Litres / 25,4Gal |
| Emptying time from auto fill level (96 L) | 3 min |
| Thermometer display range | 10-50°C (50-122°F) |
| Accuracy of thermometer display | +/-1°C (1,8°F) |
| Precision of displayed value | 1°C (1,8°F) |

| Motion | |
|--|------------------|
| Raising time with full load (approximately) | 16 +/- 5 seconds |
| Lowering time with full load (approximately) | 12 +/- 5 seconds |

| Sound Levels | |
|--|--------|
| Sound level at raising / lowering Hi/Lo, no load | 61 dBA |
| Sound level of <i>Air Spa</i> | 83 dBA |
| Sound level tilt, No load | 60 dBA |

| Battery | |
|---------------------|-----------|
| Battery Type | Lead, 24V |
| Battery Type Number | 59776 |

| IP Classification | |
|--|-------|
| IP Class | IP X4 |
| IP Class hand control and <i>Sound & Vision</i> Hand control | IP X7 |

| Weight | |
|---|-------------------------------|
| <i>Parker</i> depending on selected options (excluding packaging) | 124 - 131 kg 273 - 289 lbs |

| Recycling | |
|------------------|--|
| Package | Wood and corrugated cardboard, recyclable |
| The product | Electric, steel and plastic parts shall be separated and recycled according to WEEE |
| Battery | Recyclable, Not for disposal. Environmental danger. The device contains a lead battery that shall be disposed according to local regulations |

| Disposal of <i>Parker</i> | |
|----------------------------------|---|
| Bathtub | The device is marked with the WEEE symbol to indicate that it is electronic equipment covered by the Directive 2002/96/EC on waste electrical and electronic equipment. In European countries the crossed out wheeled-bin WEEE symbol reminds you that all the electrical and electronic products, batteries and accumulators must be taken to separate collection at end of their working life. This requirement applies in the European Union. Do not dispose these products as unsorted municipal waste. You can return your device and accessories to ArjoHuntleigh or you can contact your local authorities for advice on disposal. |

SITE PREPARATION

| Floor | |
|------------------------|----------------------------|
| Maximum floor load | 450 kg / 0,8m ² |
| Maximum floor pressure | 0,6 N/mm ² |

| Operating Conditions | |
|-----------------------------|----------------------------|
| Max ambient temperature | 10°C - 40°C (50°F -104° F) |
| Max. relative humidity | 30% - 95% Rh |
| Atmospheric pressure range | 800 hPa to 1060 hPa |

| Transport and Storage | |
|------------------------------|------------------------------|
| Ambient temperature range | -20°C - 70°C (-4°F - 158°F) |
| Relative humidity range | 10% - 80% Rh (not condensed) |
| Atmospheric pressure range | 500 hPa to 1100 hPa |

| Electrical Data: EU and North America | |
|---|-----------------------------------|
| Voltage | 230V (EU) 120V (North America) |
| Frequency | 50Hz (EU) 60Hz (North America) |
| Power consumption (max) | 900VA |
| Number of phases | Single phase AC |
| Fuses | 230 V 10 A 120V 13A |
| Protective earth | Yes |
| Potential equalisation | Yes |
| Power supply cord replaced by qualified personnel | |

| Mains disconnection device | |
|--|--|
| Permanently installed in wall, visible and accessible at all times | |
| Mains transient voltage | 4 kV* |
| Creepage distance | 3 mm* |
| Air clearance | 1,8 mm* |
| Direction of movement | Up and down, right and left, clockwise and counterclockwise |
| * If local regulations are higher, they must be met. | |

WARNING

To avoid electric shock, make sure that the equipment is connected to:

- Continuously powered supply mains with protective earth.
- Separate fuse and ground fault circuit interrupter (GFCI)
- A mains disconnection device
- Equipotential bonding point

All installations must be in accordance with local codes and regulations.

