

# Concept 2000 Bath

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This product has been designed to the highest standards with safety, strength and quality in mind.

Follow the recommendations in this guide to ensure maximum benefit from your Chiltern Invadex Concept 2000 Bath.

# Things to consider before using the bath

## Safety

- Do not operate the seat lift without the seat being locked to the ram.
- Do not exceed the maximum load of 130kg (20 stone).
- Do not operate the seat lift without the latch in position (except power traverse model).
- Always keep hands away from the underside of the seat when lowering into the bath.

## For your added comfort

- Ensure all items for bathing including towels, flannel, soap, shampoo etc are within reach when sat in the bath.

## Loss of mains power

The raising and lowering (and traversing if power traverse model) function will operate as normal if an optional battery back-up is fitted.

## Cross infection

Warning: If this unit is to be utilised by many different bathers, then we would strongly recommend that it is cleaned with a medical disinfectant. Please consult your local infection control nurse for further advice.

# Cleaning and maintenance

The Concept 2000 Bath does not require any major maintenance, but you should follow these simple instructions.

To retain the surface quality of your bath weekly cleaning using bathroom cleaning mousse or washing-up liquid, warm water and a soft cloth is recommended. For the slip resistant floor area you may need to use a stiff brush. Stubborn stains may require a non-scratch liquid cleaner.

Do not use oven cleaner or scouring powder on any of the surfaces which may spoil the appearance of your bath.

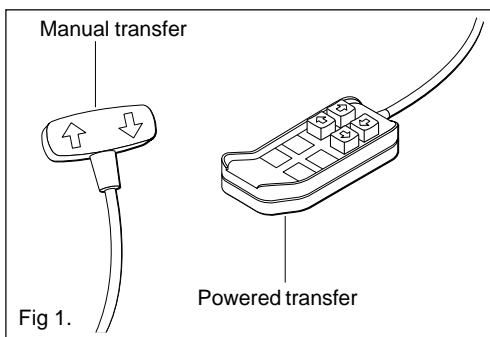
Clear any soap residue or hair from the bath drain outlet after use.

# Operation guide

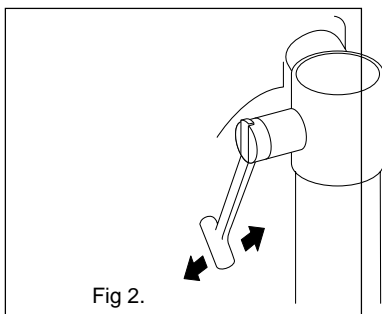
All users should follow these simple instructions prior to use:-

- Turn drain handle to the closed position.
- Gradually turn on hot and cold water taps and adjust balance until a comfortable water temperature is achieved.
- Fill bath to desired level, adjusting cold and hot taps as necessary.
- Clean bath after use (see cleaning and maintenance section).

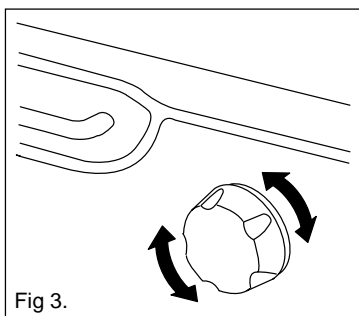
The handsets shown in Fig 1 are used to raise or lower the bath seat and to transfer to the bath (if power transfer is fitted). The handsets are air operated and completely safe to immerse in water.



The seat locking mechanism release lever can be operated by either pushing or pulling the lever, as Fig 2 (not on power traverse models).



The drain handle located on the inside of the bath, as Fig 3 should be turned in a clockwise direction to open the bath drain, or anti-clockwise direction to close the drain.



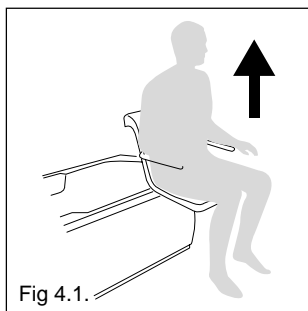
#### Transferring to the bath seat

The bath seat can be raised by pressing the ↑ on the handset or lowered by pressing the ↓ on the handset, as shown in Fig 1.

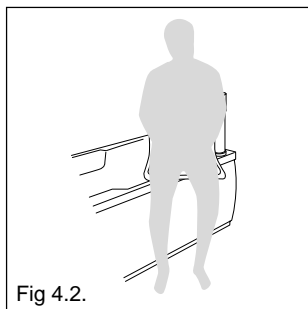
The seat locks in position to provide safe, secure transfer. The arms can also be raised to allow easier access.

