TALANO DTS

DETACHABLE TRANSFER SYSTEM
USER MANUAL

MADE IN THE UK

BioCote

UK CA CE

Gainsborough
SPECIALIST BATHROOMS
Empowering. Healthcare. Solutions

BIO

INTRODUCTION

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Gainsborough Healthcare Group Ltd., 10 & 11, The Oaks, Clews Rd, Redditch, England B98 7ST.

Contact: Gainsborough Healthcare Group 01527 400022

PREFACE

Additional reading and related information can be obtained upon request, including Circuit Diagrams, Component Parts Lists, Descriptions, Calibration Instructions, and other information that will assist service personnel.

If an alternative format of this or any other documentation is required, please contact your authorised representative or **Gainsborough Healthcare Group Ltd**. on 01527 400022.

INTENDED USE

This equipment is intended to facilitate the bathing of residents in care facilities or in a home care environment. The product is designed to help people who struggle with getting in and out of a bath, especially those with physical limitations. It's useful for both hygiene and relaxation purposes.

The bather sits on a low-positioned seat outside the bath, which is already filled with water. Then, operated by the bath handset, the motorised mechanism lifts the seat vertically. When the mechanism reaches its highest point, it rotates the seat until it's directly over the bathtub. Once the seat is in position above the bath, it slowly lowers into the water. This way, the bather can enjoy their bath comfortably and easily.

RECYCLING

The following materials are used in the manufacture of the bath. Separate the materials and dispose of them at a recycling centre in line with your local authority's recommendations.

- Metal and Acrylonitrile Butadiene Styrene (ABS) plastic
- Packaging: Wood, Cardboard and Plastics
- Glass Reinforced Plastic (GRP) and Wood
- Batteries and other Electrical Components as applicable

FUTURE PRODUCT DEVELOPMENT

Gainsborough Healthcare Group Ltd operates a policy of continuous product development and reserves the right to change specifications and designs without prior notice.

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BATH AND EQUIPMENT OVERVIEW

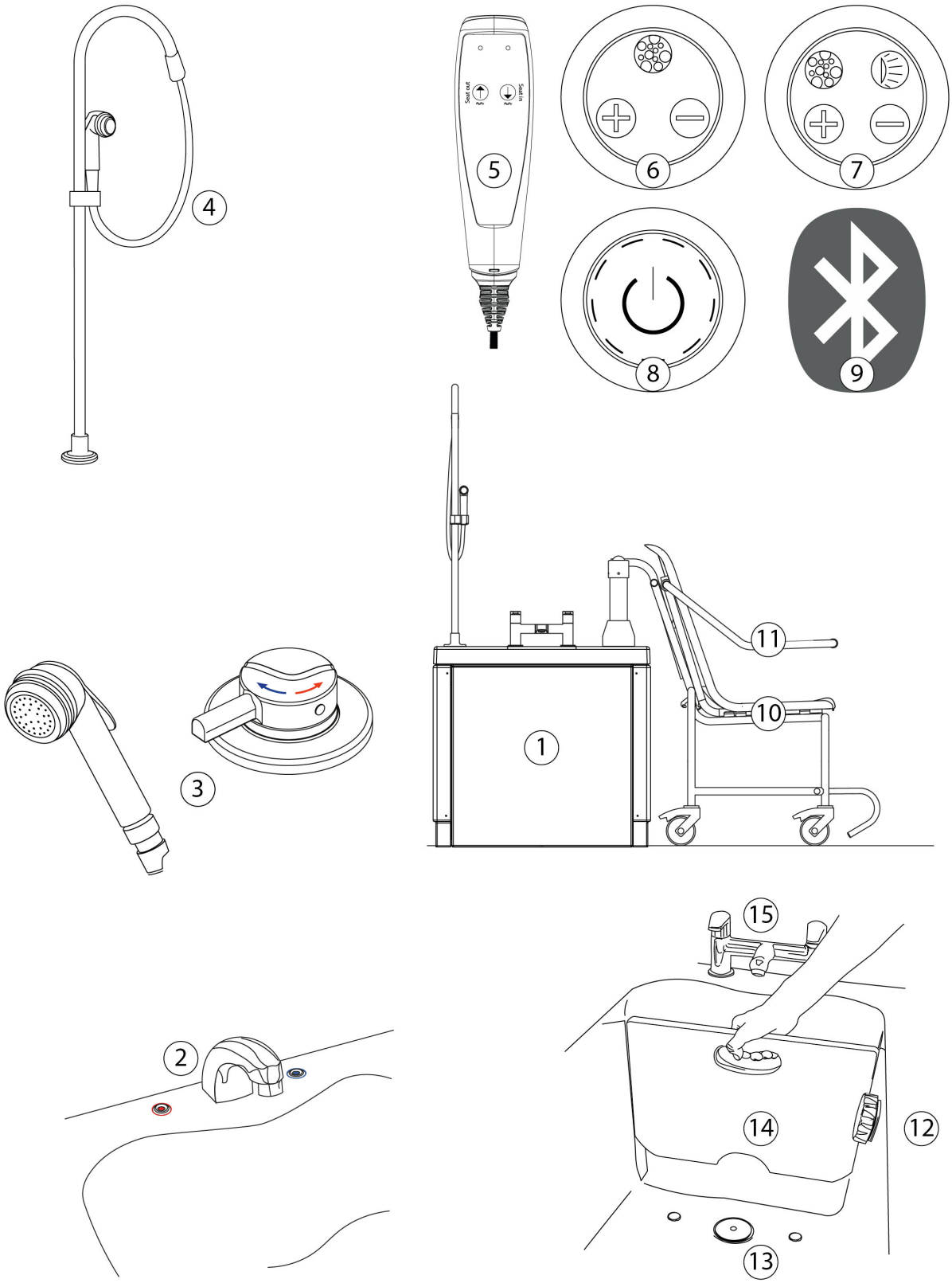

Fig 0406

Key: Refer to Fig 0406

1 Fixed height bath
2 Autofill (Option)
3 Easy Shower 5 shower system and autofill or tap (1700 mm Option)
4 Shepherd's Crook shower system and autofill or tap (Option)
5 Remote handset
6 Air spa (Option)
7 Air spa and chromatherapy lighting (Option)
8 Chromatherapy lighting (Option)
9 Sound system compatible with smart phone and tablets (Option)
10 Powered detachable transfer commode seat
11 Arms - moveable
12 Pop-up waste release
13 Pop-up waste
14 Footboard (1700 mm Option)
15 Twin lever bath filler (Option)

SPECIFICATIONS AND DIMENSIONS

SPECIFICATIONS

Maximum User Weight:	140 kg
Water Capacity:	1500 mm - 200 litres, 1700 mm - 230 litres
Approximate Bath Weight (empty):	1500 mm - 115 kg, 1700 mm - 119 kg
Approximate Bath Weight (full):	1500 mm - 315 kg, 1700 mm - 349 kg
Detachable Transfer System Weight:	Seat/Commode - 8.8 kg Trolley - 10 kg
Typical Mechanical Operation Times:	Seat - 232 secs/cycle
Class 1 Electrical Device	
Power Supply:	Mains 230V to be supplied via 30 mA RCD
Operating Voltage:	24V
Battery Backup:	24V DC (lead acid), for emergency use only
Actuator Duty Cycle:	Max. 10% or 2 min continuous use followed by 18 min not in use. The life cycle test has been performed with a stabilised power supply (10% duty cycle) on a 20 mm stroke actuator at max. load for 10,000 cycles at ambient temperature.
Water Supply:	Unblended hot and cold water at 1 bar min., 3.5 bar max. pressure
Hot Water Temperature:	55°C to 65°C
Cold Water Temperature:	5°C to 20°C
Flow Rate:	10 litres per minute
'A' weighted sound emission:	<60 dB(A)
'A' weighted sound emission with air spa system (option):	<75 dB(A)
Ambient temperature range:	5°C to 50°C
Relative humidity range:	10-80%
Atmospheric pressure range:	50 kPa to 106 kPa
This bath includes BioCote® technology which has been proven to reduce bacteria and even some viruses, including influenza A H1N1, E.coli, MRSA and Pseudomonas.	