WATER SUPPLY

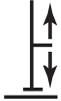
| Drain requirement | |
|------------------------|-------------------------|
| Flow capacity | 100 L/min, 26.4 Gal/min |
| Position (floor, Wall) | either |

| Water (Hot and Cold) | |
|---|-------------------------|
| Connection | 3/4" B.S.P female |
| Upper limit static pressure | 6 bar / 87 PSI |
| Recommended dynamic pressure, at 8°C (46°F) and at 80°C (176°F) flow of 58 L/min (15,3 Gal/min) | 3 bar / 43 PSI |
| Lower limit dynamic pressure at 8°C and at 80°C and 26 L/min flow (GB) | 0,8 bar / 12 PSI |
| Lower limit dynamic pressure at 8°C (46°F) and 80°C (176°F) degrees and 29 L/min (7,7 Gal/min) flow. (North America without disinfection) | 1 bar / 15 PSI |
| Lower limit dynamic pressure at 8°C (46°F) and 80°C (176°F) degrees and 45 L/min (11,9 Gal/min) flow. (All other markets) (North America with disinfection) | 2 bar / 29 PSI |
| Maximum pressure difference between hot and cold water | +/- 0,5 bar / +/- 7 PSI |
| Cold water lower limit temperature | 2°C (36°F) |
| Cold water upper limit temperature | 20°C (68°F) |
| Hot water lower limit temperature | 60°C (140°F) |
| Hot water upper limit temperature | 80°C (176°F) |

| Microbiological Demands |
|---|
| Fulfil WHO:s demands on drinking water and the Drinking Water Directive (DWD) in EU |

Labels on the *Parker*

On the data label you will find the following information:

| | |
|---|---|
|  | Lifting Stroke |
| Max patient weight | Maximum weight of the resident/patient |
| Max Load | Resident and Water |
| Input Voltage | Voltage feed |
| Input Power | Power |
| Fuse F1 Fuse F2 Fuse F3 | Identity of fuses |
|  | Type B Applied part. Degree of Protection - Electrical shock |
| Class 1 | Type of protection - grounded |
| IP X4 | Degree of Protection (i.e. the product is protected against splashing water) |
| <i>Air Spa</i> Duty Cycle | Time span of having <i>Air Spa</i> turned ON and OFF. |
| Lift Duty Cycle | Time span of lifting <i>Parker</i> and rest time. |
|  | Read <i>IFU</i> before use |
|  | Separate electrical and electronic components for recycling in accordance with the European Directive 2002/96/EC (WEEE) |
|  | Water Supply (Water Fittings) Regulations 1999 (the Water Byelaws 2000 in Scotland) |

| | |
|---|---|
|  | CE marking in accordance with The Medical Devices Directive 93/42/EEC. The equipment has been EMC-tested and fulfils all requirements according to IEC 60601-1-2. |
|  | Classified by Underwriters Laboratories Inc. with respect to electrical shock, fire, mechanical, hazards and other specified hazards only in accordance with: UL 2601-1 and CAN/CSA-C22.2 No 601.1-M90. |
|  | Recognized by Underwriters Laboratories Inc. with respect to electric shock, fire, mechanical hazards and other specified hazards only in accordance with UL 60601-1 and CAN/CSA - C 22.2 No 601.1-M90. |

Caution label

States the potential hazard.

Calibration label

The label is located on the control panel at delivery. It states that water temperature calibration must be done before first use and calibrated after every installation. See *Assembly and Installations Instructions* and call an Arjo-Huntleigh technician.

Product Feature label

States the product feature name and recycling requirements.

Equipotential bonding

The lug is placed on the head end of the bath tub.

MODEL: AL2 XXXX EU
Parker bath

120 mm
4 3/4"

Max Patient Weight
210 kg / 463 lbs

Max Load
300 kg / 661 lbs

Model Type : Parker Bath 500
Input Voltage : 230V - 50Hz
Input Power : 900VA

Type of Protection Class I
Degree of Protection IP X4
Ingress of Water 15 min on / 15 min off
Air Spa Duty Cycle (Optional) 15 min on / 15 min off
L ft Duty Cycle 1 min on / 9 min off

CE 0086

Read the operating instructions before use
Merci de prendre connaissance de la notice d'utilisation
Lesen Sie bitte die Bedienungsanleitung durch

ArjoHuntleigh AB
Verkstadsvägen 5
241 38 Estöv, SWEDEN
Made in Sweden

Data label EU

MODEL: AL2 XXXX-US
Parker Bath 500

120 mm
4 3/4"

