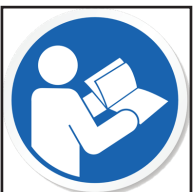


SYNCRA Standard

INSTALLATION & OWNERS MANUAL

Important: Read Instructions before use.

Serial Number



Warranty

This product is guaranteed against all defects in manufacture
for a period of one year.

This does not affect your statutory rights

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Our policy is one of continuous development, and we therefore reserve the right to make technical alterations without notice. The content of this publication may not be copied either whole or in part without the consent of Astor Bannerman (Medical) Ltd.

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Scan to connect to U TUBE for instructions on setting up the music system.





Warning:

Before using this equipment you must read and fully understand these instructions, this equipment is only to be installed and used by competent, trained persons

Forward

Thank you for purchasing a Syncra Bath.

The Syncra Bath is intended for bathing children and adults, weighing up to 160 KG, who are capable of maintaining an upright sitting position. The bath must not be used for any other purpose.

Product description.

The Syncra is powered by a 24 Volt system reduced from mains power. This system is equipped with a back up battery and will enable the client to transfer out of the bath in the event of supply failure. It is essential that the mains power is switched on at all times to charge the battery and operate the bath.

NB: the chair will only transfer **out** of the bath when the power fails.

Models covered by this instruction

00.016.00.0001	Syncra Standard Bath, with LH Seat & Angled Arms
00.016.00.0002	Syncra Standard Bath, with RH Seat & Angled Arms
00.016.00.0003	Syncra Standard Bath, with RH Seat & Straight Arms
00.016.00.0004	Syncra Standard Bath, with LH Seat & Straight Arms
019.400002	TTI3 Thermostatic bath/shower mixer taps (TMV2)
019.400003	Autotherm Thermostatic bath/shower mixer taps (TMV3)
011.700001	Shower Gantry to fit Syncra, WRAS approved.

Warnings and safety checks:

Symbols used in this manual

	Warning: MEANS: Failure to understand or obey this warning could result in injury to you or others.
	Caution: MEANS: Failure to follow these instructions may result in damage to this equipment.
N.B.	Note: MEANS: Important information for correct use of the system or equipment.



Warning

Check the temperature of the water in the tub before bathing.

CAUTION !

Carry out the following checks daily; before using the bath.

Check the bath is permanently connected to a 230 Volt mains electrical supply to ensure continued, uninterrupted, use of the equipment.

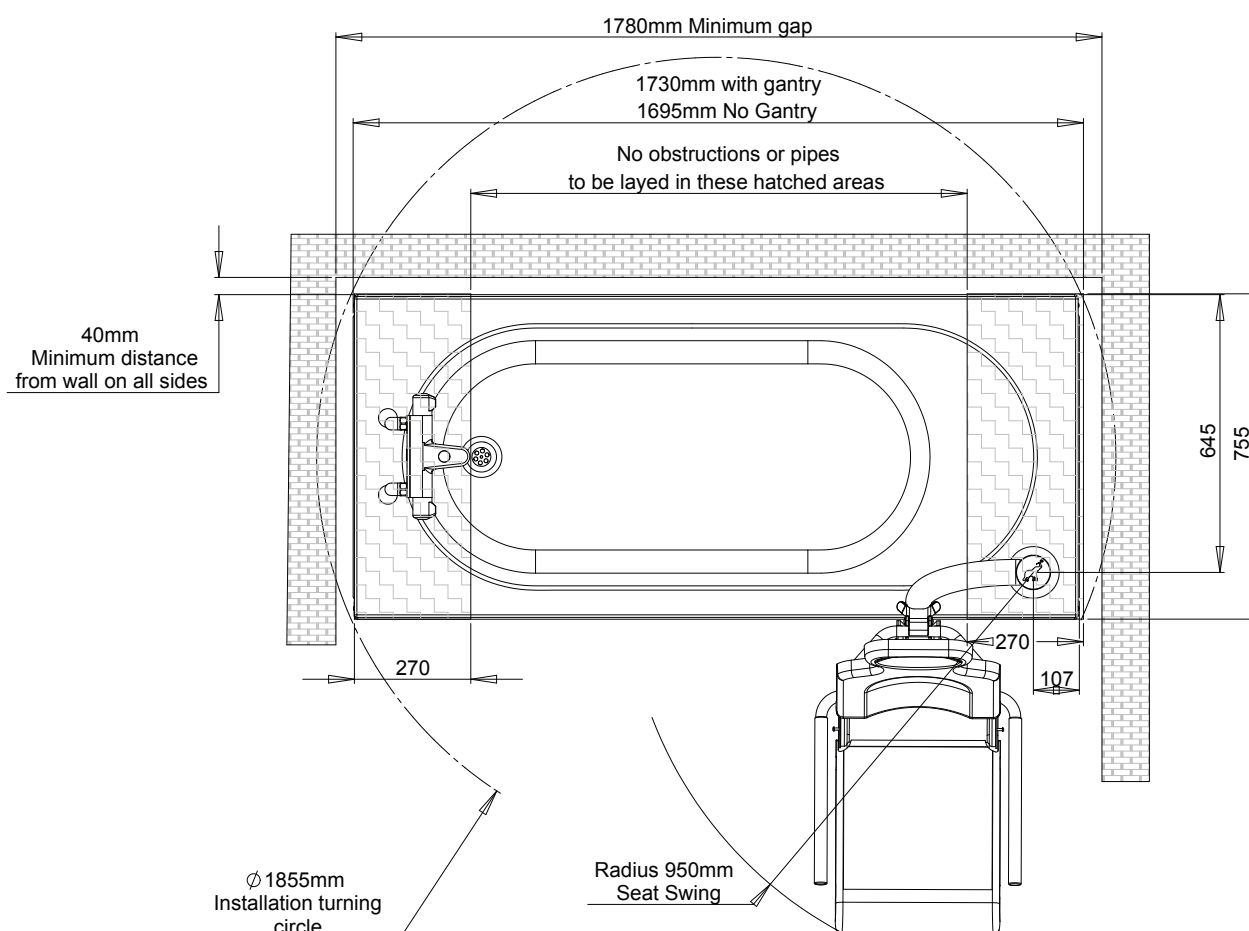
Check the tub will raise and lower properly using the handset.

Check there are no obstructions or items that may be trapped when the bath is operated.