#### Transfer

Raise the seat to the maximum height to clear the bath edge, as fig 4.1 (both models).



Manual transfer:- Before the seat can be rotated the locking mechanism must be released, as Fig 2. For those people who have difficulty lifting their legs over the bath side a low stool can be placed next to the bath to provide a half way step between floor and bath side.



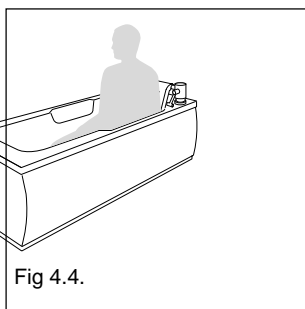
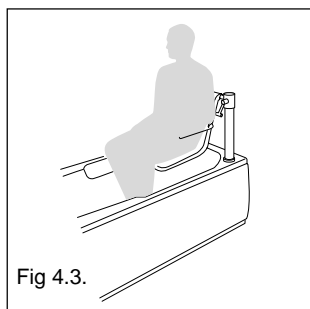
Powered transfer:- The bath seat can be rotated using the → on the handset, as Fig 1. Depressing the ← button will rotate the seat in the opposite direction.

Note:

- 1.The bath seat will not rotate until it is raised to the maximum height.
2. The seat cannot be raised or lowered during rotation.

#### Descending into the bath

Lower the bath seat to the desired position using the ↓ on the handset, as Figs 4.3/4.4. Pressing the ↑ will raise the seat.



# Operation guide - Spa option

Note: Installation instructions are supplied with the Spa fitting kit.

## 24 and 30 Jet Premier Spa System

- Fill the bath in the normal manner. Ensure the bath is filled with at least 130mm (5") of water before operating the system.
- The system is operated by opening the air control valve. Adjustment of this valve will control the vigour of the air from a bubble to full turbulence.
- It is recommended that the setting is kept at a low level during the initial periods of use and bathing time with the Spa on is built up gradually to a maximum of 20 minutes.
- Once you have finished using the bath, empty it in the normal manner and when drained open the air control again for 15 to 20 seconds to expel any remaining water within the system.
- The spa is virtually maintenance free and only requires an occasional wipe around the the jets with a domestic cleaner, as recommended by the manufacturer.
- For multi-user facilities we recommend disinfection of the Air Spa with a proprietary clinical disinfectant.

Please note:

- Bubble bath should be used sparingly, as the agitation produces an excess of foam.
- Pregnant women should consult a doctor before using the spa.
- The spa should not be used when bathing in water above 38 degrees centigrade unless the user has built up to this temperature over a period of time.
- Even when the bath has not been used with the spa in operation the system will have absorbed water from the base of the bath and it will still be necessary to operate the spa once the bath has emptied for 15 to 20 seconds to clear the water manifolds.

# Installation

## General guide

**IMPORTANT NOTE:** Sufficient room must be allowed for the rotation of the seat, allowing space for the user and carer.

All installation work should be carried out by Chiltern Invadex Installation Department or by qualified personnel complying with all relevant regulations and byelaws.

All services should be complete and tested before attempting the installation.

All building work and decorating should be finished ie. a suitable floor in place, skirting boards painted and fixed, walls and ceilings plastered.

## Technical assistance

Should you require any technical assistance or have any queries regarding installation procedures contact your nearest Chiltern Invadex Regional Office. For an efficient response it would help if you have the model type and serial number to hand when you call (the serial number can be found on the label on the bath frame).

## Services – Incoming Water

The installation must be in accordance with local water company byelaws. We recommend 22mm feed pipes to the selected taps/mixer. This will allow maximum water flow to fill the bath. Accessible Isolating valves need to be fitted /be available to facilitate future servicing.

## IMPORTANT NOTES:

- The bath frame assembly must be securely fitted to a sound wall and floor surface using fixings supplied.
- The bath must be level along both planes, as Fig 8.
- 24 volt power only must be supplied at the 3 pin socket via the transformer; the socket must reach the front leg.
- The bath front panel must be readily removable to allow future servicing.

- If this product is for use in a hospital/nursing home environment a Thermostatic Mixing Valve (TMV3 approved) must be installed, and is available as an option.
- During installation protect bath from damage and floor surface from scuffing by using cardboard packaging.