Max Patient Weight
210 kg / 463 lbs

Max Load
300 kg / 661 lbs

Model Type : Parker Bath 500
Input Voltage : 120V - 60Hz
Input Power : 900VA

Type of Protection Class 1
Degree of Protection IP X4
Ingress of Water 15 min on / 15 min off
Air Spa Duty Cycle (Option) 15 min on / 15 min off
L ft Duty Cycle 1 min on / 9 min off

HOSPITAL GRADE. Ground reliability can only be achieved when connected to an equivalent receptacle marked "Hospital Only" or "Hospital Grade"

CLASSIFIED
UL **US**
4ML5

MEDICAL ELECTRICAL EQUIPMENT
UL60601-1 and
CAN/CSA - C22.2 No. 601.1
3P57

Read the operating instructions before use
Merci de prendre connaissance de la notice d'utilisation
Lesen Sie bitte die Bedienungsanleitung durch

ArjoHuntleigh AB
Verkstadsvägen 5
241 38 Estöv, SWEDEN
Made in Sweden

Data label US

Model: 8561139 120
Sound and Vision

100 120 V-50/60 Hz
Max 35VA
IP X4
CLASS I

F1 T2AL 250V
F2 T500mAL 250V

C **UL** **US**
4ML5

Read the operating instructions before use
Merci de prendre connaissance de la notice d'utilisation
Lesen Sie bitte die Bedienungsanleitung durch

ArjoHuntleigh AB
Verkstadsvägen 5
241 38 Estöv, SWEDEN
Made in Sweden

Sound & Vision Data label US

CAUTION

Electrical Shock Hazard
Do not remove cover refer servicing to a qualified technician

8418718

Example of Caution label

WARNING!
Do not use before calibration.

FR
AVERTISSEMENT!
Ne pas utiliser avant calibration.

DE
WARNUNG!
Vor der Kalibrierung nicht benutzen.

NL
WAARSCHUWING!
Niet gebruiken vóór kalibreren.

IT
AVVERTENZA!
Non utilizzare prima della taratura.

ES
ADVERTENCIA!
No utilizar antes de la calibración.

PL
UWAGA!
Nie używać przed przeprowadzeniem kalibracji.

8418722 A

Calibration label located on control panel before first use

CLASSIFIED
UL **US**
4ML5

MEDICAL EQUIPMENT
4ML5
UL60601-1 and
CAN/CSA - C22.2 No. 601.1-1M90

CLASSIFIED
UL **US**
4ML5

PATIENT BATHING UNIT
IN ACCORDANCE WITH

ANSI/ASSE 1001-2002
ANSI Z124.1.2-2005
ANSI/ASSE 1014-2005
ANSI/ASSE 1016-2005
ANSI/ASME A112.19.7-2006
CAN/CSA B45.0-02
CAN/CSA B45.5-02
CAN/CSA B64.0-01
CAN/CSA B64.1.1-01
CAN/CSA B64.1.2-01

8440134 C

Example of approval label

8360890

Sound & Vision

ARJO HOSPITAL EQUIPMENT AB, ESLÖV SWEDEN

8418710 A

Example of Product Feature label



Example of Equipotential bonding lug label



Applied part



Example of approval label

Year Week Running Assembly Number

1002XXXXX

Product no
CCB7001-01

Serial no
1002XXXXX

Made by Arjo in Estöv, Sweden
010115

Example of Identification label

Approvals and List of Standards

| | |
|---|--|
| EN/ISO/IEC/UL 60601-1 | Medical electrical equipment Part 1: General requirements for basic safety and essential performance. |
| EN 60601-1-2 | Electromagnetic Compatibility - Requirements and Tests |
| CAN/CSA-C22.2 No. 601.1 | Medical equipment Certified for Canada |
| ANSI Z124. 1 | Standards for Plastic Bathtub Units |
| ANSI/ASME A112.19.7 | Whirlpool Bathtub Appliances |
| ASSE 1001 CSA B64.1.1 | Pipe Applied Atmospheric Type Vacuum Breaker |
| ANSI/ASSE 1014 | Handheld Shower |
| ANSI/ASSE 1016 | Individual Thermostatic, Pressure Balancing and Combination Pressure Balancing and Thermostatic Control Valves for Individual Fixtures. |
| EN 1717 | Protection against pollution of portable water in water installation and general requirements of devices to prevent pollution by back-flow. |
|  | Water Supply (Water Fittings) Regulations 1999 (the Water Byelaws 2000 in Scotland) WRAS approved to the UK Water Supply Byelaws. WRAS approval to: National Health Service Model Engineering Specification D 08-TMV3. Thermostatic Mixing Valves (Healthcare Premises). Designation Code: HP/LP-S41/T44. |

Electromagnetic Compatibility

Medical electrical equipment needs special precautions regarding EMC (Electromagnetic compatibility) and needs to be used according to the EMC information below.