DIMENSIONS

Talano 1500 and 1700 mm with Detachable Transfer Seat

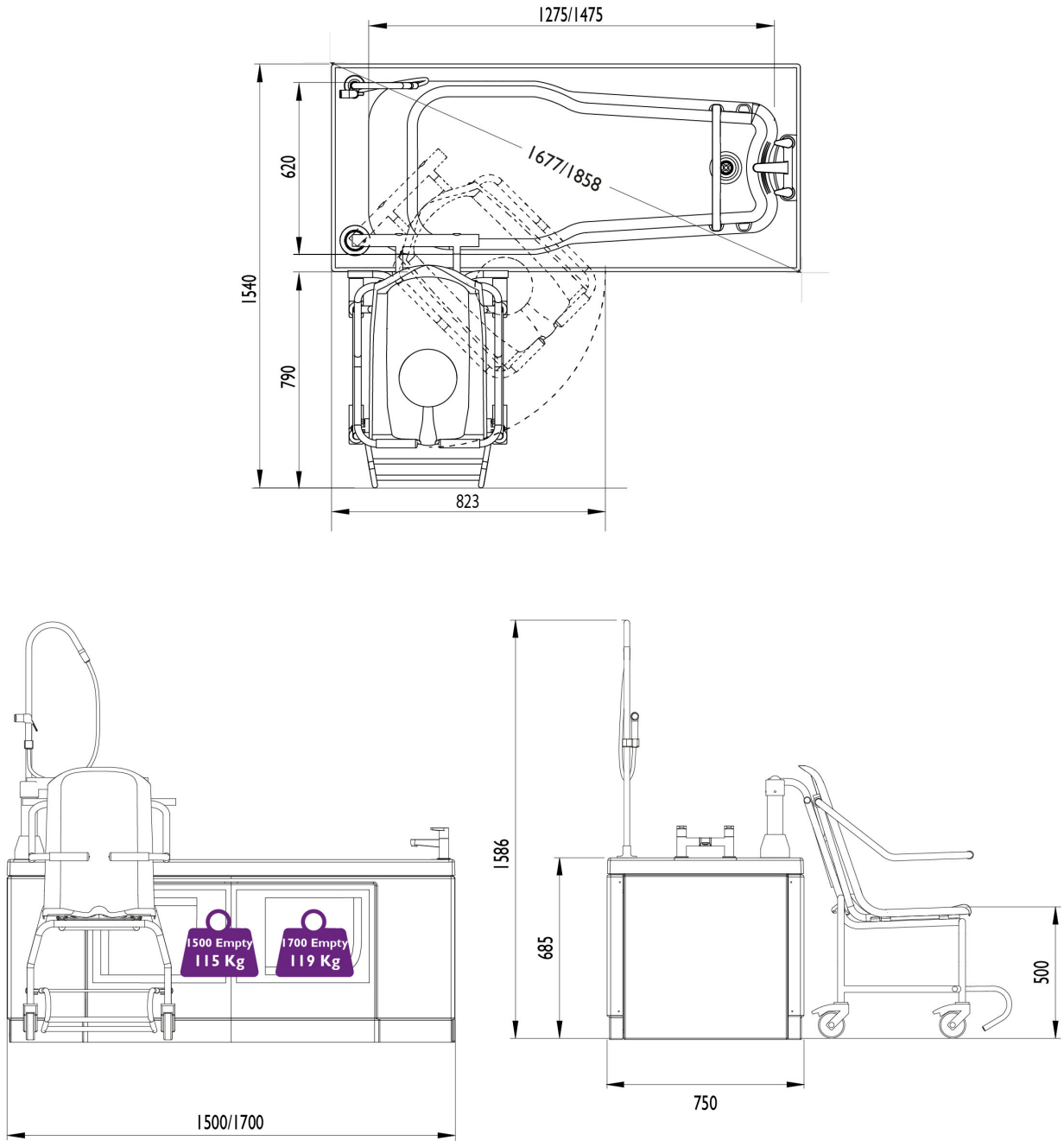

Fig 0024

Dimensions in millimetres (mm). Right-hand example (handing of a bath is indicated by the exit point of the bath when in a seated position).

SAFETY INFORMATION

WARNING RISK OF ELECTROCUTION/FIRE/ENTRAPMENT:
Modifying the bath/equipment could cause serious injury or prove fatal. Under **NO CIRCUMSTANCES** should you modify the bath/equipment.

Your bath, supplied by the **Gainsborough Healthcare Group Ltd.**, is part of a range of products designed and built for bathers in care homes, hospitals and other specialist care environments.

Please ensure that you read and thoroughly understand this user manual. This information is vital for the correct operation of the bath, ensuring the safety of both bather and operator at all times.

Please use this bath in the manner specified in this manual. **Gainsborough Healthcare Group Ltd.** do not take any liability if the product is misused.

To ensure best practice and safety the bath must be operated only by a trained professional with adequate understanding of the specific environment, its common practices and processes. It is vital that regular assessments of the bather are undertaken to ensure the bath remains suitable. **Gainsborough Healthcare Group Ltd.** does not take responsibility for individual product suitability. This is the duty of the care facility.

Depending on configuration, your bath may have sensory features installed. These are for the enjoyment and relaxation of the bather. To ensure these features are used appropriately, the bather's condition must be assessed prior to operation.

Accessories and any detachable parts must be used as described in this user manual and must not be modified or used with other equipment not specified in this user manual.

This bath is for hygiene and relaxation purposes only. DO NOT use for any other purpose.

To avoid entrapment, make sure that the path of movement is free from obstacles. Make sure the bather retains a comfortable and safe position. To avoid injury, do not leave the bather at any time. **Gainsborough Healthcare Group Ltd.** does take any liability if misused in this manner.

Any modifications to the bath or significant changes to its surrounding environment and installation may affect important safety and performance related functions. **Gainsborough Healthcare Group Ltd.** is not responsible for any safety incidents or functional performance issues arising as a result of any modifications that have not been approved in advance by **Gainsborough Healthcare Group Ltd**.

If you have any questions regarding the user manual or operation of the bath, feel free to contact your authorised representative or **Gainsborough Healthcare Group Ltd.** on 01527 400022.

PURPOSES OF WARNINGS, CAUTIONS AND NOTES

Warnings, Cautions and notes used throughout this manual have the following meanings:

WARNINGS: Warnings used throughout this manual **MUST** be followed carefully failure to do so, could result in serious bodily injury or could be fatal.

CAUTIONS: Cautions used throughout this manual **MUST** be observed to avoid damage to your bath or additional optional equipment.

NOTES: Notes used throughout this manual contain important information and useful tips on the operation of this product.

HEALTH AND SAFETY WARNINGS

The following warnings and any additional warnings used throughout this manual **MUST** be followed carefully failure to do so, could result in serious bodily injury or could be fatal.

WARNING RISK OF ENTRAPMENT: Operating the bath without appropriate training in its safe use could cause serious injury or be fatal by entrapment. Ensure persons operating the seat have been trained, read this manual and understand its safe use.

WARNING RISK OF ENTRAPMENT: Operating the bath when people are nearby could cause serious injury or be fatal by entrapment. Ensure nobody is close to moving equipment during its operation.

WARNING RISK OF ELECTRIC SHOCK: Using electrical appliances near to the bath could cause electric shock which may be fatal. **DO NOT** use electrical appliances within 3 metres of the bath.

WARNING RISK OF ELECTRIC SHOCK: Inappropriate wiring can cause an electric shock which may be fatal. Ensure the bath is installed by a qualified electrician using current legislation, the equipment must only be connected to a supply main with protective earth.

WARNING RISK OF SLIPPING: Water left on the floor could cause serious injury or be fatal by slipping. Ensure the floor area around the bath is always free from water. Clean and dry **ANY** spillages immediately.

HEALTH AND SAFETY CAUTIONS

The following cautions and any additional cautions used throughout this manual **MUST** be observed to avoid damage to your bath or additional optional equipment.

CAUTION: Bath could be damaged irreparably if objects or equipment are trapped during operation. Ensure nothing is left under the bath or seat that could become trapped.

CAUTION: Remote handset could be irreparably damaged if fully immersed in water. Ensure the remote handset is **ALWAYS** returned to its holder after use.

CAUTION: The bath and any additional equipment could be damaged if used for anything other than its intended use, which may be irreparable. **NEVER** use the bath for anything other than its intended use.

CAUTION: The bath and any additional equipment could be damaged, which may be irreparable, if abrasive cleaners, bleach or scourers are used. Use cleaning methods outlined in the Maintenance and Cleaning section only.

CAUTION: Do not exert excessive pressure on the bath panels as this may cause them to become ill-fitting or damaged over time.

HEALTH AND SAFETY NOTES

The following notes and any additional notes used throughout this manual contain important information and useful tips on the operation of this product.

NOTE: The system batteries must be charged for 24 hours prior to using the bath. You may test the bath seat operation empty to ensure it is working correctly.

NOTE: If this unit is to be utilised by many different bathers, we would strongly recommend that it is cleaned regularly with a medical disinfectant as well as following the strict cleaning routine outlined in the Maintenance and Cleaning section.

NOTE: In the event of mains failure during use of the bath, back-up batteries will enable the bather to exit the bath. The bath seat will then be disabled until mains power is restored.

NOTE: If any serious incident occurs in relation to the device this should be reported to the manufacturer and the competent authority in which the user and/or patient is established.

NOTE: Expected lifetime of this product is 8 years and approximately 5 years for the battery back-up system, when adhering to our service and maintenance guidelines.

