



bathroom  
technical guide

# **FIRED EARTH**

<b>Design and Planning</b> .....	4
Waste pipes:.....	4
Water systems:.....	4
Water storage/supply:.....	4
Load bearing: .....	4
Positioning:.....	4
Storage:.....	4
Ordering: .....	4
Rough Parts: .....	5
Delivery: .....	5
<b>Fitting Considerations</b> .....	6
Building Work: .....	6
Layout:.....	6
Brassware and Water Pressure:.....	6
<b>Baths</b> .....	7
Considerations: .....	7
Freestanding baths:.....	7
Built-in baths: .....	8
<b>Toilets</b> .....	9
Considerations: .....	11
<b>Bowls and Basins</b> .....	12
<b>Taps and Mixers</b> .....	13
<b>Shower Valves</b> .....	14
Types of Shower Valves:.....	14
Choosing exposed or concealed shower valve: .....	14
Exposed shower: .....	14
Concealed shower: .....	14
Manual or Thermostatic, Mono or Dual control?.....	14
Thermostatic shower control: .....	15
Mono shower control: .....	15
Dual control: .....	15
Shower diverter: .....	15
Controlled outlets:.....	15
Water Pressures:.....	16
Balanced pressures:.....	16
Connections to showers: .....	16
Mains fed showers:.....	16
Gravity fed showers:.....	16
Installation: .....	16
Shower Arms and Roses:.....	18
<b>Shower Trays</b> .....	19
<b>Wet Rooms</b> .....	20
<b>Shower Enclosures / Panels</b> .....	21
<b>Heated Towel Rails</b> .....	22
Heat Sources:.....	22
Fixing Kits:.....	22
Heat Outputs: .....	22
<b>Cast iron radiators</b> .....	23
Cast iron radiators: .....	23
Water system:.....	23
Fixing kit:.....	23
Heat output: .....	23
<b>Product suitability and technical specification charts</b> .....	24

# Bathroom Technical Guide

---

The purpose of this booklet is to provide guidance on the selection of Fired Earth bathroom products. The installation of a new bathroom is a big decision and great care should be taken at the design, planning and installation stages.

For help and assistance with the design of your bathroom; please speak to your local store about our home design services available in our UK, Ireland and Jersey stores.

## **Important Notes:**

**The advice given in this guide, including suitability, appearance, application etc. is all given on the basis that the products are correctly installed by a qualified plumber. All installation instructions supplied with the products should be followed. In the unlikely event that the installation instructions have been omitted from the product, please contact our Technical department on 01295 814271 so we can ensure you have the correct information before installation commences.**

**We strongly advise you to arrange delivery at least 10 working days in advance of any installation work to allow sufficient time to check your order and to allow any natural materials to acclimatise; or to rectify any incorrect, delayed, damaged or postponed deliveries (for whatever reason). This will allow sufficient time to postpone your installation if necessary; we cannot accept responsibility for lost working time in any eventuality.**

**Once received, please check all goods within 10 working days. We reserve the right to refuse claims for damaged or missing goods made after this time unless a longer period of time has been previously agreed in writing.**

# Design and Planning

---

There are some basic rules to consider when designing a bathroom; here are some helpful pointers to assist you with the layout.

## Waste pipes:

All waste from the bath, toilet, basin and shower will need to connect into the soil stack. This is a large diameter pipe that is usually located on an external wall. As there is no easy solution to moving the soil pipe (the location will have been planned when the house was built and have been sited in the most appropriate position at that time to meet the needs of all rooms); if you wish to change the layout of your bathroom we recommend that you get advice from a qualified plumber. An experienced plumber will be able to advise you whether the soil pipe can be re-sited or the pipe-work re-routed either concealed by boxing or beneath the floor.

## Water systems:

It is important to identify what type of water system you have in your home. There are a number of different water systems and it is important you choose a range of products that are compatible and most suited to your water system and water pressure. Your plumber should be able to assist in identifying the type of system you have and the water pressure available to you. You may, depending on the water system, be able to improve the water pressure by the installation of a pump, again your plumber should be able to advise you. A selection of water pumps are available to purchase through Fired Earth. Please speak to a member of the sales team for more information.