Portable and mobile RF communications equipment can affect *Parker*.

WARNING

Stacking or placing other electrical equipment next to this device is not recommended, it can interfere with the equipment's operation and safety. Portable and mobile radio-frequency (RF) communications equipment can interfere with this equipment operation and safety.

WARNING

The equipment may cause radio interference or may disrupt the operation of nearby equipment. It may be necessary to take action, such as reorienting, relocating the equipment or shielding the location.

Guidance and manufacturer's declaration – electromagnetic emissions

The *Parker* is intended for use in the electromagnetic environment specified below. The customer or the user of the *Parker* should assure that it is used in such an environment.

| Emissions test | Compliance | Electromagnetic environment – guidance |
|--|------------|--|
| RF emissions CISPR 11 | Group 1 | <i>Parker</i> uses RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment. |
| RF emissions CISPR 11 | Class B | <i>Parker</i> is suitable for use in all establishments, including domestic establishments and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes. |
| Harmonic emission IEC 61000-3-2 | Class A | |
| Voltage fluctuations/ flicker emission IEC 61000-3-3 | Complies | |

Guidance and manufacturer's declaration – electromagnetic immunity

The *Parker* is intended for use in the electromagnetic environment specified below. The customer or the user of the *Parker* should assure that it is used in such an environment.

| Immunity test | IEC 60601 test level | Compliance level | Electromagnetic environment – guidance |
|--|---|---|---|
| Electrostatic discharge (ESD) IEC 61000-4-2 | ± 6 kV contact ± 8 kV air | ± 6 kV contact ± 8 kV air | Floors should be wood, concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30%. |
| Electrical fast transient/burs IEC 61000-4-4 | ± 2 kV for power supply lines ± 1 kV for input/output lines | ± 2 kV for power supply lines input/output lines not applicable | Mains power quality should be that of a typical commercial or hospital environment. |
| Surge IEC 61000-4-5 | ± 1 kV line(s) to line(s) ± 2 kV line(s) to earth | ± 1 kV line(s) to line(s) ± 2 kV line(s) to earth | Mains power quality should be that of a typical commercial or hospital environment. |
| Voltage dips, short interruptions and voltage variations on power supply input lines IEC 61000-4-11 | $<5\% U_T$ ($>95\%$ dip in U_T) for 0,5 cycle $40\% U_T$ (60% dip in U_T) for 5 cycles $70\% U_T$ (30% dip in U_T) for 25 cycles $<5\% U_T$ ($>95\%$ dip in U_T) for 5 s | $<5\% U_T$ ($>95\%$ dip in U_T)for 0,5 cycle $40\% U_T$ (60% dip in U_T) for 5 cycles $70\% U_T$ (30% dip in U_T) for 25 cycles $<5\% U_T$ ($>95\%$ dip in U_T) for 5s | Mains power quality should be that of a typical commercial or hospital environment. |

| | | | |
|---|-------|-------|---|
| Power frequency (50/60Hz) Magnetic field IEC 61000-4-8 | 3 A/m | 3 A/m | Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment. |
| NOTE U_T is the a.c. mains voltage prior to application of the test level | | | |

Lift-functions, tilt-functions and temperature measurement were determined to be Essential Performance.