LABELS

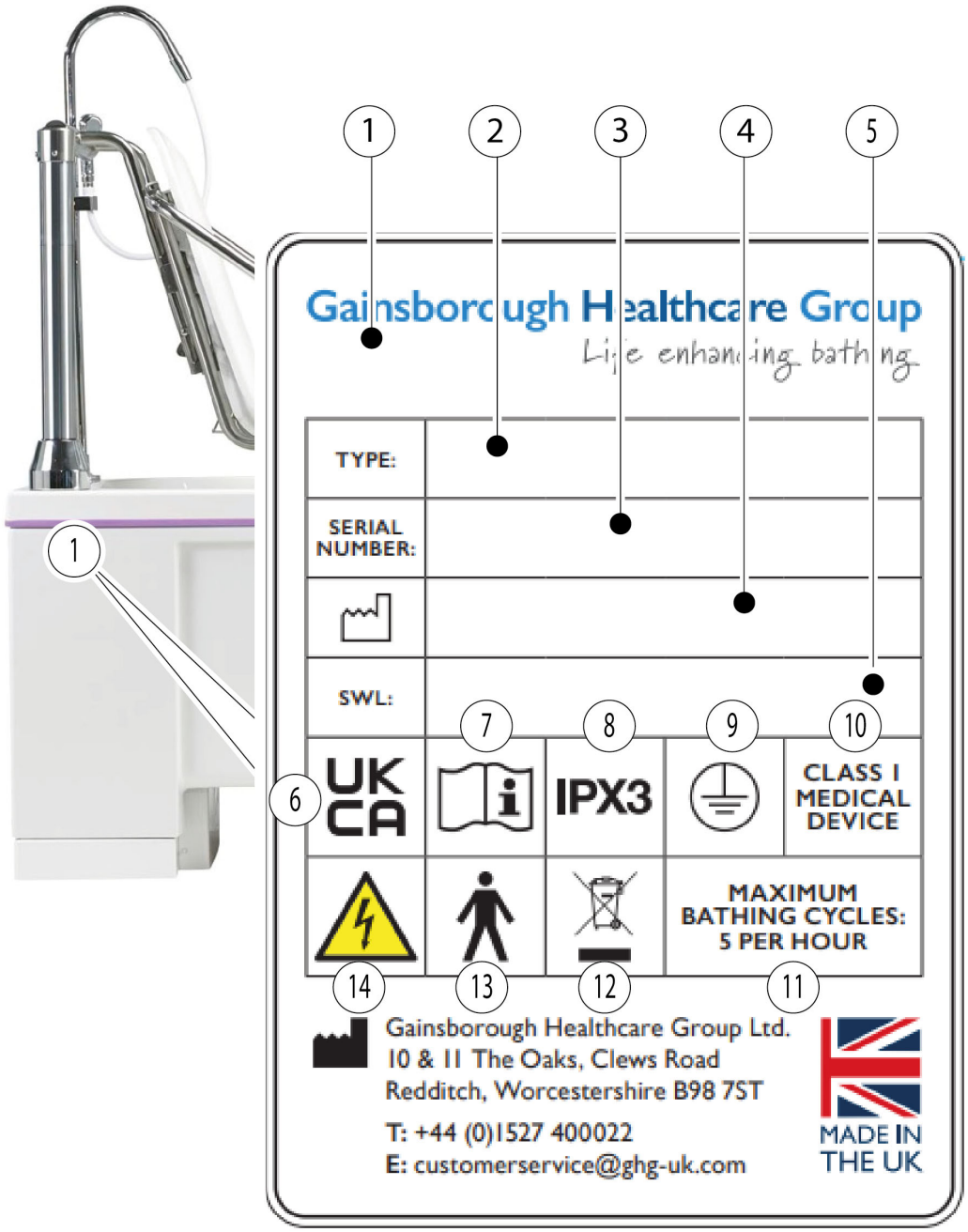

Fig 0043

IDENTIFICATION LABEL

NOTE: The Identification label attached to your bath contains critical information! **DO NOT** remove it from its location. The serial number is required for maintenance, information or spare parts. It is recommended that you make a note of it below for future reference.

KEY (Refer to Fig 0043)

1	Identification label and its location
2	Type of bath this user manual refers to
3	Unique identification number (this is needed for maintenance, information or spares)

Serial Number:

4	Manufacturing location
5	The Safe Working Load
6	UK Conformity Assessed marking
7	Read instruction manuals and accompanying documents
8	Ingress Protection (IP) rating (Protected against direct moisture spray at an angle of 60° from the vertical)
9	Type of protection: Class 1
10	Class 1 medical device
11	Maximum number of baths allowed per hour
12	No domestic waste. Separate electrical and electronic components for recycling in accordance with European Directive 2012/19/EU (WEEE)
13	Application part 'Type B' according to DIN EN 60601-1
14	This product is powered. Warning dangerous voltage

USER INFORMATION

The following steps are a pre-requisite before using the bath in **ANY** capacity.

1. Read the entire user manual.

2. Ensure you have received appropriate training in its safe and proper use for the bath and any additional optional equipment (this should be done following installation hand over).

3. Ensure the bath back up batteries have been fully charged for a minimum of 24 hours prior to use.

4. Inspect the bath for any cracks or damage.

5. Test the bath and all safety devices/equipment (empty - without a bather) prior to its first use and periodically afterwards in line with the maintenance recommendations, see *maintenance and cleaning, page 29*.

6. Operate the **Seat out** function. The seat should raise up to its maximum height and turn outside the bath and lower to the transfer seat without excessive noise.

7. Operate the **Seat in** function. The seat should raise up to its maximum height, turn inside the bath and lower without excessive noise.

If you are in any doubt or you cannot answer yes to **ALL** the above steps, then seek advice from your authorised representative or contact **Gainsborough Healthcare Group Ltd.** on 01527 400022.

REMOTE HANDSET

CAUTION: If submerged in water, the remote handset could be damaged irreparably. Ensure the remote handset is **ALWAYS** returned to its holder after use.

The remote handset has two control buttons and two LEDs as shown in Fig 0026 and is located in the holder on the side of the bath.

- LED illuminates to indicate that mains power is supplied (1).
- LED flashes when mains power is lost (2).
- Positions seat outside of the bath (3).
- Positions seat inside of the bath (4).

1. To operate either of the buttons, press lightly and hold. Releasing it at any time will stop the operation.

2. Operations automatically stop once they have reached their maximum extent; when the seat is fully inside the bath, for example.

3. It is completely safe to operate the handset with wet hands, but it should never be immersed in water, so always return to the holder after use.

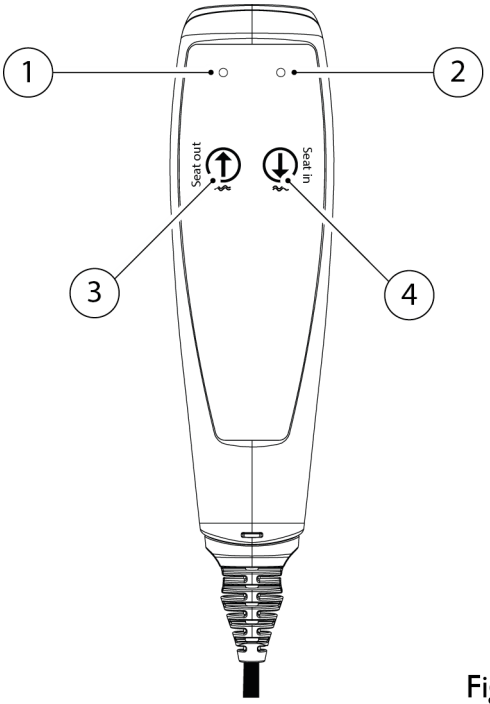

Fig 0026

NOTE: In the event of a power cut, the system is protected by Battery Back-Up, so the user can still safely exit the bath. In Battery Back-Up mode, the seat will operate at half speed. When the Battery Back-Up begins to lose power, there is an audible beep each time a button is pressed on the handset.

CLOSE THE POP-UP WASTE

The bath comes with a pop-up waste as standard.

1. Refer to Fig 0196. Turn the chrome handle (1) anti-clockwise and the pop-up waste plug (2) closes.

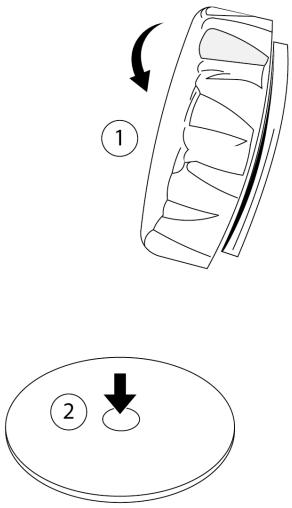

Fig 0196

FILL THE BATH

WARNING RISK OF SCALDING: Not checking the water temperature could cause serious injury or be fatal. The temperature of the hot water is limited to 43°C for safety. Use a thermometer to observe the temperature whilst filling and again before transferring the bather into the bath.

1. Refer to Fig 0307. Depending on the options chosen you may have a twin lever bath filler (1) see *twin lever bath filler, page 28* for more information. Or for the Autofill option (2) see *autofill, page 27* for more information.

2. Open the hot tap (3) or press the red autofill button (3) and fill the bath to half full, checking the temperature with a thermometer. Where necessary adjust the temperature using the cold tap (4) or the blue autofill button (4). The bath is now ready for the bather. Topping up the bath will be carried out when the bather is in position. This aids the carer to observe the depth of water.

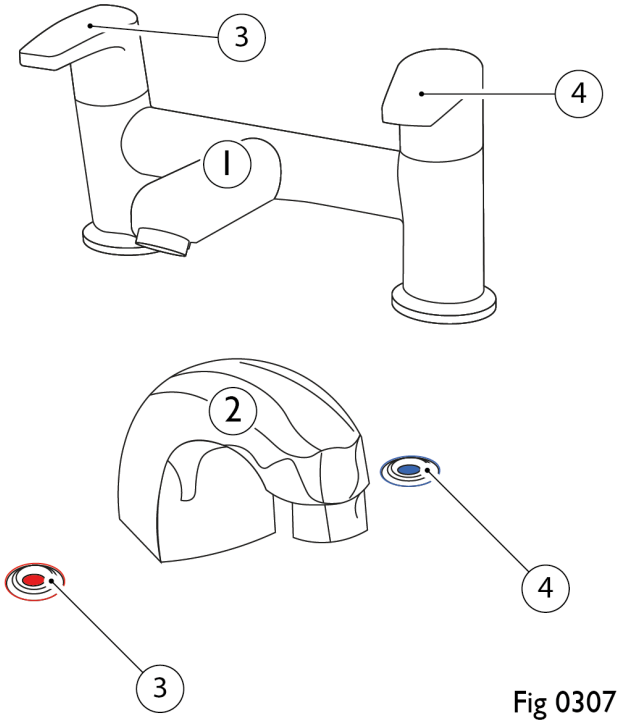

Fig 0307

CAUTION: Do not exert excessive pressure on the bath panels as this may cause them to become ill-fitting or damaged over time.

TRANSFER BATHER INTO THE BATH

NOTE: The arms lift to allow easier access for the bather.

NOTE: The bather must be seated securely on the detachable transfer seat and trolley **BEFORE** any attempt to engage the transfer seat with the transfer arm.

CAUTION: DO NOT attempt to use this equipment if you have not been fully trained. Escalate to your local representative or contact **Gainsborough Healthcare Group Ltd.** on 01527 400022 and ask about product training sessions.

CAUTION: Ensure that the DTS system is regularly inspected in line with guidance (see *maintenance and cleaning, page 29*). If in any doubt, call your local representative or contact **Gainsborough Healthcare Group Ltd.** on 01527 400022.

