



PROTEC BATHS

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CRAFTED IN BRITAIN

# Duporth Technical Booklet



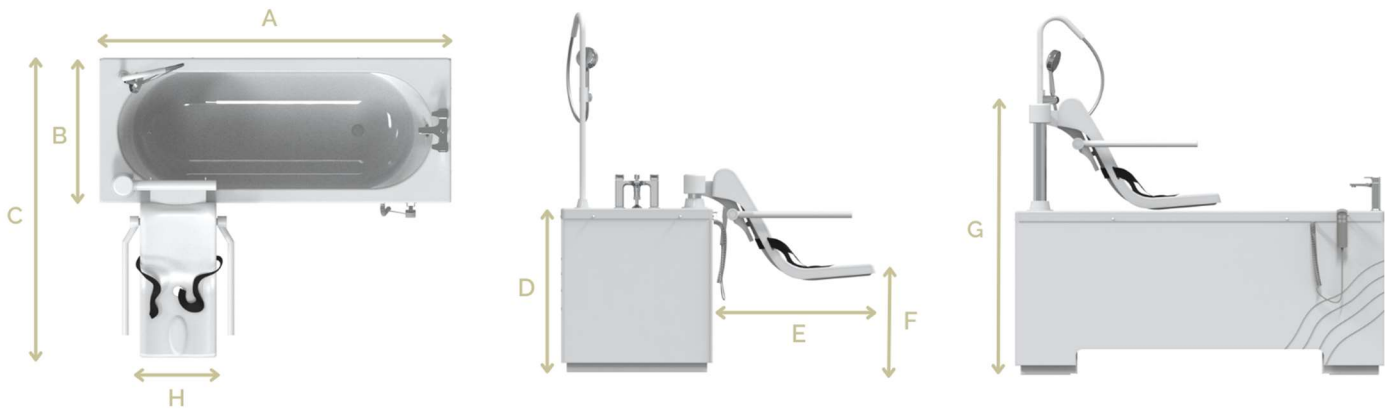
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## BATH SIZING



**Bath Specification:** (mm)

**Bath Sizes:**

	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>A:</b> Bath Length	1500	1600	1700	1700	1800
<b>B:</b> Bath Width	700	700	700	750	800
<b>C:</b> Bath Width with Seat Extended	1400	1400	1400	1450	1500
<b>D:</b> Bath Height	750-1050				
<b>E:</b> Width of Seat when fully Extended	690				
<b>F:</b> Height of Seat when fully Lowered	470				
<b>G:</b> Height of Top of Seat when Fully Raised	1350				
<b>H:</b> Seat Width	380				

Max Load for all sizes:  
21st / 130kg

Sizes are indicative, actual dimensions could vary slightly when bath is fitted

Please Note: When deciding on the position of the Bath, there are several points that should be considered.

1. Service/cleaning access
2. Clearance between door and Bath
3. Hoist/wheelchair access
4. Under floor pipe work and Cabling