| Guidance and manufacturer's declaration – electromagnetic immunity | | | |
|---|-----------------------------|-------------------------|---|
| <i>Parker</i> is intended for use in the electromagnetic environment specified below. The customer or the user of <i>Parker</i> should assure that it is used in such an environment. | | | |
| Immunity test | IEC 60601 test level | Compliance level | Electromagnetic environment – guidance |
| Conducted RF IEC 61000-4-6 | 3 Vrms 150 kHz to 80 MHz | 10 Vrms | Portable and mobile RF communications equipment should be used no closer to any part of <i>Parker</i> , including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter. Recommended separation distance $d=0,35\sqrt{P}$ $d=1,2\sqrt{P}$ 80 MHz to 800 MHz $d=2,3\sqrt{P}$ 800 MHz to 2.5 GHz |
| Radiated RF IEC 61000-4-3 | 3 V/m 80 MHz to 2.5 GHz | 3 V/m | Where P is the maximum output power rating of the transmitters in watts (W) according to the transmitter manufacturer and d is the recommended separation distance in metres (m). Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey, ^a should be less than the compliance level in each frequency range. ^b Interference may occur in the vicinity of equipment marked with the following symbol:  |

NOTE 1 At 80 MHz and 800 MHz, the higher frequency range applies.

NOTE 2 These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

^a Field strengths from fixed transmitters, such as base stations for radio (cellular/cordless) telephones and land mobile radios, amateur radio, AM and FM radio broadcast and TV broadcast cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. If the measured field strength in the location in which *Parker* is used exceeds the applicable RF compliance level above, the *Parker* should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as re-orienting or relocating the *Parker*.

^b Over the frequency range 150 kHz to 80 MHz, field strengths should be less than 10 V/m.

Recommended separation distances between portable and mobile RF communications equipment and *Parker*

Parker is intended for use in an electromagnetic environment in which radiated RF disturbances are controlled. The customer or the user of *Parker* can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and the *Parker* as recommended below, according to the maximum output power of the communications equipment

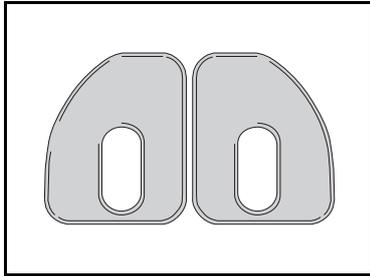
| Rated maximum output power of transmitter W | Separation distance according to frequency of transmitter m | | |
|--|--|--------------------------------------|---------------------------------------|
| | 150 kHz to 800 MHz $d=0,35\sqrt{P}$ | 80 MHz to 800 MHz $d=1,2\sqrt{P}$ | 800 MHz to 2.5 GHz $d=2,3\sqrt{P}$ |
| 0,01 | 0,04 | 0,12 | 0,23 |
| 0,1 | 0,11 | 0,38 | 0,73 |
| 1 | 0,35 | 1,2 | 2,3 |
| 10 | 1,1 | 3,8 | 7,3 |
| 100 | 3,5 | 12 | 23 |

For transmitter rated at a maximum output power not listed above, the recommended separation distance d in metres (m) can be estimated using the equation applicable to the frequency of the transmitter, where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer.

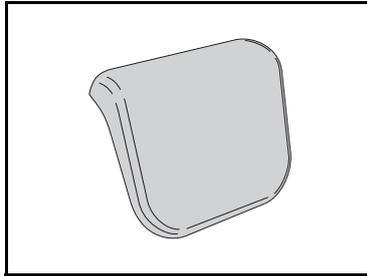
NOTE 1 At 80 MHz and 800 MHz, the separation distance for the higher frequency range applies.

NOTE 2 These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

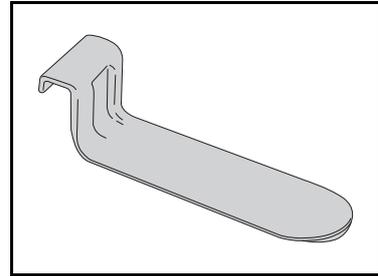
Parts and Accessories



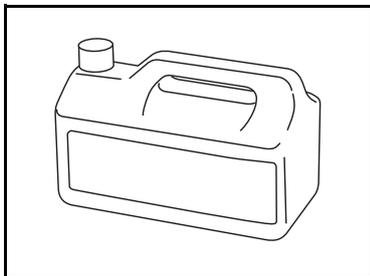
400.00.00.02- Grey
400.00.00.15 - Blue
Back Support Cushion



400.00.00.09 - Grey
400.00.00.16 - Blue
Head Cushion



8257376-031
Leg Rest



For Disinfectant contact
your local representative

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