WARNING: The detachable transfer seat should only be used in conjunction with the trolley provided. **DO NOT** attempt to manually attach the transfer seat as it may result in a misalignment of the safety catch, which could cause the bather serious injury

The following instructions may be easier to perform with two carers present.

1. Visually inspect the detachable transfer/commode seat before use for any obvious damage. Check that the catches move freely and that the castors can be locked securely.

2. Referring to Fig 0366, lock all four wheel brakes (2).

3. The bather can now be seated in the detachable transfer/commode seat. The footrest (1) can be lowered into position for the bather's use if required.

4. The bather should have the safety lap strap (3) clipped securely around them and the arm rests (4) should be down, with the bather holding the handle grips.

5. Unlock all the wheel brakes and manoeuvre the bather to the bath side, relocking the brakes on arrival.

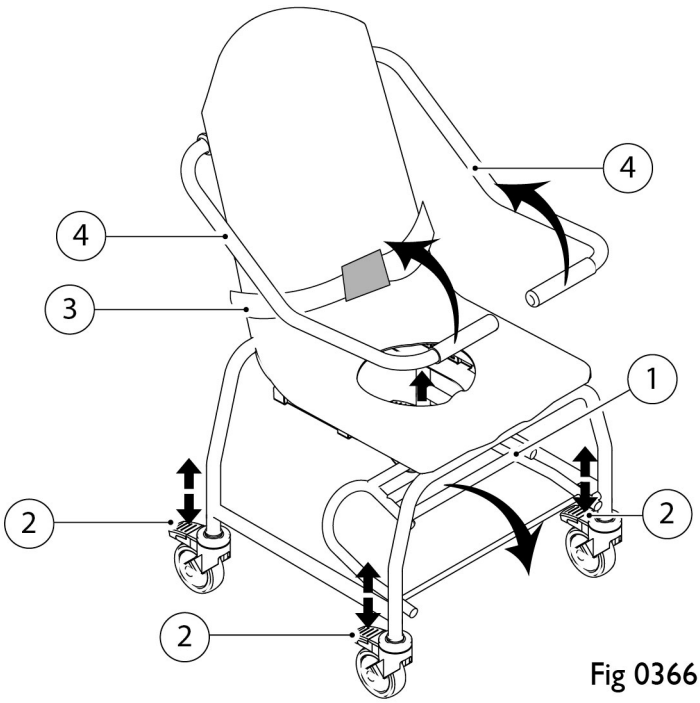

Fig 0366

WARNING RISK OF ENTRAPMENT: Operating this bath/equipment when the bather is unsecured/unattended could cause serious injury or be fatal by entrapment. Ensure the bather is **NOT** left unattended and is seated properly with the safety lap strap **ALWAYS** secured.

IMPORTANT

The seat must engage with the safety latches on the transfer arm as follows:

6. Ensure that the transfer arm (2) is in the fully down position.

7. Standing next to the bath, release all four brakes (3) and pull the transfer/commode seat (1) back towards the transfer arm (2) as shown in Fig 0016.

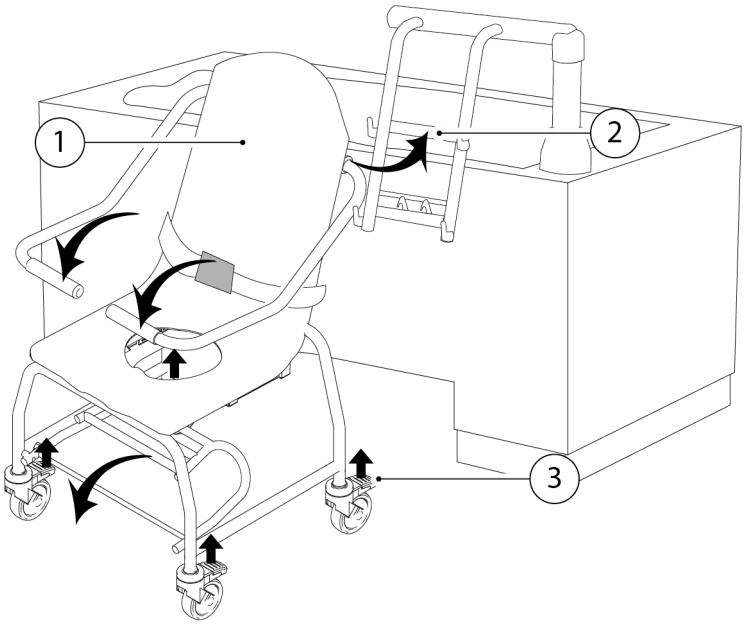

Fig 0016

8. Continue to move the seat backwards whilst checking that the seat is:

- Parallel to the bath
- Central to the transfer arm
- Positioned as close to the bath as possible

9. As shown in Fig 0370, the link bar (1) slots into the upper safety catch (2). The upper safety latch hooks over the link bar and secures it in place.

10. Relock the wheel brakes once the transfer seat is in position.

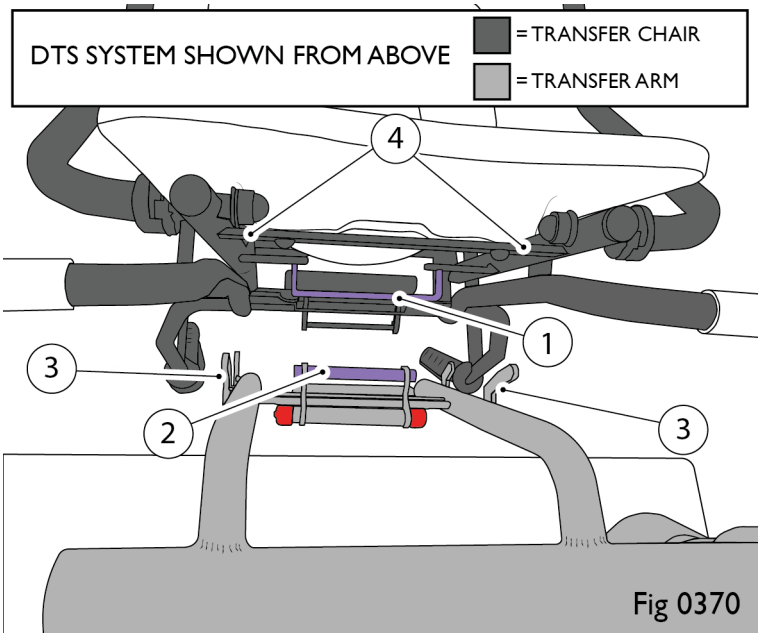

Fig 0370

NOTE: The transfer/commode seat uses **TWO SAFETY LOCKING LATCHES** to ensure safety and security whilst in use. The upper latch on the transfer arm secures the seat for lifting and lowering and the lower latch secures the seat to the transfer trolley for transport to and from the bath.

11. Referring to Fig 0027, raise the transfer arm using the Seat in button on the handset whilst simultaneously lifting the lower safety latch until the chair disconnects from the trolley.

12. Referring back to Fig 0370, in raising the seat up, the upper hooks (3) on the transfer arm should slide between the back bar (4) and the rear of the seat at the locations indicated, further securing the seat/commode to the transfer arm. The lower hooks replicate this action on the back bar further down the seat.

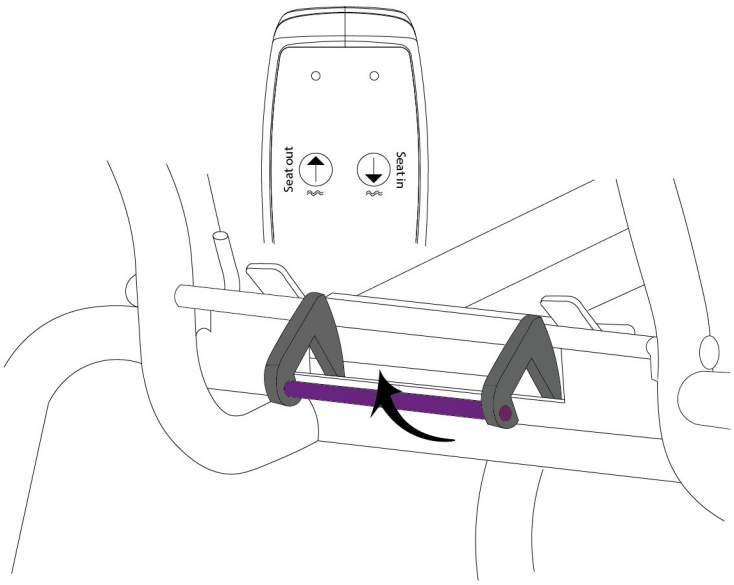

Fig 0027

13. Once the seat is disconnected from the transfer trolley and engaged with the transfer hooks, stop seat operation by releasing the Seat in button, disengage the brakes and move the trolley to one side. It is now possible to transfer the bather into the bath.

WARNING: Ensure that the upper safety latch between the transfer arm and transfer seat is fully engaged before attempting to use the handset to lift the bather. Failure to do so could cause serious injury or death.

14. Observe the bather at all times. Press the Seat in button again and the seat will continue to lift. Please see *remote handset, page 16* for details. The seat may be stopped at any time by releasing the button.