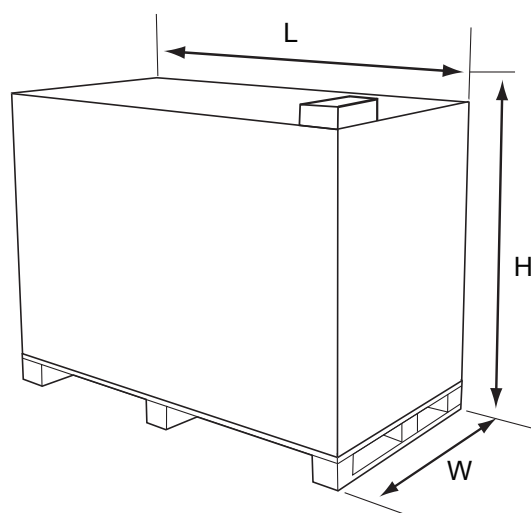
Check that the trolley catch and the chair catch on the lift arm are working and not damaged.

Recommended space requirements.

N.B.



Weights and Measurements.



L= Length: 1770mm
H= Height: 950mm
W= Width: 740mm

Complete package weight: 170Kg

Bath and accessories weight: 147Kg



Syncra height adjustable bath.

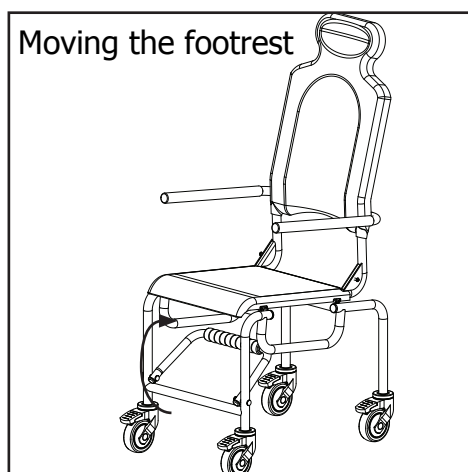
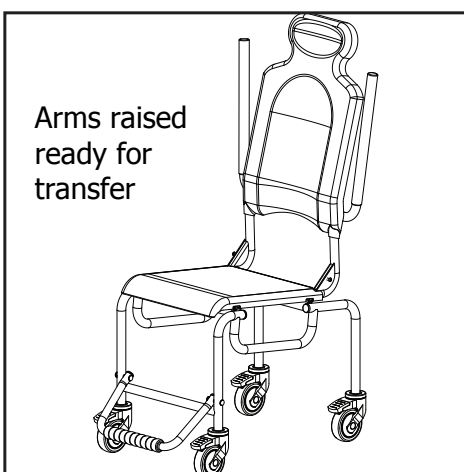
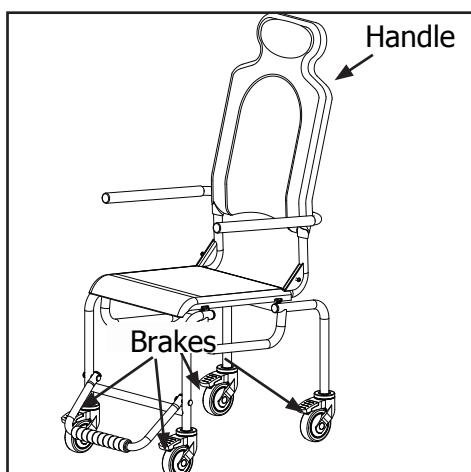
WARNING:

This equipment must be used as described in these instructions.

Using the chair.

With the Chair on the mobile trolley, collect the client from their room.

To seat the client on the chair, first raise the chair arms as shown. **Apply the brakes.** The foot rest may be hinged upwards to create more leg room when sitting down.

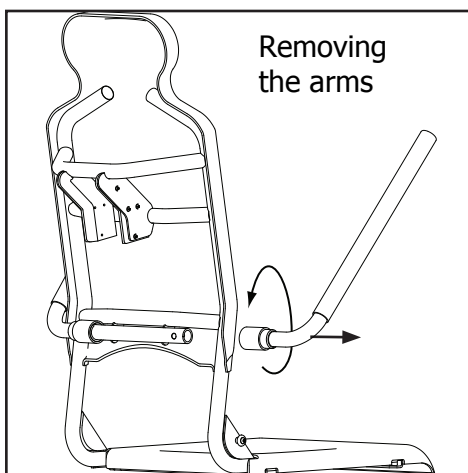
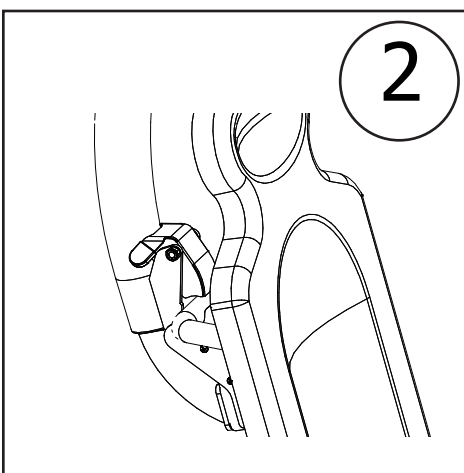
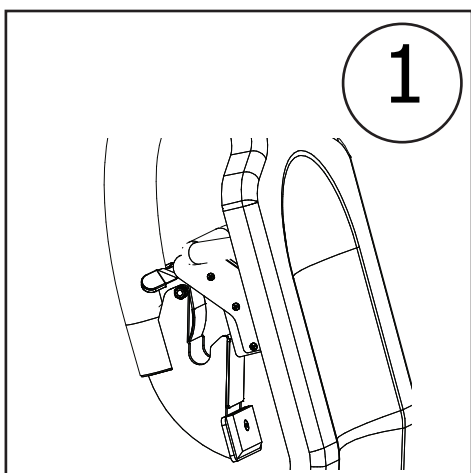


When the client is seated fold the chair arms down.

Fit the lap strap around the client and secure over the white buttons at both sides.

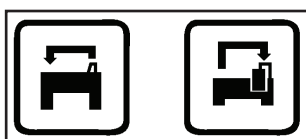
Return to the bathroom and place the chair in position ready to transfer the client.

The chair arms are fitted/removed by rotating half way between seat base and back to locate the pin in the slot and slide outwards.



Handset Buttons.