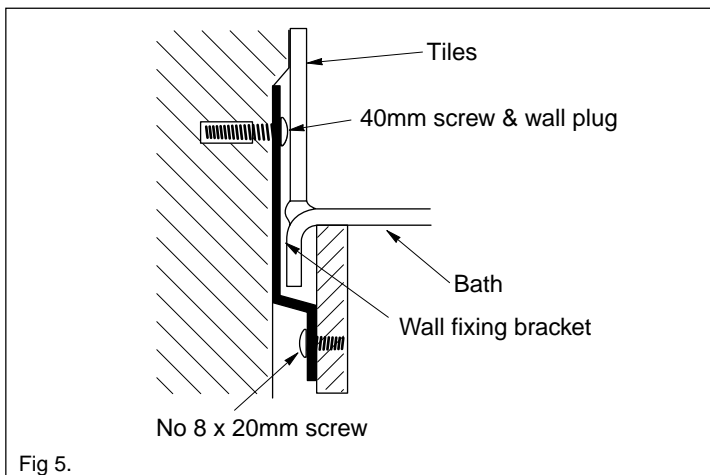
#### Waste water

A dedicated 38mm (1 1/2") plastic waste pipe is required which must not be connected into the existing pipework.

## Bath fitting instructions

### Positioning and securing the bath

- Complete all plumbing work before positioning bath.
- Unwrap bath and remove all packaging. Do not discard foot mounting brackets. Remove the two wall brackets from the accessory package and fit to rear most timber batten as shown in Fig 5. using No.8 x 20mm pan head self-tapping screws.
- Mark and drill position for taps or mixer and fit.
- Place bath in desired position and mark bracket positions on the wall. These two positions will need to be chased out to allow the bath to sit against the wall as Fig 5.



Replace bath in position and place the the two slotted foot clamps over the two feet nearest the wall with the slots facing towards the front of the bath. Mark all ten fixing centres and pull bath away from wall, as Fig 6.