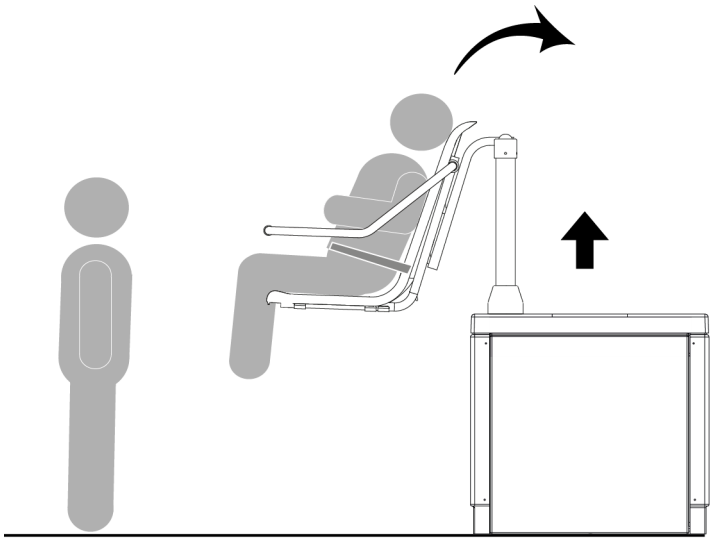

Fig 0424

WARNING RISK OF ENTRAPMENT: Ensure that the bather is able to lift their legs over the edge of the bath whilst the seat is being moved into position. If they are unable to do this themselves, then they must be assisted in doing so to avoid serious injury by entrapment.

15. Continuing to press the Seat in button, the seat will now raise to its maximum height and will turn into position, before lowering the bather into the bath as shown in Fig 0423.

16. Continue to press the Seat in button until the operation is complete and the seat is at its lowest position in the bath.

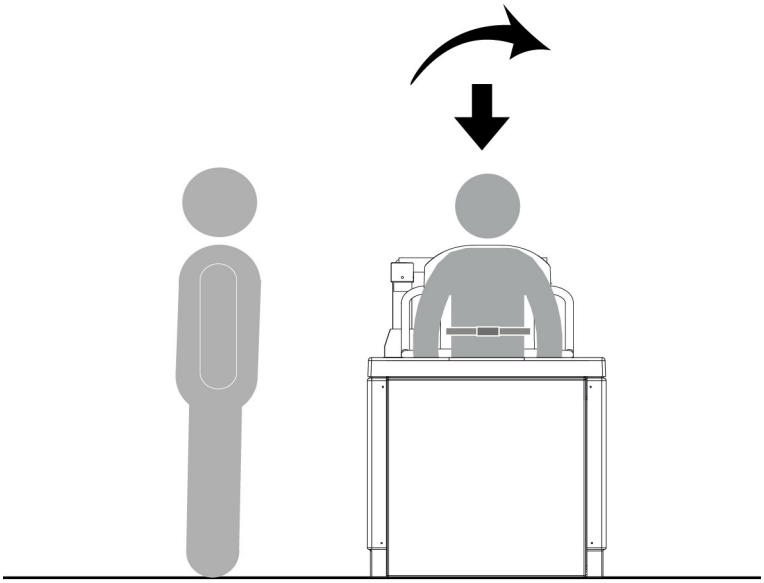

Fig 0423

WARNING RISK OF ENTRAPMENT: Ensure that the bather's legs are not tucked under the seat when the seat is descending into the bath as this could cause serious injury.

CAUTION: Do not exert excessive pressure on the bath panels as this may cause them to become ill-fitting or damaged over time.

TOP UP THE BATH

WARNING RISK OF SCALDING: Not checking the water temperature could cause serious injury or be fatal. The temperature of the hot water is limited to 43°C for safety. Use a thermometer to observe the temperature whilst filling and again before transferring the bather into the bath.

1. Refer to Fig 0307. Depending on the options chosen you may have a twin lever bath filler (1) see *twin lever bath filler, page 28* for more information. Or for the autofill option (2), see *autofill, page 27* for more information.

2. Whilst observing the bather, open the hot tap (3) or press the hot autofill button (3) and top up the bath checking the temperature with a thermometer. Where necessary adjust the temperature using the cold tap (4) or the cold autofill button (4).

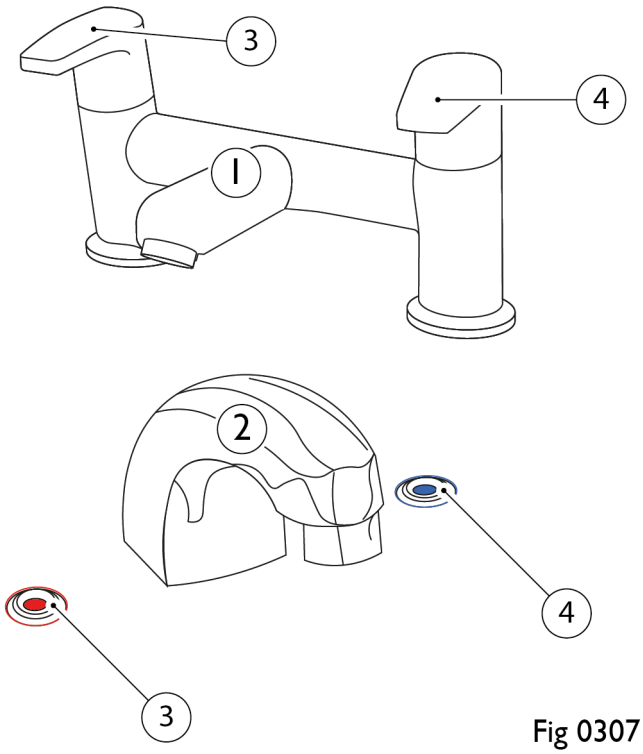

Fig 0307

TRANSFER BATHER OUT OF THE BATH

1. Raise the seat by pressing the Seat out button. Once the seat has risen to its maximum height, the seat will turn outside the bath.

2. Release the Seat out button and guide the transfer trolley under the seat into a position parallel to the bath and central to the transfer arm.

3. Lower the seat **fully down** now by pressing the Seat out button until the seat stops automatically. Ensure that the seat and transfer trolley are aligned.

4. As the seat engages with the transfer trolley, the lower safety latch will automatically activate (see Fig 0027) and lock the seat securely to the transfer trolley.

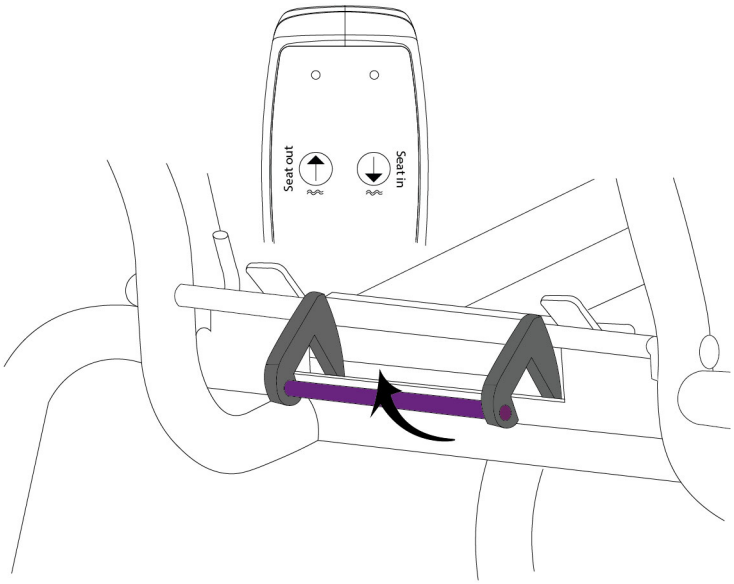

Fig 0027

5. Now push the upper safety latch down (red-ended bar located on the transfer arm - see *transfer bather into the bath, page 18*, Fig 0370), whilst simultaneously pushing the seat away from the bath, to disengage the seat from the arm.

6. Press the Seat in button to return the transfer arm back inside the bath.

7. The bather can now exit the seat or be wheeled out of the bathroom if required.

EMPTY THE BATH

The bath comes with a pop-up waste as standard.

1. Refer to Fig 0011. Open the pop-up waste by turning the chrome handle (1) clockwise. The waste plug (2) then opens to drain the bath.

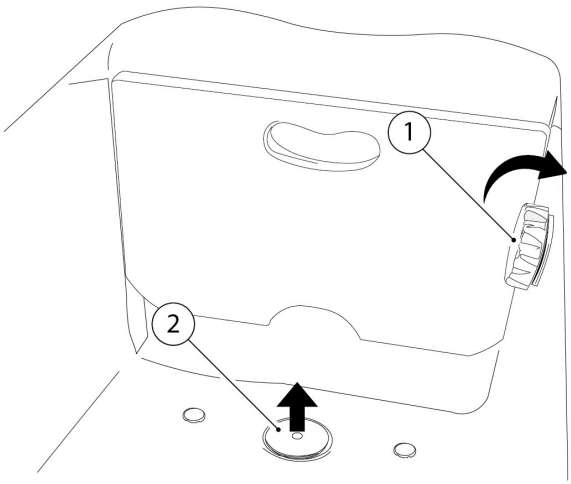

Fig 0011

OPTIONAL EQUIPMENT

For further information on the Air Spa, Chromatherapy Lighting or Sound System, please refer to the Accessories User Manual.

SHEPHERD'S CROOK SHOWER

The shower system operates as follows:

1. As shown in Fig 0020, remove the shower head (1) from the holder and turn the shower control (2) anticlockwise fully. The temperature on the shower valve is controlled by a thermostatic valve and is factory set at 38°C for safety.

2. With the shower head directed into the bath, press the trigger spray (3) on the shower head to release the water. Check the temperature is safe with a thermometer and by hand. Release the trigger at any time to stop the water.