CHAIR IN



CHAIR OUT

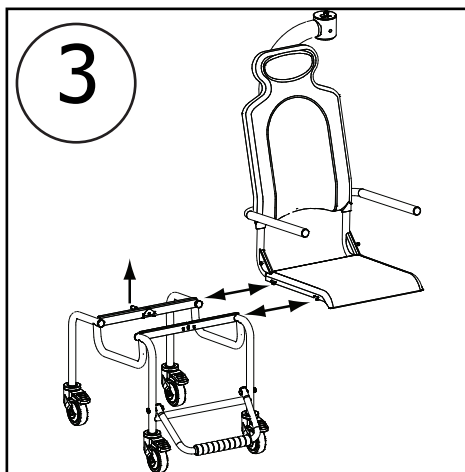
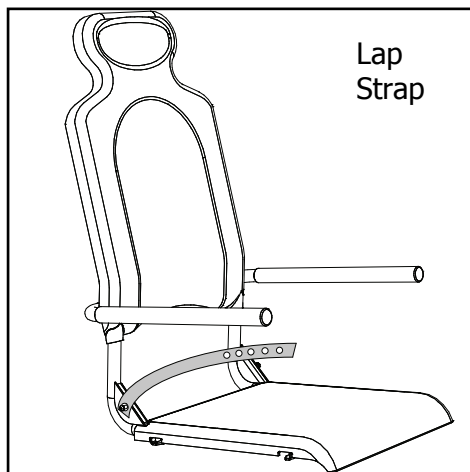
Transfer

Put the chair onto the lift attachment as shown (1), do NOT apply the brakes, then raise the chair using the handset, ensure the latch is closed and the chair is located (2).

Raise the chair until the wheels are clear of the floor, then remove the trolley from the chair by lifting the rear catch and sliding the trolley out sideways (3)

Press the button again to continue into the bath and release when the desired position is achieved.

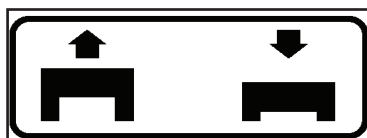
NB: The chair will stop automatically when fully lowered in the bath.



Take care not to trap your fingers when fitting the trolley to the chair

The height of the bath can be adjusted using the centre row of buttons.

BATH UP



BATH DOWN

Transfer out of the bath.

The chair arms must be in place.

After bathing ensure the lap strap is around the client and securely fitted over the white buttons. Press the handset button and continue to hold the button until the client is out of the bath.

Connection to the trolley.

Before reaching the lowest position stop the transfer and slide the trolley under the chair (**3**) until the latch closes and the trolley is retained, do **NOT** apply the brakes, continue to lower the chair until the wheels are near the floor. **STOP**

Lift the arm catch up to unlock, then continue to lower the chair until it is clear of the lift arm.

Ensure the trolley is fully located. You may then move the chair and trolley away from the bath.

NB: IF the transfer stops and the bath emits a beep tone, there is something trapped under the chair

Tap options

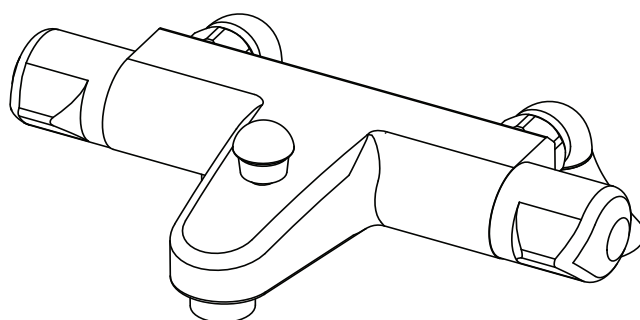
Thermostatic mixer taps. TMV2 compliant.

Turn the knob on the left anticlockwise to turn on the water.

Turn the right hand knob to adjust the temperature to a maximum of 42 degrees centigrade for bathing and 38 degrees centigrade for showering.

The red button allows the temperature stop to be set above the standard 38 degrees Centigrade.

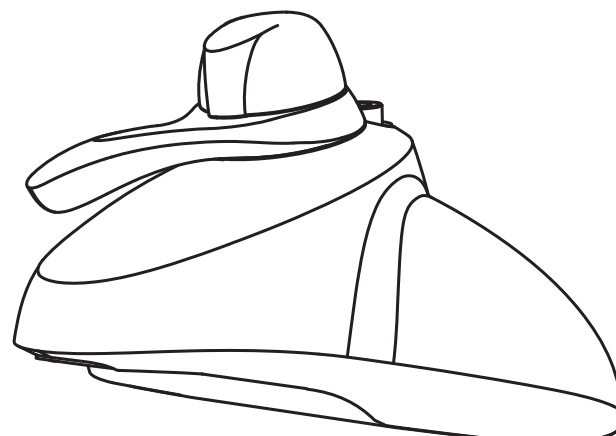
To transfer the water flow to the shower, lift the round knob on the top of the tap.



Thermostatic mixer taps. TMV3 compliant.

Use the large centre knob to control the water temperature. Turn the knob anticlockwise to increase the temperature a maximum of 44 degrees centigrade for bathing & 38 degrees centigrade for showering.

The lever control is used to divert the water from bath to shower. (Centre off) and to control the water flow rate.



Caution: !

Cleaning your Bath.

Ensure the bath is cleaned after each use to avoid the risk of cross infection / contamination.

The bath may be cleaned using most mild cleaning agents.

Chemical agents, bleach and solvents must **NOT** be used, i.e. drain cleaners, acetone, sodium hypochlorite, oven cleaners or acids.

The taps, side and end panels and handset should be cleaned using a warm soapy solution and rinsed with a damp cloth.

Attention should always be paid to instruction labels for the cleaning agent.

Packing list

	Item No.	Item Description	Qty.
	21.090.00.0369	Cable, armoured, 1.0, 3 core	4
	20.015.60.0006	Handset, 4 Button	1
	20.032.00.0003	Holder, handset	1
	20.013.40.0011	Hose, Inlet for Rio	2
	10.013.70.0005	Waste assembly, RIO	1
	21.090.00.0456	Fixing, fir tree, 6mm x 15mm	4
	21.090.00.0455	Rivet, button, white, 4mmx10mm long	24
	21.090.00.0495	Rivet, button, white, 4mm x 8 long	8
	21.090.00.0360	Sucker pad (Handset holder)	1
	20.016.00.0029	Clamp, Foot	1
	75.090.00.0457	Screw, No.6x3/4 s/less csk self-tap	4

Installation: General Site Requirements.

The wall decoration and floor covering must be complete **BEFORE** installation.

Positioning and fixing the unit.