## SERVICE REQUIREMENTS

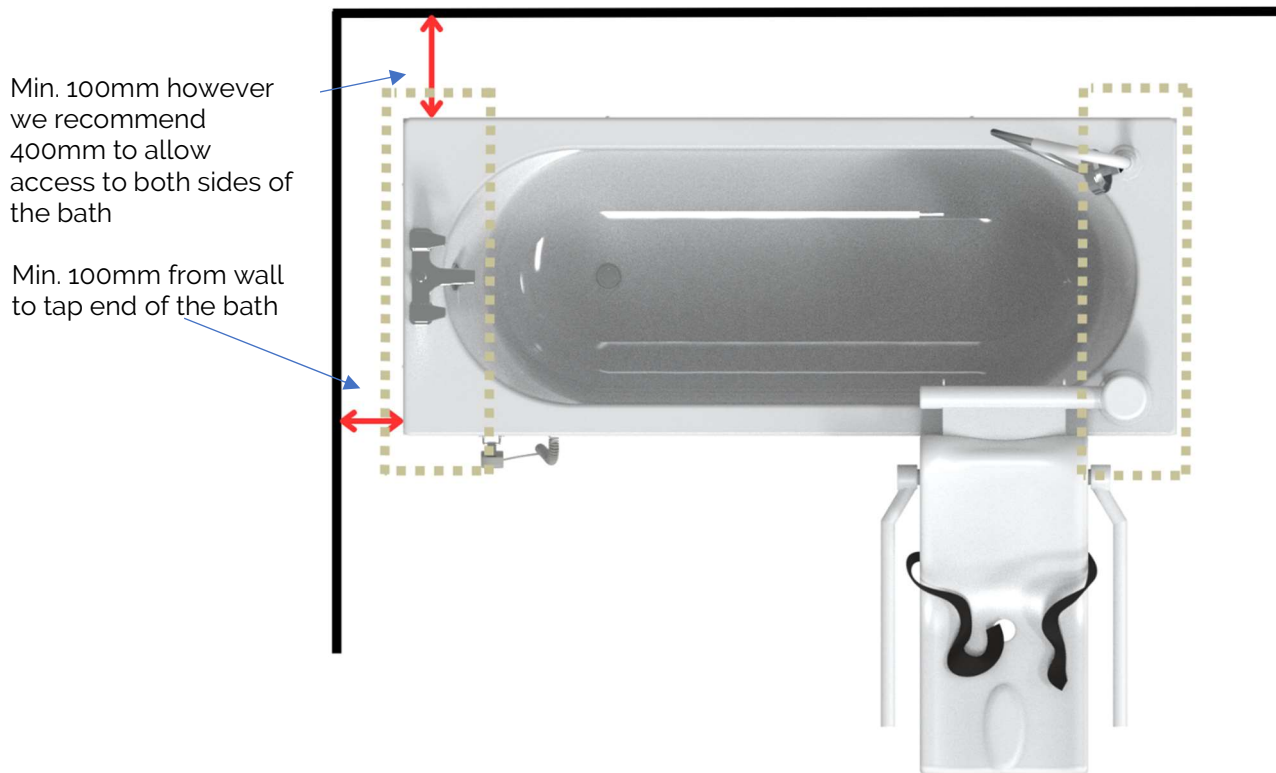
Protec Baths are provided with 22mm Flexi Push Fit Hot & Cold Feeds, and Flexi waste pipe.

1. Adequate 22mm hot and cold feeds coming out the wall/floor at tap end of the bath at least 50mm from the wall.
2. These will require isolators on the feeds to turn off flow whilst fitting the bath.
3. 40mm waste coming out of the wall at least 50mm from the wall.  
An indicative example below:



4. Installers may want to extend the services to enter the bath perimeter if required. See bath positioning diagram below – the Bath footplates are 100mm.
5. (If the feeds come up through the floor, these will need to be 50mm protruding)
6. A IP65 rated 5amp fuse spur fitted to wall at the tap end of the bath. The Fuse Spur must be fitted off the floor to avoid potential water ingress should flooding occur.  
Such electrical wiring and equipment will need to conform to current electrical safety standards.
7. 13amp RCD/trip switch fitted outside of bathroom in easy access.

**It is important that the installer is made aware of the location of the mains electric on arrival.**



The floor directly under the bath located in the yellow hatched area must be sound, solid and even. Ensure there are **NO BURIED SERVICES OR UNDERFLOOR HEATING** within these areas.

**If in doubt, always check with the client / client builders' team.**  
Floor will be drilled to a maximum of 100mm for fixing purposes.

The Bath is supplied with Foot Blocks to keep the bath footplates and guide rails away from any potential water spills. This lifts the bath approx. 50mm off the floor – **Ensure Fixings used are Adequate for this.**

(Threaded Studs are provided with the bath for use with a Chemical fixing Method which we recommend)

# PROTEC DUPORTH HI-LO BATH PRE-INSTALLATION CHECK SHEET

This sheet must be completed and returned prior to installation.