3. When showering is complete, turn shower control clockwise fully.

4. Press the trigger spray to de-pressurise the shower and return the shower head to its holder.

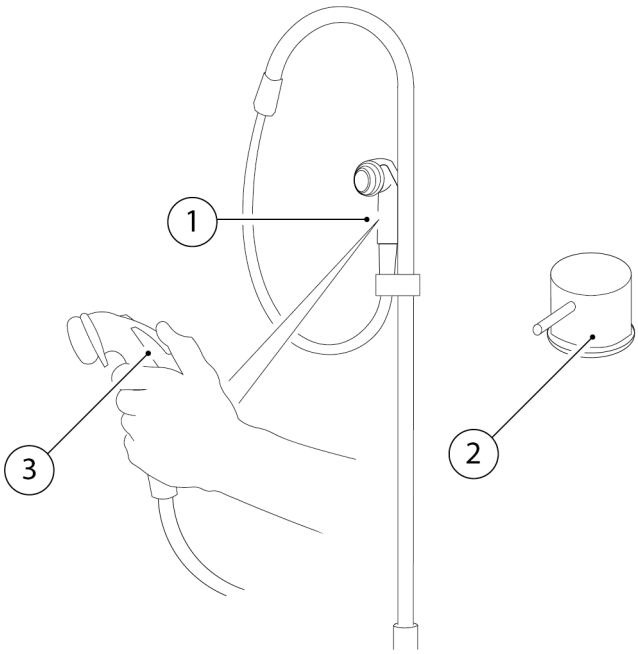

Fig 0020

EASY SHOWER 5

The Easy Shower 5 is a Kiwa approved category 5 back-flow prevention device. It protects the water supply from any contaminants in the bathing water. The system operates as follows:

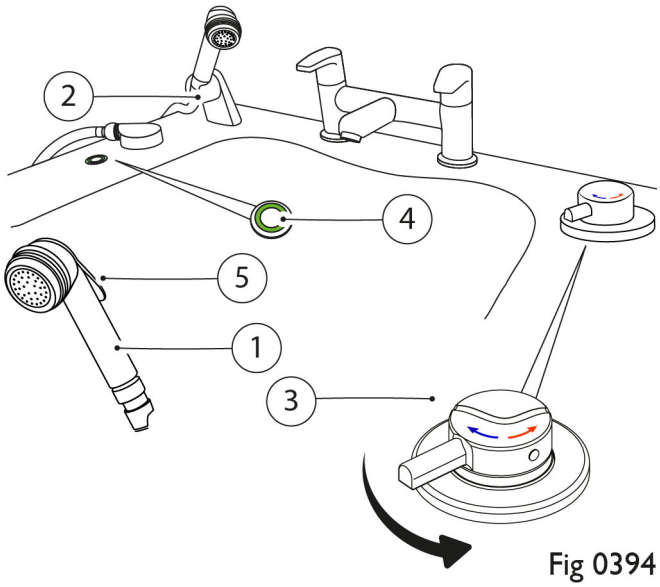

Fig 0394

1. Referring to Fig 0394, remove the shower head (1) from the holder (2) and turn the temperature control dial (3) anticlockwise fully until it is at its maximum temperature (indicated on the dial in red). This is the optimum showering temperature, which is controlled by a thermostatic valve and factory set at 38°C for safety.

2. Press the power button (4) and this will begin priming the shower pump. Once primed, the pump will stop and the shower is ready to use.

3. With the shower head directed into the bath, press the trigger (5) on the shower head to release the water. The pump will be active whenever the trigger is pressed. Check the temperature is safe with a thermometer and by hand. Release the trigger at any time to stop the water.

4. When showering is complete, turn the temperature control dial clockwise fully to its minimum temperature (indicated on the dial in blue) to stop the shower.

5. Press the power button to turn off the shower system. The green light will go out, indicating that the shower has been successfully switched off.

6. With the shower head over the bath, press the trigger to depressurise the system and then return the shower head to its holder to ensure that any excess water goes into the bath.

FOOTBOARD (1700 MM BATH)

1. Refer to Fig 0005. Using the cut-out handle (1) locate the footboard into the appropriate recesses (2), depending on the size of the bather. When in position, push footboard fully down.

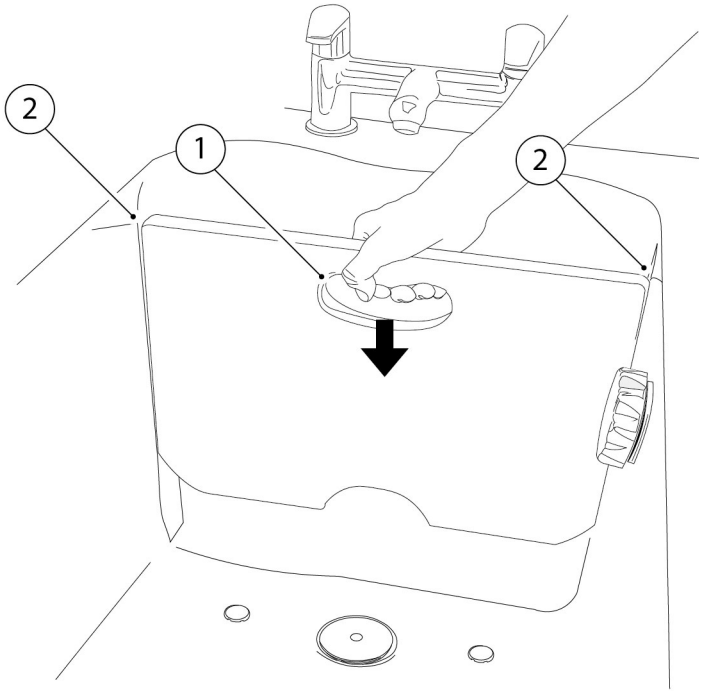

Fig 0005

AUTOFILL

NOTE: The autofill buttons glow red (hot water) and blue (cold water) constantly until pressed and will flash during filling.

NOTE: The autofill option has a pre-set temperature of 43°C.

Autofill allows the bath to be filled at the press of a button prior to the bather entering the bath. The carer is free to administer to the bather in another room, if necessary, without any concern of the bath overflowing in their absence.

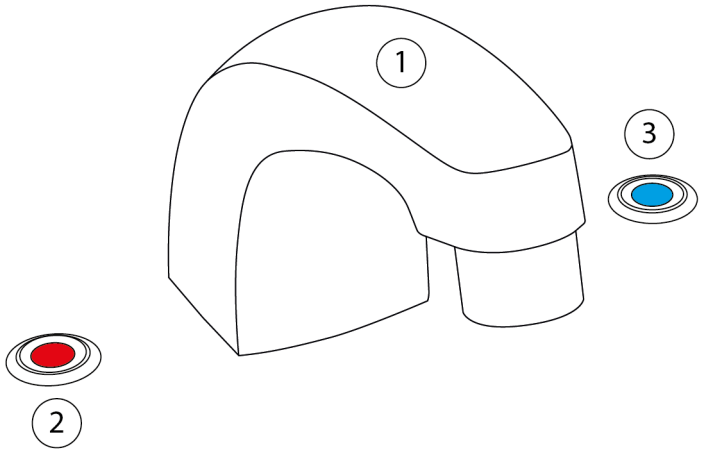

Fig 0246

Hot Water

The autofill option has a spout (1) as shown in Fig 0246. The hot water button (2) will be lit red. Press it once to initiate the water flow and the button will flash whilst this is happening. The water flow can be stopped at any time by pressing the button again.

To add more hot water, press the hot water button again. Check the water temperature with a thermometer - it should not exceed 43°C.

Cold Water

To reduce the temperature of the water, press the cold water button (3). The water flow can be stopped at any time by pressing the button again.

Check the water temperature with a thermometer.

Automatic Shutoff

Once one of the buttons has been pressed, the bath will fill to the lower level sensor at 75 mm below the overflow and stop automatically. If deeper water is required, the buttons can be pressed again, but autofill will automatically stop when the water reaches the higher level sensor at 10mm below the overflow. Once the bath is filled to its maximum level, the lights will go out on the buttons to indicate that they cannot be pressed again.

It is not possible to add any more water to the bath once the water has reached the higher sensor - some of the water must be emptied first before autofill will allow more to be added.

Tamperproof Lockout

Autofill has a lockout to prevent wastage of water and tampering. To lock, press and hold both the hot water button and the cold water button for 10 seconds. The buttons will turn green, confirming that lockout is engaged.

To unlock, press and hold both the hot water button and the cold water button for 10 seconds again. The buttons will turn back to red and blue, confirming that lockout is disengaged.

TWIN LEVER BATH FILLER

NOTE: The twin lever bath filler option has a pre-set temperature of 43°C.

The twin lever bath filler option operates as shown in Fig 0308.

1. The mixer spout (1) sits between the two taps.

2. To open the hot tap, turn the hot water handle (2) clockwise. To close the hot tap, turn the hot water handle anticlockwise.

3. To open the cold tap, turn the cold water handle (3), anticlockwise. To close the cold tap, turn the cold water handle clockwise.

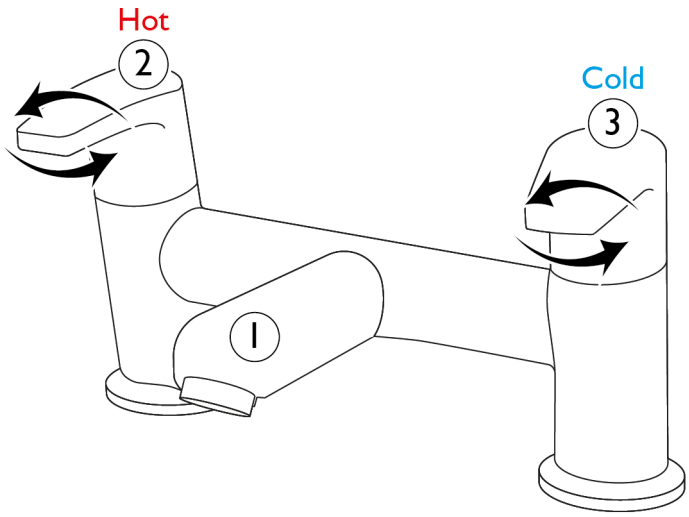

Fig 0308

MAINTENANCE AND CLEANING

CAUTION: The bath and any additional equipment could become damaged or wear prematurely if thorough, regular, cleaning and maintenance is not carried out. Contact bath supplier for clarification or additional assistance if required.