## Water storage/supply:

Consider carefully whether you have sufficient water capacity for the products you are interested in. For instance a large rose combined with good water pressure or a pumped system will drain your water reserves quickly and you may need to consider increasing the size of your water tank to compensate.

## Load bearing:

A bath filled with water weighs a great deal. It is imperative that the floor is capable of supporting the weight of the bath filled with water. If you plan to purchase a heavier bath than previously installed, please consult a qualified professional prior to installation to ensure the floor can take the additional load. For further information, please refer to the Baths section of this booklet.

## Positioning:

Thought should be given to the positioning of the items in the room; especially in small bathrooms where thought needs to be given to leg room when using the toilet or bidet, the swing of the door into the bathroom as well as the door on showers and cupboards etc.

## Storage:

A beautiful bathroom can look cluttered if no arrangements have been made for storing toiletries and cleaning products. Often some wasted space can be utilised with careful planning. Concealed cupboards can be installed in otherwise un-used areas like under the bath or below the basin.

## Ordering:

Allow sufficient time for the ordering and delivery of your chosen products. Some handmade and/or special order items have a lead time and you may well need to purchase well in advance to ensure you can have the products you have chosen. Many products are available from stock, so if your time frame is short, let the store know so they can guide you on availability.

## Rough Parts:

Other than the exposed chrome pipe work (riser) for showers which can be ordered through Fired Earth; it is common practice for the plumber to supply all other rough parts and pipe work but it is worth checking to ensure your fitter has included these parts within his estimate for works.

We recommend servicing or isolation valves are installed on all pipework to enable easy future servicing and maintenance of all taps, inlet valves and shower valves. It is good practice to have your bathroom brassware serviced regularly to ensure any build-up of limescale is minimized and all perishable seals are replaced when worn.

## Delivery:

Ensure that adequate access is available for the products to be delivered. If you are considering installing a bespoke marble shower tray or cast iron bath you should be aware that these items are very heavy and require several strong people to carry them. This can be difficult if the item is required on the second floor of a property with a narrow winding staircase.

We would advise that you inspect your products upon delivery as Fired Earth can not be held responsible after the 10 day inspection period – as detailed in our Terms and Conditions.

## Fitting Considerations

---

Fitting a bathroom can be complicated and may require up to four different trades: builders, plumbers, electricians and tilers. Therefore, careful preparation is required to fit a bathroom quickly and efficiently.

The steps you need to consider are:

### Building Work:

To prevent damage to bathroom furniture and fittings, building work should be completed prior to fitting bathroom items.

### Layout:

Confirm that the items in the bathroom will fit and that they have reasonable access to the services (i.e. hot and cold water supply and soil and vent pipes).

### Brassware and Water Pressure:

Check the suitability of the water pressure in the house to ensure that it is sufficient for the products you have selected. Your local water authority/plumber can provide details.

Plan the work carefully. Will pipe work within floor voids and duct work need to be installed before the floor or wall is tiled? Will any standpipes need to be plumbed in before the floor is tiled? Will access be required to connect the bath waste?

**Flush through all pipe work before the final connection to the brassware is made. This will prevent debris from within the pipe work entering in to the internal workings of the tap or valve and causing damage. This is particularly prudent if you are planning to install a water softener as part of the bathroom refit.**

# Baths

---

In general baths can be described as either 'freestanding' or 'built in'. The baths in our range are made from one of the following materials:

enamelled cast iron  
reinforced acrylic  
resin and ground stone  
copper  
enamelled steel  
cian

## Considerations:

Cast iron baths are very traditional, very heavy, have good sound insulation and retain heat well. Used in the manufacture of both freestanding and built in baths, the internal enamel finish may look slightly dimpled and there may be small black flecks in the enamel. The outsides of the baths are not enamelled but are available in differing finishes depending on the bath chosen.