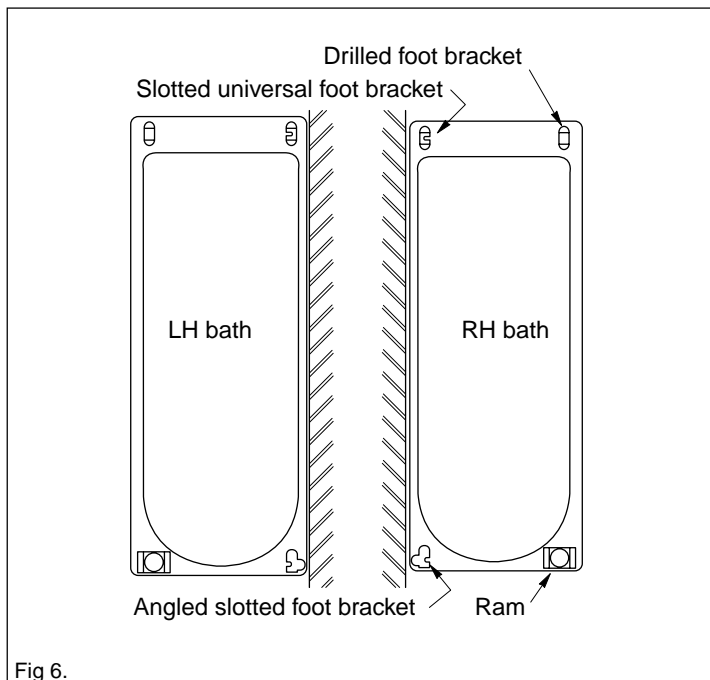
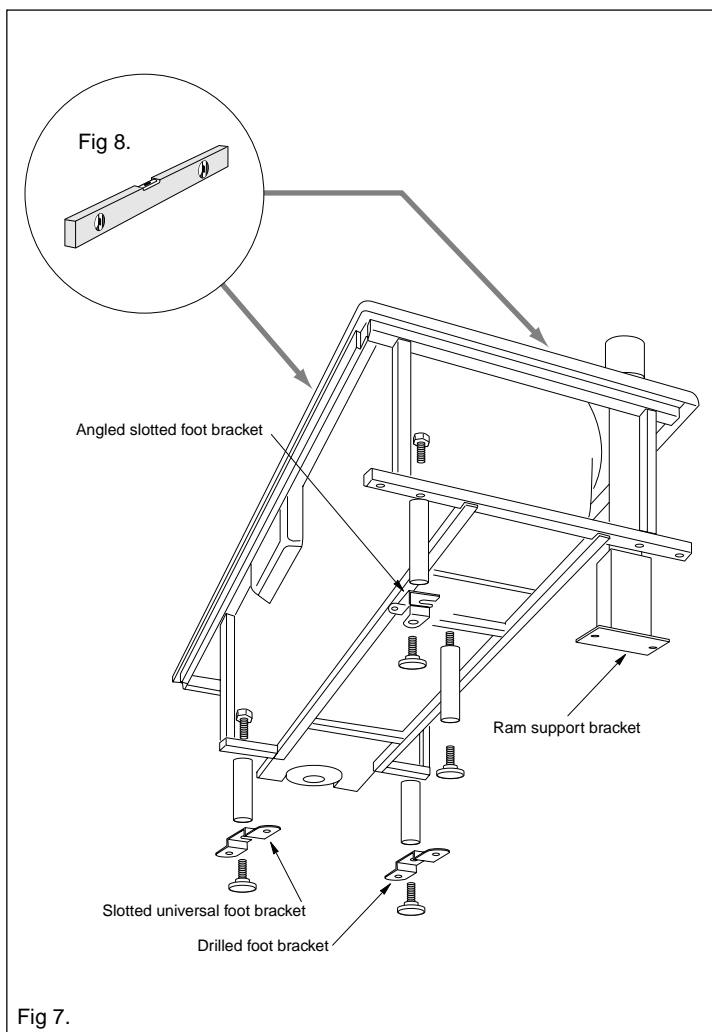
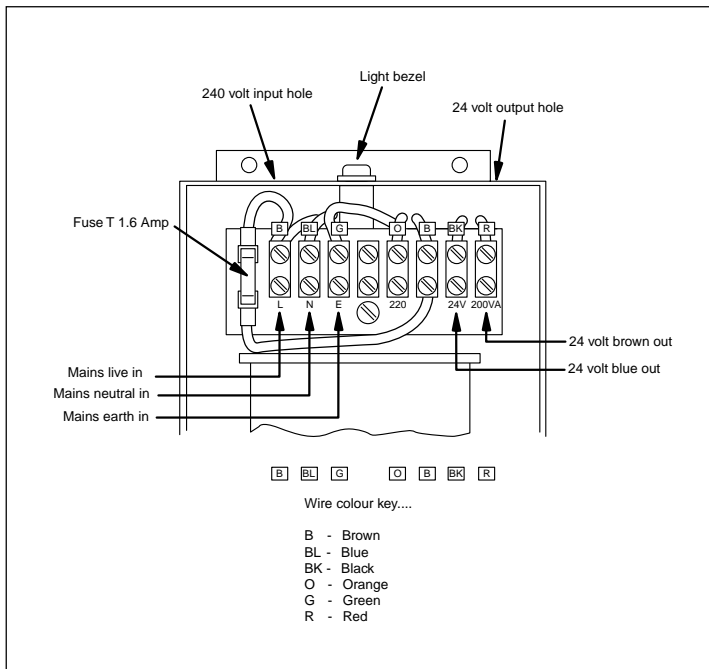


Fig 6.

- Drill all fixings and slide bath into position, ensuring that both rear feet and the lock nuts are under the clamps. Fasten down all fixings as Fig 7.
- Level bath in both directions as Fig 8. by adjusting the individual feet, using the ram support bracket as the datum.
- When level tighten all lock nuts upwards (anti-clockwise) to lock feet against the floor and feet into legs.
- Make good tiling and plaster over wall brackets and seal bath surround.

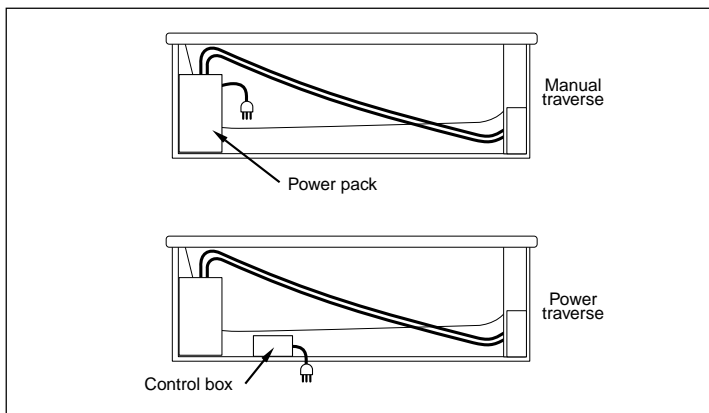


# Electrical Connection



The low voltage output from the transformer should be connected to either:

- The power pack 3 pin plug on the manual traverse.
- The control box 3 pin plug on power traverse models.