## Plumbing:

Ensure that the hot and cold pipes are at the Correct position and that the pressure is set to a minimum of 1 Bar.  
(If less, please make us aware)

If there an Operational TMV3 Valve on the current pipework?

## Electrics

Electric brought into Bathroom and IP rated fused spur should be fitted to wall in correct location following current electrical safety standards

## Floor

The floor is finished to standard suitable for the equipment fitted.

Completed By .....

Signed By.....

Date:.....

# DUPORTH HI-LO HEIGHT ADJUSTABLE BATH INSTALLATION GUIDE

## The bath comprises of the following items:

1. Base frames complete with Bathtub
2. Electrical control box fitted.
3. Waste kit including long flexi 22 push fit hoses for water and waste supplies.
4. Seat and frame Assembly
5. All Bath Panels and inner Leg Covers
6. Pack containing handset, Inner and outer panel screws, and Bath Foot blocks & fixing Studs etc

## First Fix:

1. Ensure the flooring is of suitable strength. If necessary, add sub-floor support noggins on wooden floors, so as to provide at least 3 inches of solid wood to screw into.
2. Lay in water and waste pipes to run in under the bath perimeter (see details below on bath positioning). Some boxing in may be required, if necessary, over the pipework running from the wall.

An indicative example:



3. Check IP rated 5amp Fuse Spur is in position – a new one may be required to be fitted in the location of the Bath which will provide electrical supply to the Batteries and Lift.

### **Getting power to the bathroom is the responsibility of the client**

The Fuse Spur must be fitted off the floor to avoid potential water ingress should flooding occur.

Such electrical wiring to conform to current electrical safety standards.

## Positioning of the Bath:

Note: To permit proper functioning of the bath, allow at least 400mm clearance from surrounding walls to the side of the bath, and at least 100mm from wall to Tap end of the bath where the pipes enter.

Ensure there is adequate space in the room for transfer to and from the seat.

### Installation of the Bath:

1. Get the bath into roughly the desired position and remove the transportation castors.
2. The Bath is supplied with Foot Blocks to keep the bath footplates and guide rails away from any potential water spills. This lifts the bath max. 50mm off the floor – Ensure Fixings used are Adequate for this.

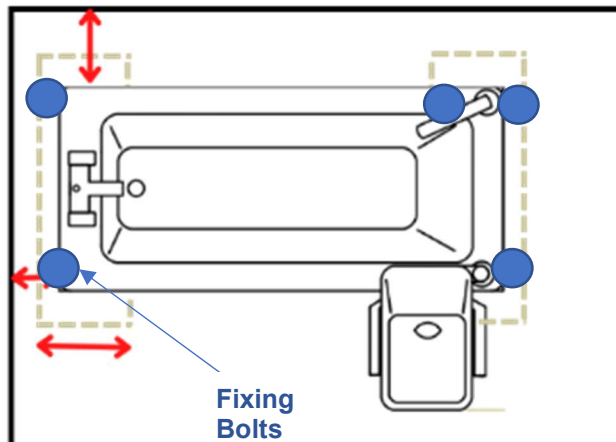
**\*IMPORTANT NOTE\* - if these Foot Blocks are removed, the bath side panel system could bind with the floor and create trap hazard!**



- Once castors are removed, position the foot blocks.
  - Make sure the Adjustable Foot on the bottom of the Seat Column is lowered down to correct depth to support the column when bath fully lowered – **Position 2 above**
  - \*Caution – if the bath is in its highest position, until the bath is fixed to the floor it can be a little unstable\*
3. **\*\* At this stage, you may want to put the end inner panel (inner panel with cutout) in place and fit the end panel on the end that's going against the wall so you can get easy access – once the bath is in position its very tight to do up the screws – see 'fitting the bath panels' section of the guide \*\***



4. With the bath in position, Mark the position of at least 5 holding down bolts.



- *Ensure 2 bolts are used on each footplate on the side opposite to the seat lift column.*  
see below example:



- Bath will need to be raised to access the fixing point under the Seat Lift Column.
- Ensure the end ram assemblies are level and vertical in all directions.