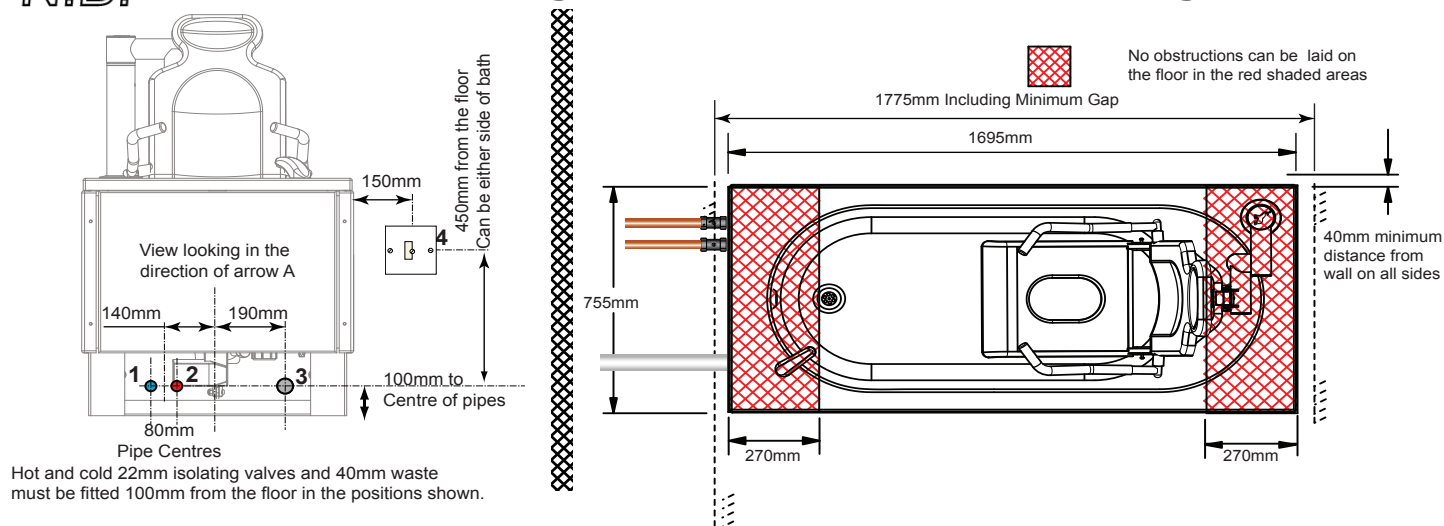


The Syncra bath needs to be secured to floor, using expansion fixings into concrete or if on a wooden floor, the floor needs to be sound and suitable fixings used to secure the bath to and counter the overturning moment.

Adjacent walls need to be plumb, flat and clear of obstructions. E.G.: No Electric showers or towel rails in the area where the height adjustable bath and chair operates.

Skirting boards may be left in place and the wall may be tiled

N.B. : There must be enough clearance for the chair to swing out of the bath



Installation sequence:

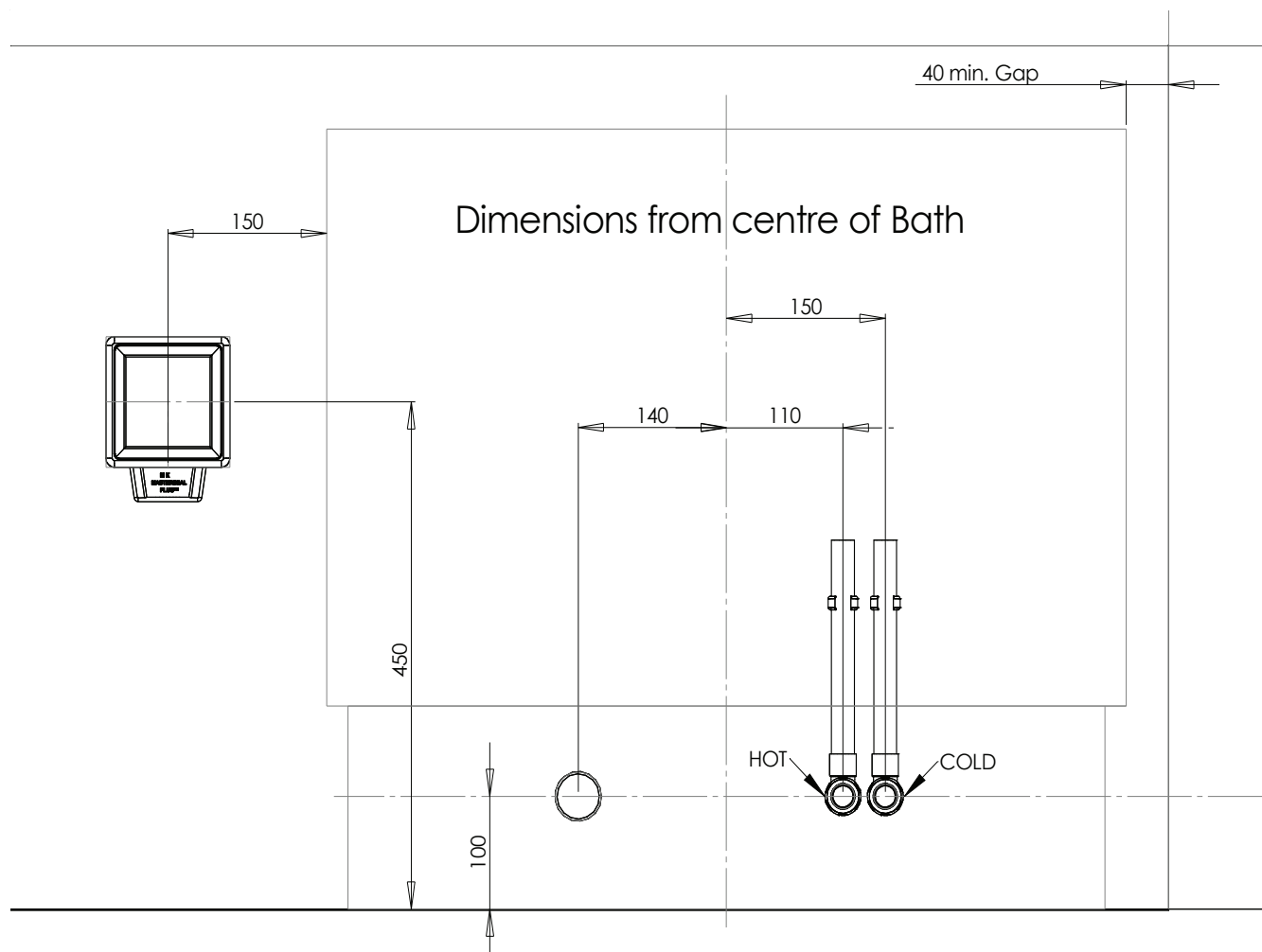
1. Unpack the bath. Identify the taps and fit to the tub, fit the tap supply hoses.
(Fit Neatfold stretcher if supplied)
2. Connect the mains supply cable and the spa pump and lights (options).
3. Position the bath frame mark the fixing points and drill the floor.
4. Fit the supply hoses and flush out the supply pipework
5. Fit the tub and connect the services, spa pipes, manifold etc. and secure the tub to the frame
6. Fit the inner panels and the outer panels on the sides nearest the wall.
7. Screw the bath to the floor
8. Fit the control handset and test the operation of the bath.
9. Raise the tub and connect the waste, support with cable ties through the builders band at the tap end of the tub.
10. Wet test the tub and waste system, then set the mixer to correct temperature.
11. Fit the remaining panels.