NOTE: Ensure your bath is cleaned, serviced and maintained regularly. Maintenance and cleaning information is provided for maintenance staff employed to look after the bath equipment supplied.

Contact: Please ask for details of the of **Gainsborough Healthcare Group Ltd.** Service and Maintenance Agreement on 01527 400022.

It is of the utmost importance to follow the Health and Safety information (see *safety information, page 9*), before carrying out any cleaning or maintenance procedures. The following routines are a minimum requirement. Where a high volume of use occurs, increase the frequency as appropriate.

In addition to the maintenance and cleaning requirements detailed here, it is the responsibility of the equipment operator/provider, under the Provision and Use of Work Equipment Regulations 1998 (PUWER) to ensure, where applicable, that periodic Lifting Operations and Lifting Equipment Regulations (LOLER) testing is undertaken.

DAILY

Routine	Method
Visual inspection (before use)	• Inspect the bath for broken equipment, leaks or any general issues
Seat operation	• Use the handset to take the seat through a full cycle of motion, both into and out of the bath
Minor clean (after use)	• Wipe bath whilst draining with a soft damp cloth, clean with disinfectant and wipe dry

WEEKLY

Routine	Method
Major clean (after use)	• Use cleaning mousse/washing-up liquid, warm water and a soft cloth - stubborn stains may require a non-abrasive cream cleaner • Clean with disinfectant and wipe dry
Inspect handset/cable	• Inspect handset and cable for **ANY** signs of damage
Check water temperature	• Using a calibrated thermometer operate the hot tap/autofill and check the water temperature does NOT exceed 43°C

Check detachable transfer seat and trolley	• Visually inspect the detachable transfer seat and trolley for any obvious damage. Check that the catches move freely and that the castors can be locked securely.

MONTHLY

Routine	Method
Remove Lyme/Calcium deposits	• Water stain deposits may be removed using a non-abrasive cream cleaner
Inspect cables	• Check there are no loose/damaged/frayed cables
Check for leaks	• Check water, waste pipes and all plumbing connections for leaks
Check remote handset operation	• Operate ALL bath controls ensuring all operations are as expected and free from unusual noises see *remote handset, page 16*
Test RCD	• Operate the Residual Circuit Breaker (RCD) press the test button and reset
Inspect Shepherd's Crook shower	• Ensure the shower pole is fixed/secure and vertical, inspect hose, trigger operation hanger and control see *shepherd's crook shower, page 24*
Check Easy Shower 5	• Operate the Easy Shower 5 if this option is installed and verify that it is working as described see *easy shower 5, page 25*
Test Autofill option functionality	• Test the autofill operation and water levels see *autofill, page 27*

SIX MONTHLY

Routine	Method
Visual inspection	• Visually inspect bath ensure there is **NO** damage
Panel inspection	• Check all external bath panels are secure with all screws/ fixings in place
Inspect waste pipes	• Ensure ALL waste fitting are secure free from leaks and drain efficiently
Inspect all optional equipment	• Inspect any optional equipment to ensure it is free from **ANY** damage
Check operation of optional electrical equipment	• Check the operation of the button controls ensure the Air Spa, Chromatherapy Lighting and or Sound System work in line with the operation information contained in the Accessories User Manual

ANNUALLY

Routine	Method
Servicing	• Servicing by Gainsborough Healthcare Group Ltd or a trained approved company with guidance

It is of the utmost importance to follow the Health and Safety information (see *safety information, page 9*), before carrying out any cleaning or maintenance procedures. The following is a typical schedule for the average user. Where a high volume of use occurs, increase the frequency as appropriate.

Maintenance Schedule Minimum Frequency	Day	Week	Month	6 Month	Year
Visual inspection (before use)	X				
Seat operation	X				
Minor clean (after use)	X				
Major clean (after use)		X			
Inspect handset/cable		X			
Check water temperature		X			
Check detachable transfer seat and trolley		X			
Remove Lyme/Calcium deposits			X		
Inspect cables			X		
Check for leaks			X		
Check remote handset operation			X		
Test RCD			X		
Inspect Shepherd's Crook shower			X		
Check Easy Shower 5			X		
Test autofill (option) functionality			X		
Visual inspection				X	
Panel inspection				X	
Inspect waste pipes				X	
Inspect all optional equipment				X	
Check operation of all optional equipment				X	
Servicing					X

TROUBLESHOOTING

The following is a basic troubleshooting guide in the event of failure, it is not intended as a comprehensive diagnostic routine. If the bath or equipment fail to operate as intended following these basic checks, please contact your authorised representative or a **Gainsborough Healthcare Group Ltd.** service support engineer on 01527 400022.

PROBLEM	POSSIBLE CAUSE
Bath Inoperative	• Mains power supply failure - the top right LED on the handset will flash in this case • Check condition of handset cord and it is securely connected to the bath • Check 5 Amp fused spur (fuse) • Check Residual Current Device (RCD) has power and has not tripped
Bath Judders	• Check there are no obstructions on or around the bath • Check bath fixings are secure • Check bath is level
Bath Noisy	• Check there are no obstructions on or around the seat • Check if pipework, cables or anything else is obstructing the seat during operation
Attaching Transfer Seat Difficult	• Check that the following floor areas are level with each other (see Talano DTS Installation Manual for further details): 1. The floor underneath the bath footprint 2. The floor that the transfer trolley stands on to connect with the transfer arm • Verify that the latch connection is being performed correctly - see *transfer bather into the bath, page 18*
Water Leaking/Loss	• Visually inspect for bath damage • Inspect flexi-hoses pipework • Inspect hot and cold supply pipework • Inspect waste pipework
Bath Uneven	• Check bath is level - adjust feet as appropriate
Seat Operating At Half Speed	• Bath mains power supply failure - if so the top right LED on the handset will flash - check power is supplied - check fused spur (fuse)

Items Visibly Damaged	• Any obviously damaged items should be reported and decommissioned immediately
Audible Beep When Operating Handset	• Battery Back-Up is running low • Bath mains power supply failure - check power is supplied - check fused spur (fuse)
Air Spa Does Not Operate	• Is the bath filled sufficiently? (See Accessories User Manual) • Ensure mains power is supplied and switched on • Check fuse at the switched fused spur
Chromatherapy Lighting Does Not Operate	• Ensure mains power is supplied and switched on • Check fuse at the switched fused spur
Air Spa And Chromatherapy Lighting Does Not Operate	• Is the bath filled sufficiently? (See Accessories User Manual) • Ensure mains power is supplied and switched on • Check fuse at the switched fused spur
Sound System Does Not Operate	• Ensure mains power is supplied and switched on • Check fuse at the switched fused spur • Have you paired you device with the sound system? Pair your device and retry. (See Accessories User Manual)
Noise Heard After The Spa Is Switched Off	• This is normal operation of the Automatic Purge System. (See Accessories User Manual)

WARRANTY

For information on the warranty supplied with this bath, please refer to separate warranty documentation.

Contact: For further details regarding extended warranties with Gainsborough Healthcare Group Ltd., please call 01527 400022 or email warranties@ghg-uk.com.

DECLARATION OF CONFORMITY

Gainsborough Healthcare Group
Life enhancing bathing

CE

Declaration of Conformity

Manufacturer's name: Gainsborough Healthcare Group Ltd
Manufacturer's Address: 10 & 11 The Oaks
Clews Road
Redditch
Worcestershire
B98 7ST
Equipment Type: Bath Chassis with Powered Seat

Gainsborough Healthcare Group Ltd solely declares that the below products comply with the essential requirements and fulfil the provision of the CE marking.

Bath Model	UDI	P/N	
Gentona 1500 - Height Adjustable Bath with Powered Seat	(01)05060968110260	BGEW5LHFS	BGEW5RHFS
Gentona 1700 - Height Adjustable Bath with Powered Seat	(01)05060968110277	BGEW7LHFS	BGEW7RHFS
Gentona 1500 DTS - Height Adjustable Bath with Detachable Transfer Seat	(01)05060968110284	BGEW5LHGT	BGEW5RHGT
Gentona 1700 DTS - Height Adjustable Bath with Detachable Transfer Seat	(01)05060968110291	BGEW7LHGT	BGEW7RHGT
Ezion 1500 - Height Adjustable Bath with Powered Seat and Leg Lift	(01)05060968110307	BEZW5LHFS	BEZW5RHFS
Ezion 1700 - Height Adjustable Bath with Powered Seat and Leg Lift	(01)05060968110314	BEZW5LHFS	BEZW5RHFS
Talano 1500 - Fixed Height Bath with Powered Seat	(01)05060968110321	BTAW5LHFS	BTAW5RHFS
Talano 1700 - Fixed Height Bath with Powered Seat	(01)05060968110338	BTAW7LHFS	BTAW7RHFS
Talano 1500 DTS - Fixed Height Bath with Detachable Transfer Seat	(01)05060968110345	BTAW5LHGT	BTAW5RHGT
Talano 1700 DTS - Fixed Height Bath with Detachable Transfer Seat	(01)05060968110352	BTAW7LHGT	BTAW7RHGT
Alera 1500 - Fixed Height Bath with Powered Seat and Leg Lift	(01)05060968110369	BALW5LHFS	BALW5RHFS
Alera 1700 - Fixed Height Bath with Powered Seat and Leg Lift	(01)05060968110376	BALW7LHFS	BALW7RHFS
Torin 1500 - Height Adjustable bath	(01)05060968110246	BTOW5LH	BTOW5RH
Torin 1700 - Height Adjustable bath	(01)05060968110253	BTOW7LH	BTOW7RH
Trade Names	**UDI**	**P/N**	
PRO Comfort 1500 - Height Adjustable Bath with Powered Seat	(01)05060968110475	CVW5LHFS	CVW5RHFS
PRO Comfort 1700 - Height Adjustable Bath with Powered Seat	(01)05060968110482	CVW7LHFS	CVW7RHFS
PRO Comfort 1500 - Height Adjustable Bath with Detachable Transfer Seat	(01)05060968110536	CVW5LHGT	CVW5RHGT
PRO Comfort 1700 - Height Adjustable Bath with Detachable Transfer Seat	(01)05060968110543	CVW7LHGT	CVW7RHGT
PRO Comfort 1500 - Fixed Height Bath with Powered Seat	(01)05060968110499	CFW5LHFS	CFW5RHFS
PRO Comfort 1700 - Fixed Height Bath with Powered Seat	(01)05060968110505	CFW7LHFS	CFW7RHFS
PRO Comfort 1500 - Fixed Height Bath with Powered Seat and Leg Lift	(01)05060968110512	CLW5LHFS	CLW5RHFS
PRO Comfort 1700 - Fixed Height Bath with Powered Seat and Leg Lift	(01)05060968110529	CLW7LHFS	CLW7RHFS
Libra - Fixed Height Bath with Powered Seat	(01)05060968110574	LIW7LHFH	LIW7RHFH
Libra - Fixed Height Bath with Powered Seat and Leg Lift	(01)05060968110581	LIW7LHFHLL	LIW7RHFHLL
Libra - Height Adjustable Bath with Powered Seat	(01)05060968110598	LIW7LHVH	LIW7RHVH
Libra - Height Adjustable Bath with Powered Seat and Leg Lift	(01)05060968110604	LIW7LHVHLL	LIW7RHVHLL
Virgo - Height Adjustable Bath	(01)05060968110611	VIW7LHVH	VIW7RHVH