# Fitting of services

- Using flexible pipes or hard plumbing connect to taps/mixer.

## Waste water

- Connect waste pipe to outlet connection on bath.

## Testing the pipework

Flush all pipework prior to connecting to taps to remove any debris.  
Check for any leaks in the pipework.

- Check pop-up waste for seal and lift. To adjust, turn screw on the bottom of the plug to raise or lower into seating.
- Fill bath to overflow level to check for leaks and to make sure that the overflow pipe is working correctly.
- Drain the bath by rotating the control knob to lift the pop-up waste. Check for any leaks in the waste pipework.

## Fitting panels

- Fit side panel and end panel.

# Accessories

|   |                             |   |   |
|---|-----------------------------|---|---|
| 1 | Bath taps with levers       |   | see Chiltern Invadex accessories brochure |
| 2 | Thermostatic shower/mix     | 1 | IDBSM3000                                 |
| 3 | Thermostatic blending valve | 1 | IDTBV003                                  |
| 4 | Twin impeller booster pump  | 1 | SHPU015                                   |
| 5 | 22mm x 1m flexible hose     | 2 | BA0 832                                   |
| 6 | Cushion                     |   |   |

# Servicing and maintenance

European standard EN10535 requires that lifting devices shall be serviced every 12 months. LOLER regulations require an additional inspection every six months. All inspection and maintenance work must be conducted and serviced by a competent person.

Further details can be obtained from any Chiltern Invadex Invadex Office, details are shown on the reverse of this guide.

Chiltern Invadex and its authorised dealers are able to carry out all aspects of servicing and maintenance work.

Keep the service record at the back of this booklet up to date, LOLER requires that installation and maintenance records are retained for inspection.

Do not use this lifting device if there is any damage.

# Commissioning of the product

The bath must be commissioned when installation is complete by Chiltern Invadex or an approved dealer, otherwise any faults arising will be charged as a service call and not as an in warranty claim.

# Extended Warranty

Chiltern Invadex can offer an extended warranty on the Concept 2000 Bath for a period of up to four years. Please contact your nearest Chiltern Invadex office for further details.

# Warranty

Your Chiltern Invadex Concept 2000 Bath carries a 12 month warranty from the date of purchase, subject to the following :-

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

# Concept 2000 Bath Service Record

Serviced By  
(company) .....

address .....

..... post code .....

Engineers Name (please print) Signature

.....

Date: ..... Load Tested To: .....Kgs

Comments.....

.....

Serviced By  
(company) .....

address .....

..... post code .....

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Engineers Name (please print) Signature  
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Date: ..... Load Tested To: .....Kgs

Comments .....

# Thermostatic Mixing Valve (TMV) Maintenance Log Sheet

Hospital/Nursing home .....

Ward/Location .....

Asset ident/Valve No. ....

Installation date .....

Manufacture .....

Model, type and designation of TMV .....

Point of delivery .....

Set water temperature at outlet .....

Location/access to TMV .....

Location of hot and cold isolation valves .....

Hot and cold water supply pressure .....

History: see note 4

| Date | Starting Temp °C | Finished Temp °C | Work details | Signature of competent person |
|------|------------------|------------------|--------------|-------------------------------|
|      |                  |                  |              |                               |
|      |                  |                  |              |                               |
|      |                  |                  |              |                               |
|      |                  |                  |              |                               |
|      |                  |                  |              |                               |
|      |                  |                  |              |                               |
|      |                  |                  |              |                               |
|      |                  |                  |              |                               |

**Notes:**

1. Point of delivery: bath, shower, wash hand basin, bidet, etc.
2. Set water temp at outlet: refer to Trust policy guidance and risk assessments.
3. Location/access of/to the TMV - under wash hand basin, panel access in wall, ceiling, floor etc.
4. History: state whether new, new replacement, refurbished, what parts were replaced, adjustments made etc.

All entries must be signed by a competent person.

When any work or adjustments are made to the TMV, always record the TMV water outlet temperature BEFORE and AFTER the work or adjustment to the TMV.