Electrical & Plumbing Connection.

The bath requires a 230 volt, 1.25 kW, waterproof, switched, flex outlet
Supplied from a protected fused spur, with the ability to be isolated for maintenance.

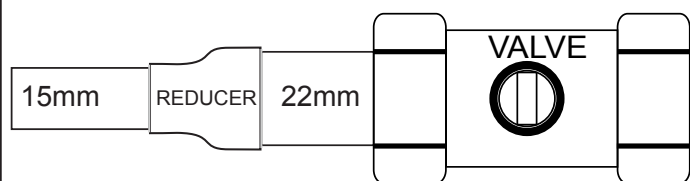


To Avoid the risk of electric shock this equipment must only be connected to a mains supply with a protective earth.



If the service pipes need to be fitted along the side wall they need to be kept tight against the wall.

The 40mm waste pipe can be fed through the wall as shown and cut to the length indicated. It can also be fed through the floor but must be kept tight to the wall and terminate horizontally in the position shown.



Note: If the site piping is 15mm then this should be expanded to 22mm piping at the valve end to accommodate the valves.

TAPS: The Syncra bath can be supplied with various tap/mixer sets.
Water pressures must be equal and a minimum of 1 bar.

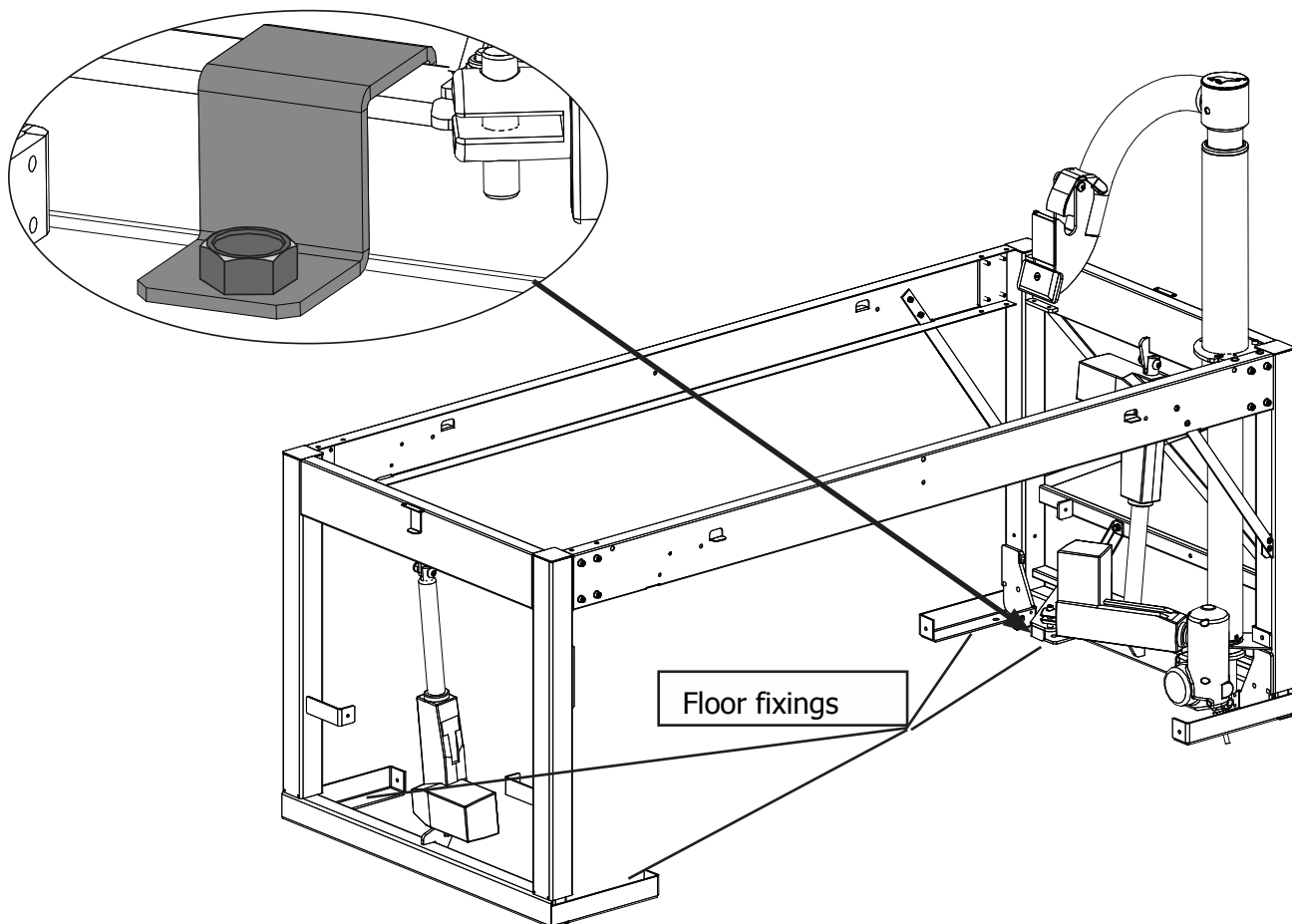
Fixing.

Position the bath in the correct position and as agreed with the customer.



Fixing must only be carried out by trained competent persons.

Before attempting to install the bath, establish the floor type and ensure you have the correct fixings.