The products correspond to Class 1 Medical Device Directive.

The following standards and European Directives apply:

- 2006/42/EC Machinery Directive
- MDR 2017-745/EU – Class 1 Medical Device
- ROHS – Restriction of Hazardous Substances
- IEC 60601
- BS EN 60601-01-11 – General requirements for basic health and safety and essential performance – Home healthcare environment
- BS EN 60601-1-6 – General requirements for basic safety and essential performance
- BS EN 62366-1 – Application of usability engineering to medical devices
- BS EN ISO 10535 :2021 – Assistive products – Hoists for the transfer of persons – Requirements and test methods
- BS EN ISO 10993-1 – 2022 – Biological Evaluation of medical devices
- BS EN ISO 21856-2022 – Assistive products – General requirements and test methods

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Peter Eckhardt
C.E.O

For and on behalf of Gainsborough Healthcare Group Ltd

Date of issue; 15/12/2021

Registered in England No. 10433373 | VAT No. 254046128

Gainsborough Healthcare Group
Life enhancing bathing

Declaration of Conformity

Manufacturer's name: Gainsborough Healthcare Group Ltd
Manufacturer's Address: 10 & 11 The Oaks
Clews Road
Redditch
Worcestershire
B98 7ST
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Peter Eckhardt
C.E.O

For and on behalf of Gainsborough Healthcare Group Ltd

Date of issue; 15/12/2021

Registered in England No. 10433373 | VAT No. 254046128

ELECTROMAGNETIC COMPATIBILITY

Electrical medical equipment is subject to special precautionary measures with regard to EMC and must be installed and operated in accordance with the EMC instructions included in the accompanying documents.

For the devices and systems from **Gainsborough Healthcare Group Ltd.**, no special measures must be observed.

NOTE: Portable and mobile HF-communications equipment can interfere with electrical medical equipment.

The product standard applied to **Gainsborough Healthcare Group Ltd.** are;

- BS EN 60601-1-2:2015 Medical electrical equipment Part 1-2: General requirements for basic safety and essential performance - collateral standard: Electromagnetic disturbances - Requirements and tests.
- BS EN 61000-3-2: 2014 Electromagnetic compatibility EMC. Limits. Limits for harmonic current emissions (equipment input current < 16A per phase).
- BS EN 61000-3-3:2013 Electromagnetic compatibility (EMC). Limits. Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current < 16A per phase and not subject to conditional connection.

GUIDANCE AND MANUFACTURER'S DECLARATION - ELECTROMAGNETIC IMMUNITY

The Bath Chassis with Powered Seat has been designed for use in the following listed electromagnetic environments. The customer or the user of the Bath Chassis with Powered Seat must ensure that the appliance is used in such environment.

Emission Measurements	*Compliance*	*Electromagnetic Environment Guidance*
High frequency (HF) Radiated Emissions to BS EN 55011	Group 1 - no internally generated electromagnetic radiation	The Bath Chassis with Powered Seat does not use HF radiation for internal functions. Therefore, the HF radiation of the device is very low and any interference with adjacent electrical equipment is unlikely.
High frequency (HF) Radiated emissions to BS EN 55011	Class B	The Bath Chassis with Powered Seat is intended for use in any type of facility including living quarters and those that are directly connected to a public mains network that supplies residential buildings and buildings used for domestic purposes.
Conducted Emissions to BS EN 55014	Class B	
Harmonics to IEC 6100-3-2	Class A	
Voltage fluctuations / flicker to IEC 6100-3-3	Compliant	

Immunity Testing	*BS EN 60601 - Test Level*	*Compliance Level*	*Electromagnetic Environment Guidance*
Discharging of static electricity (ESD) to BS EN 61000-4-2	+- 8kV contact discharge. +- 15kV air discharge	+- 8kV contact discharge. +- 15kV air discharge	The floor must be in wood, concrete or ceramic tiles. In case of floors in synthetic material, the relevant air humidity must be at least 30%.
Rapid transient interference pulses/ burst BS EN 61000-4-4	+-2kV for power supply cables	+-2kV for power supply cables	The quality of the supply voltage should match that of a typical business or hospital environment.
Overvoltage (Surges) BS EN 61000-4-5	+-1kV Mains cable connection differential mode +-2kV Mains Cable common mode	+-1kV Mains cable connection differential mode +-2kV Mains Cable common mode	The quality of the supply voltage should match that of a typical business or hospital environment.
Voltage drops, short interruptions and voltage fluctuations in the power supply input cables IEC 61000-4-11	<5% Ut (>95% drop of Ut) For 0.5 period <5% Ut (>95% drop of Ut) For 0.5 period <70% Ut (>30% drop of Ut) For 25 periods <5% Ut (>95% drop of Ut) For 5s	<5% Ut (>95% drop of Ut) For 0.5 period <5% Ut (>95% drop of Ut) For 0.5 period <70% Ut (>30% drop of Ut) For 25 periods <5% Ut (>95% drop of Ut) For 5s	The quality of the supply voltage should match that of a typical business or hospital environment.
Radiated RF Field Immunity	3 V/m 80MHz - 2700MHz Spot check frequencies in accordance with BS EN 60601-1-2 requirements	3 V/m	

Immunity Testing	*IEC 60601 - Test Level*	*Compliance Level*	*Electromagnetic Environment Guidance*
Conducted RF BS EN 61000-4-6	3 Vrms 150 kHz up to 80 MHz 6 Vrms at spot frequencies	3 Vrms 150 kHz up to 80 MHz 6 Vrms at spot frequencies	Portable and mobile HF communications equipment should be used no closer to any part of the Bath Chassis with Powered Seat including cables, than the recommended separation distance calculated in accordance with the equation applicable to the frequency of the transmitter Recommended separation distance $D=0.35\sqrt{P}$ $D=1.2\sqrt{P}$ 80 MHz up to 800 MHz $D=2.3\sqrt{P}$ 800 MHz up to 2.5 GHz With P as the rated output of the transmitter in Watt (W) in accordance with the manufacturer's specifications and d as the recommended separation distance in meter (m). The field strength of fixed HF-transmitters as determined by an electromagnetic field survey - should be less than the compliance level in each frequency range.
			In the vicinity of equipment marked with this symbol, interference may occur.

NOTE: This manual could possibly not apply to all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

The field strength of fixed RF transmitters, such as base stations of mobile phones and land mobile radios, amateur radio stations, AM and FM radios as well as radio and television broadcast media cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey is recommended. If the field strength measured in the environment where the Bath Chassis with Powered Seat is to be used, exceeds the applicable HF compliance level, special care should be taken that a normal operation of the Bath Chassis with Powered Seat can be guaranteed. In case anomalies are identified, additional measures could be required, such as different alignment or a change of the location of the Bath Chassis with Powered Seat.
In the frequency range from 150 kHZ to 80 MHz, the field strength must be less than 3 V/m.

Rated Output of the Transmitter	*Separation Distance Depending on the Transmitting Frequency in 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 transmitters rated at a maximum output power not listed above, the recommended separation distance d in meters (m) can be determined 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 specifications given by the transmitter manufacturer.

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

NOTE: These guidelines could not apply to all situations. The dispersion of electromagnetic waves is affected by absorption and reflection from structures, objects and persons.

Gainsborough Healthcare Group

Life enhancing bathing

Gainsborough
SPECIALIST BATHROOMS
Empowering. Healthcare. Solutions

BIO

For service or sales queries please contact:
Tel: 01527 400022
Email: info@gainsboroughbaths.com
10 & 11 Clews Road, Redditch, Worcestershire B98 7ST

CUSTOMER TRAINING RECORD

CUSTOMER DETAILS

Date:	

Address:	

Postcode:	

PRODUCT(S) DISCUSSED AND DEMONSTRATED

Bath Type	Serial Number	Bath Location

Trainer's Name:	

Trainer's Signature:	

CUSTOMER TRAINING RECORD

TRAINING ATTENDEES

I agree that I have read and understood the User Manual and that I have been trained on how to use this bath safely and correctly.

Attendee Name	Signature	Position

CAUTION: These products are Class 1 medical devices and should only be used by the above trained people in accordance with the manufacturer's User Manual provided.

A copy of the manufacturer's User Manual has been left with:

Name:	

Signature:	

Position:	