Exterior cast iron finishes include,

- Raw exterior – With only a basic rust inhibiting finish applied the natural rough exterior of the cast iron shows through.
- Primed exterior – The exterior of the bath is filled and primed, ready for painting.
- Painted exterior – The exterior of the bath is filled, primed and painted to a factory finish.
- Polished and lacquered – The exterior of the bath is ground and polished to a shine. A lacquer is then applied, leaving a natural cast iron finish. Please note there will be a variable amount of pitting, creating a uniquely beautiful bath. If a completely smooth exterior is required then please specify a painted exterior.

Reinforced acrylic baths are lightweight but strong. Reinforced acrylic is used in the manufacture of built in baths, the exterior of which are hidden by the panelling in of the bath.

Resin and ground stone baths offer the traditional look of cast iron without the weight. Resin and ground stone will provide a hard, durable finish, with the external surface being suitable for painting.

Copper baths are lightweight and very durable. Constructed with a copper core, the interior of the bath is sealed with tin, while the exterior is available in a finish of either gold or silver leaf.

Enamelled steel baths are lighter than cast iron, very strong and hard wearing. Enamelled steel is used in the manufacture of built in baths, the exterior of which are hidden by the panelling in of the bath.

Cian baths are manufactured from a blend of acrylic polyester resin and mineral fillers. They offer a traditional look with a hard wearing surface.

Please refer to our main brochure for more information on the specific finish of your chosen bath.

## Freestanding baths:

Bath taps or mixers can either be deck mounted (with chrome pipe shrouds to cover the supply pipes), freestanding on standpipes or wall mounted. This will be determined by the layout of your bathroom, the style of bath and the range of tap you have selected

The freestanding baths within the Fired Earth range are (depending on the bath chosen) configured in one of the following ways:

- Bath supported on legs with room below for the trap and waste pipe to be installed either above or below the floor.
- Bath sits directly on the floor, with the base of the bath having a double skin; allowing room within the double skin for the trap to connect to the waste pipe under the floor.
- Bath sits directly on the floor, with the trap and waste pipe in the floor. It may be necessary to gain access from below to install the waste and trap with this type of bath or alternatively the bath can be raised off of the floor on a plinth.

Waste fittings are available to suit each style of bath, please speak to a member of the showroom staff or refer to the suitability chart at the end of this guide.

#### Built-in baths:

These baths are designed to be 'built-in' within a panel, meaning that the pipe work and waste fittings below the bath are not seen.

Bath taps or mixers can either be deck mounted, freestanding on standpipes, wall mounted or a waste filler can be used. This will be determined by the layout of your bathroom, the style of bath and the range of tap you have selected.

The built-in baths within the Fired Earth range are (depending on the bath chosen) configured in one of the following ways:

- Bath supported on adjustable legs with room below for the trap and waste pipe to be installed either above or below the floor.
- Bath supported on a cradle with adjustable legs with room below for the trap and waste pipe to be installed either above or below the floor.

The built-in baths are supplied without any panels thus allowing the bath, once installed, to be panelled in and tiled to suit your design.

#### Bath wastes:

Waste fittings are available to suit each style of bath as detailed below. Please speak to a member of the showroom staff or refer to the suitability chart at the end of this guide.

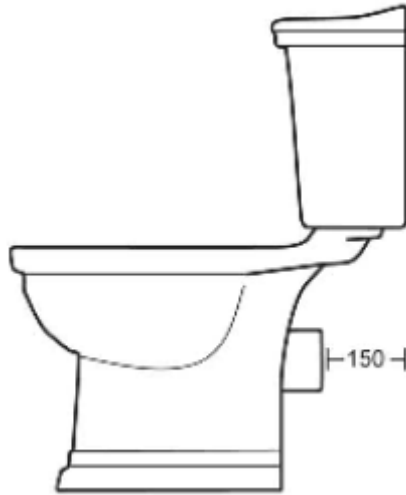
BWASTECP2	Bath waste and overflow for built in bath includes plug and chain.
CLIBATHWASCP	Bath waste and overflow for built in bath includes 'clicker' plug mechanism.
EXPWASTECP2	Bath waste and overflow for freestanding bath includes plug, chain and shallow trap.
CLIEXPBATHWASCP	Bath waste and overflow for freestanding bath includes 'clicker' plug mechanism and shallow trap.
CLIWASTE FILLCP	Bath waste 'clicker' mechanism and bath filler for built in baths.