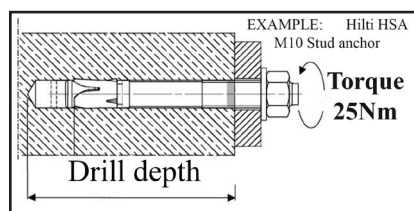
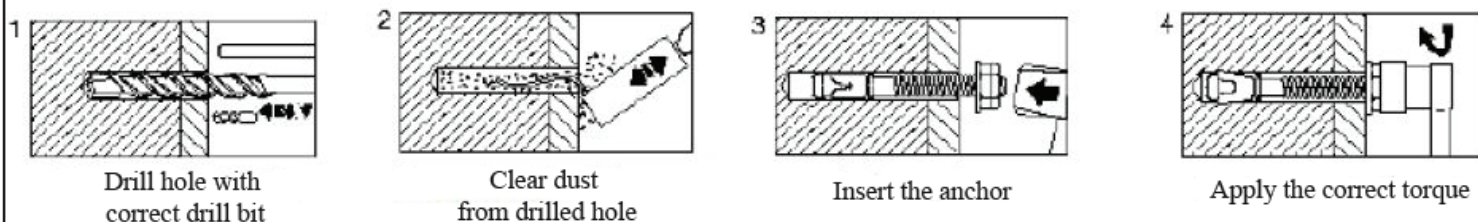


If the floor is concrete (Minimum C20/25) it must be capable of accepting the anchor. For "BISON™" type block and beam floors chemical resin fixings may be required.

Using the Hilti fixings: (Hilti HSA M10 90/80/50 - M10 x135)

Drill the 5 fixing holes indicated in the diagram.

Clear any dust out of the holes, and fit the fixings and tighten to the advised torque.



Fixing information taken from the Hilti Fastening Manual Edition June 2011.

The installer must confirm the integrity of the fixings and carry out a load test of the equipment in line with the U.K. LOLER lifting equipment regulations.

Further information on fixings is available from:

Hilti (Gt Britain)Ltd

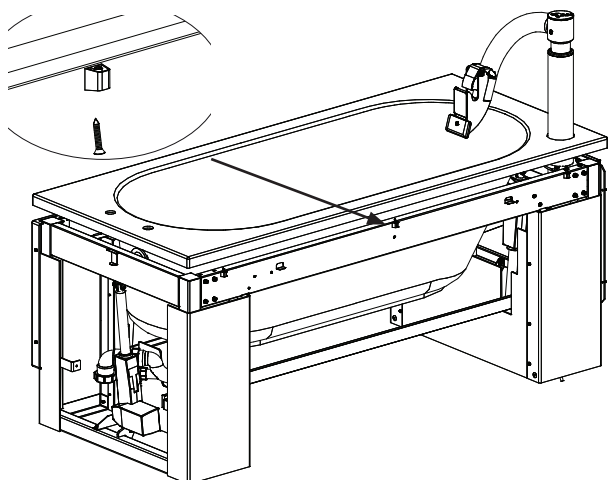
TECHNICAL ADVISORY SERVICE

Telephone 0161 886 1144 Email gbtas@Hilti.com

Assembly Diagrams.

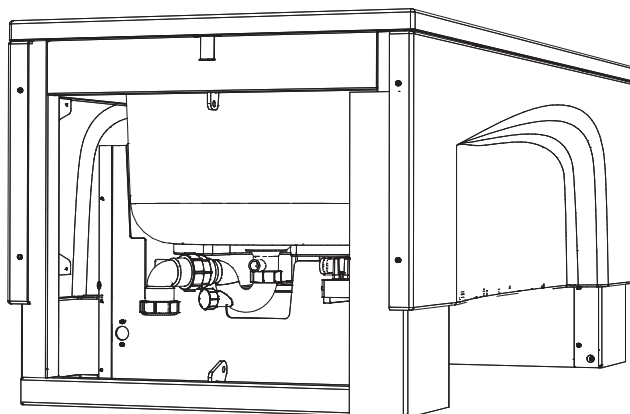


Securing the tub



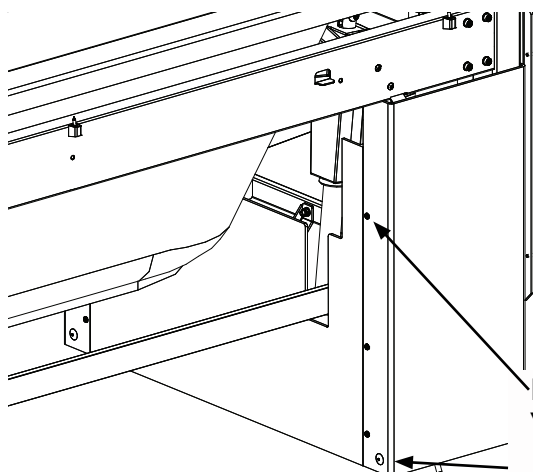
- Fit the tub on to the frame and secure using the screws provided.

Waste arrangement



- Use cable ties through the metal strips to support the waste.

Inner panel fixing



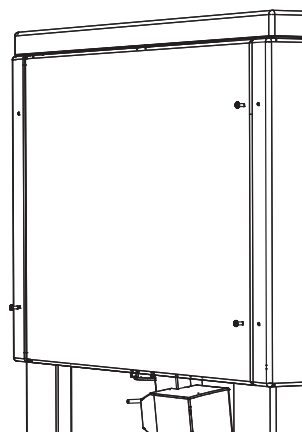
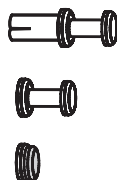
Plastic rivet
'Fir Tree'

- If the inner panels are not fitted prior to shipping, secure as above.

Plastic rivets

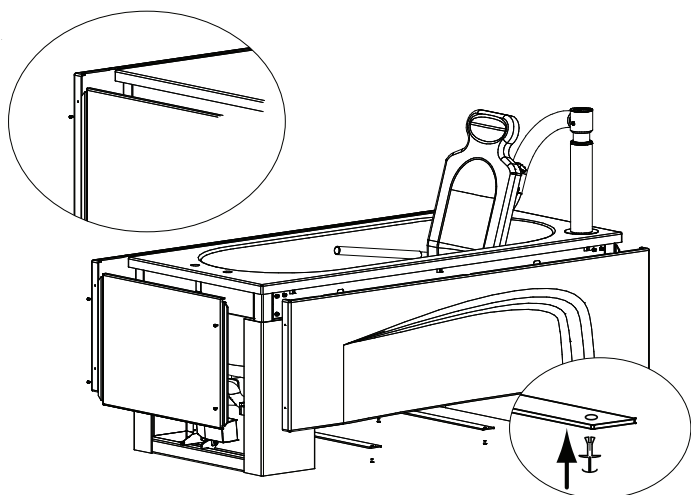
Rivet positions.