The floor directly under the bath located in the yellow hatched area above must be sound, solid and even. Ensure there are **NO BURIED SERVICES OR UNDERFLOOR HEATING** within these areas.

**If in doubt, always check with the client / client builders teams.**

**Floor will be drilled to a maximum of 100mm for fixing purposes.**

5. Once positions marked, move bath slightly to gain access to the floor area for drilling.
6. With the holes drilled, lift bath back into position and fasten base frame securely to the floor using suitable fixings bolts for the flooring substrate. (Threaded Studs are provided with the bath for use with a Chemical fixing Method which we recommend)

### **Connecting the Electrical Components:**

1. Connect electrical supply & battery back-up and test functioning of the bath as per user instructions. Check illumination of the battery charger light.

### **Connecting the Water Supply & Waste:**

1. Using the handset, raise the bath to its fullest height to aid easy access to fitting the water supply and waste.
2. Connect the Flexi Hoses supplied to the feeds.
3. Connect the Flexi Waste connection on the bath to the waste pipe.
4. Check all routing to ensure no snagging as the bath rises and lowers. May require additional cable ties to guide pipework as the bath moves up and down.
5. Check all connections. Please be aware that some connections may need further tightening after being in transit.
6. Turn on the water supply; ensuring ball valves on incoming supplies are fully open.  
Operate the taps and check for leakage around all newly installed pipe-work joints.  
Check for leakage around the bath waste, trap and waste pipe.
7. Check the TMV3 valve and check temperature of water supply at the bath taps, and shower head. Ensure reading is no higher than 42 Degrees C. Adjust TMV to suit.

Place the inner bath panels into position – do not fix them yet, this is done once the bath panels are fixed.

### Fitting the Bath Side Panels:

1. Fit the end panels first.
2. These will be marked as to which ends they go, fix these through the pre-drilled holes.
3. Gently slot in the end panels centrally to the tub, making sure the end panel is tight out against the tub.
4. Fix each side up through the flange into the timber batten fixed on the tub using flat headed screws provided.
5. Then screw through the holes in the tub to hold the panels up in position – as below.



**ENSURE YOU DO NOT OVERTIGHTEN THE SCREWS!**

6. Now fit the Side Panels
7. These are secured by Hook & Loop tape for ease of servicing access.
  - a. Lift the panel up, centralize it and slot in the top into the gap between the edge of the bath lip and the wooden batten.

**BEFORE PRESSING BACK AGAINST THE HOOK AND LOOP TAPE** make sure the panels are held up tight to the underside of the bath.



- b. Now the panel is ready to be pressed back for the hook and loop tape to do its job.  
The hook and loop is applied in the following locations marked in blue;



Make sure both sides of the hook and loop tape are engaged.

Now add 2 x fixing screws (supplied) to support each side panel at the top of the panels in the locations shown in red above. **ENSURE YOU DO NOT OVERTIGHTEN THE SCREWS!**

### Bath Hand Set Controller:

In one of the side panels there will be a hole to push through the handset cable. Make sure this is done before the panel is lifted up and fixed back.

A little white cover is provided to cover the hole, see below:



this split in the middle to allow the cover to be place around the wire, then is clipped back together on its self.

Once the panels are fixed, and you are happy with the cable coming through the hole, the little cover needs to be fixed in place with suitable sealant or adhesive suitable for bathroom locations.

As below:



### Fixing the Inner End Panels:

1. Check the position by lowering the bath, checking constantly on any binding and adjust the position as required. The panel with the cut out is used at the end the pipework enters.
2. Once the position of the panels is determined, fix to the floor with adequate floor fixings. **ENSURE YOU DO NOT OVERTIGHTEN THE SCREWS!**
3. Insert the small brace piece at the front to hold the 2 sides together. **ENSURE YOU DO NOT OVERTIGHTEN THE SCREWS!**

Remove all bath wrapping and protection from the panels and tub.

**If you have any questions whilst installing, please call our team on 01726 438694**

**The bath is now complete, please follow the steps on the 'Protec Baths Completion Certificate' to commission the Assisted Bath.**