N.B. Do not separate the two parts of the rivets. Place the rivet through the cover into the drilled hole and then, press the mushroom head firmly in flush with the cover.

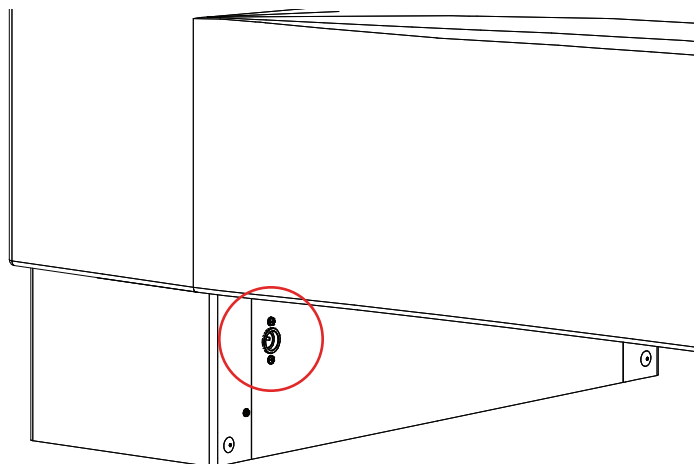


- Secure the outer panels using the plastic rivets.

Panel layout



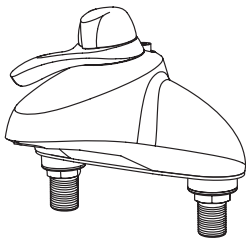
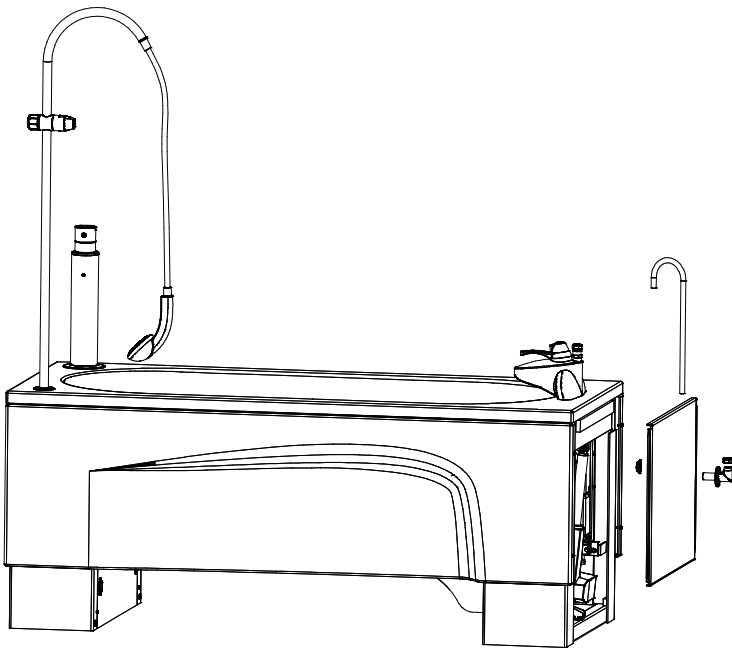
Handset socket



Gantry fitment.

Assembly of Gantry parts.

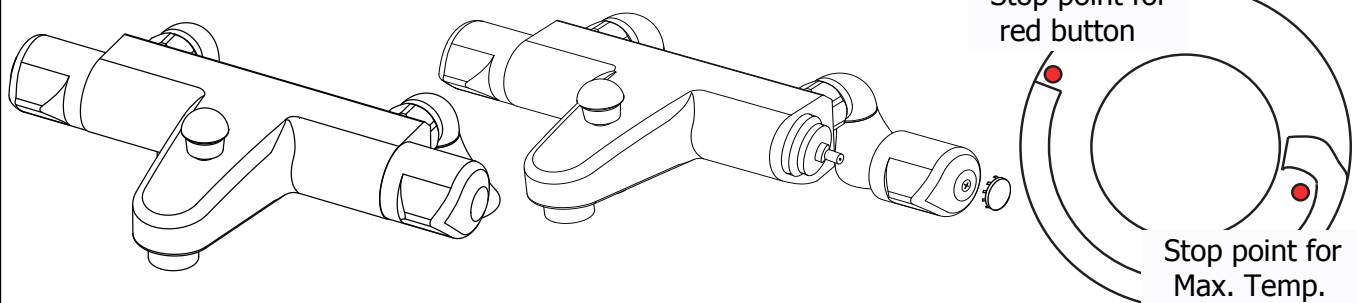
Place the gantry into its pre-drilled hole and retain with 2 flanged locknuts. connect the flexible hose to the gantry end, connect the opposite end to the end panel before fitting.



N.B. Setting Rada Autotherm Thermostatic mixer. Refer to the Manufacturers manual supplied with the bath when this mixer is to be fitted.

Setting the Inta Plus Thermostatic Mixer.

Setting Cam



To set a restricted maximum temperature.

Remove the spring-clip cap from the chrome control knob.

Establish the maximum temperature point to which the knob can be moved and then remove the handle by unscrewing the centre screw.

Set the maximum temperature required by rotating the knurled spindle.

Refit the handle to the spindle. The brass pin in the control knob should locate in the end of the slot in the white cam.

N. B. If set in this manner the override button will become redundant as the set point will be at a

To set an intermediate showering temperature with uncontrolled maximum temperature.

As above but when refitting the knob locate the brass pin at the beginning of the scroll on the cam

N. B. The red mark on the cam is usually in line with the ident on the mixer body, it may be necessary to reposition the cam to achieve the correct position for the knob.

Technical Specification.

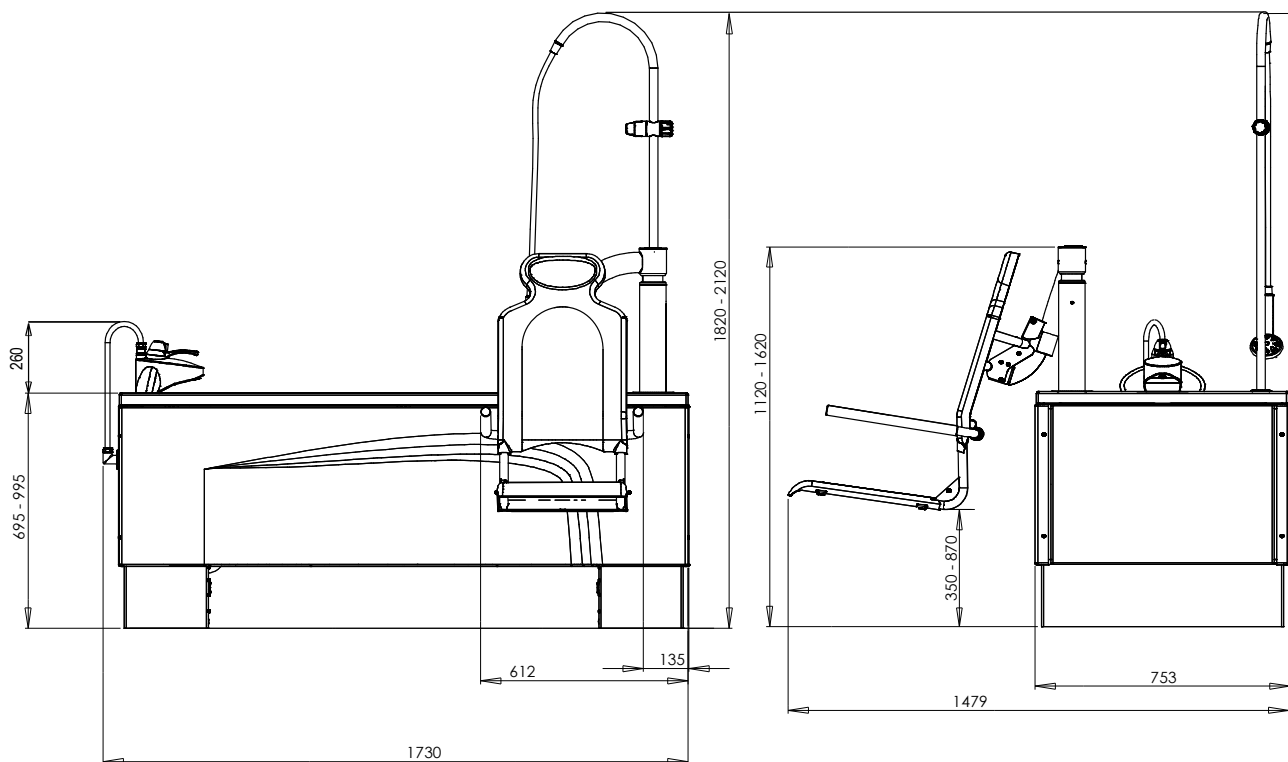
Water capacity tub full without resident:	e 200 Litres
Lifting capacity tub, including resident:	280 Kg
Lifting capacity chair:	150Kg
Duty cycle:	10%, Maximum 2 min./18 min.
Ingress Protection Rating:	IP X5
Supply voltage:	230 Volts ~ 50 Hz
Protection class:	Class 1
Power supply:	5 Amps
Dry weight of Bath:	125 Kg
Seat weight:	10Kg
Trolley weight:	12Kg
A weighted sound emission:	<70dB(A)

Transport and Storage:

Ambient temperature range:	5°C to 70°C
Relative humidity range:	10 - 80 % not condensed at 20°C
Atmospheric pressure range:	50 kPa to 106 kPa

Recycling:

Battery:	Recyclable. Not for disposal. Environmental danger
Packaging:	Wood and corrugated cardboard, recyclable
The product:	Electrical components, batteries, steel and plastic parts to be separated and recycled to local requirements.









Picture shows optional shower gantry

Preventative maintenance.

Carry out the following checks:	Daily	Weekly	Monthly	Annually
Full function test of the equipment.	✓	✓	✓	✓
Check the water temperatures from the mixer	✓	✓	✓	✓
Check the waste system for damage and leakage.		✓	✓	✓
Check the function of the transfer seat ensuring it securely locks to the lifting arm and the trolley		✓	✓	✓
Examine the supply hoses for damage and leakage			✓	✓
Service internal mixer components. (May require more frequent servicing in hard water areas)				✓
Calibrate mixer temperatures				✓
Check cold supply failure shutdown				✓
Check condition of backup battery				✓
Check The security of the floor fixings				✓
Load test the seat & bath (every 6 month to comply with LOLER regulations)				✓

Product Labels.

Model: SYNCRA 		
Lift range: 300 mm (TUB) SWL 280Kg Lift range: 520mm (CHAIR) SWL: 130Kg		
230V ~50HZ 5 AMPS IP X5 Class 1		
	Read Instructions before use 	 2012
	Pb	
Made in England by: Astor Bannerman (Medical) Limited 11f Coln Park industrial estate Andoversford GL54 4HJ		

Meaning of symbols



Read the instructions



Do not dispose of in normal household rubbish



Class 1 applied part (electrical)



Manufactured date



Contains lead (batteries)



European conformity mark



Recycle



Astor-Bannerman (Medical) Ltd.
Unit 11F Coln Park Industrial Estate
Andoversford, Cheltenham
Gloucestershire
GL54 4HJ

Tel: 01242 820820 f : 01242 821110

e mail: sales@astorbannerman.co.uk

WEB: www.astorbannerman.co.uk

CERTIFICATE OF CONFORMITY

Manufacturers Name: Astor-Bannerman (Medical) Ltd

Manufacturers Address: Unit 11F Coln Park
Andoversford
Cheltenham
Gloucestershire
GL54 4HJ

Equipment Type:

00.016.00.0001	Syncra Standard Bath, with LH Seat & Angled Arms
00.016.00.0002	Syncra Standard Bath, with RH Seat & Angled Arms
00.016.00.0003	Syncra Standard Bath, with RH Seat & Straight Arms
00.016.00.0004	Syncra Standard Bath, with LH Seat & Straight Arms

I hereby declare that the above product conforms to the following specification:

93/42 EEC Medical device Directive (Class 1)
2006/42/EEC Machinery Directive

Signed:

Technical Director

For and on behalf of Astor-Bannerman (Medical) Ltd

Date: 04 February 2013

Directors: Dr. K D Kwok MBBS MRCP ♦ J Stuart-Smith MBA BSc ♦ P G Deverson MIOM
Company registered in England No. 2849299 ♦ VAT No. 630 6090 68



077



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