## Toilets

---

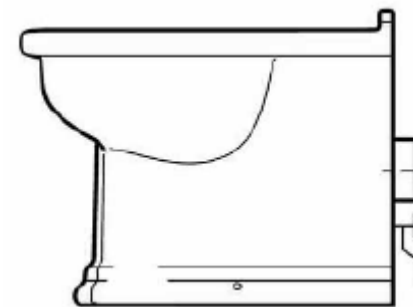
Toilet systems within the Fired Earth range are supplied configured in one of the following ways:

Close coupled: the cistern sits on the back of the toilet pan.

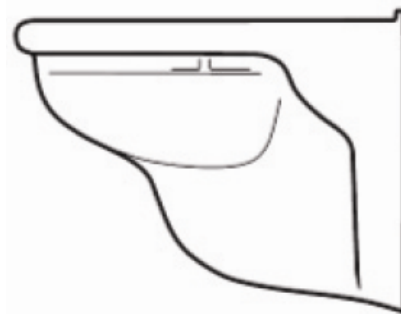


*(please note the dimension above from the waste pipe to the wall may vary dependant on the range, our sales teams can provide information specific to the product you have chosen if required)*

Back to wall: the toilet pan sits on the floor and flush up to a wall or boxing and the cistern is hidden within the wall or boxing behind the pan.



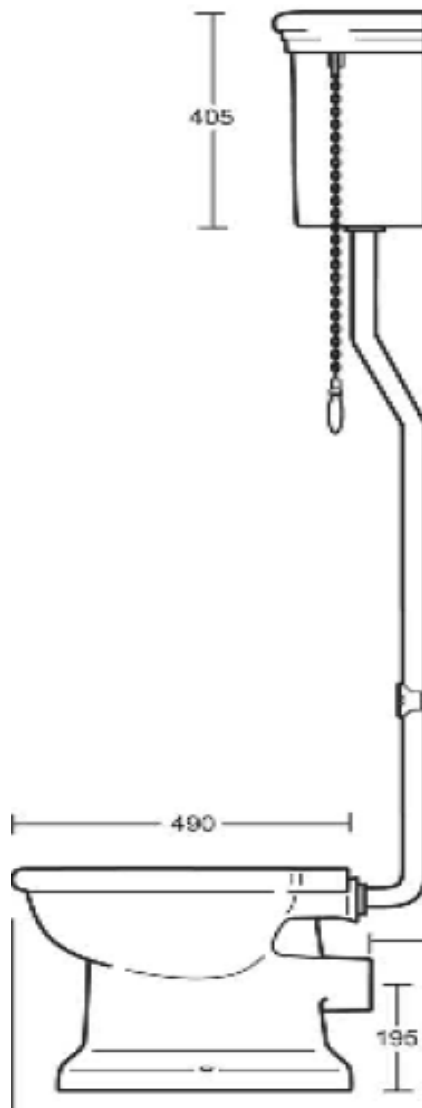
Wall hung: the toilet pan is bolted to a frame within a wall or boxing, with the cistern being hidden within the framework behind the pan.



Low level: the cistern is connected to the toilet pan by a short flush pipe.



High level: the cistern is installed at head height or above and is connected to the toilet pan by a long flush pipe.



## Considerations:

All toilet pans within the Fired Earth range are configured as a 'P' trap horizontal outlet.

The position of the inlet connection to the cistern will vary depending on the chosen range.

If installing a high level cistern ensure there is adequate headroom, with at least 200mm above the cistern to enable installation and maintenance.

Please note, when installing a wall hung or back to wall pan, remember that the frame and/or cistern will need to be housed within the wall or boxing.

Each cistern is supplied complete with inlet valve and flush syphon / flush valve.

Care should be taken during installation to ensure a watertight seal between components and the ceramic cistern.

Particular attention should be made to the setting of the water fill level within the cistern during the commissioning procedure.

**Failure to commission the cistern correctly will result in the cistern flush being inadequate or the cistern overflowing.**

**Pipe work must be thoroughly flushed through prior to connection to the inlet valve on the cistern.**

## Bowls and Basins

---

The basins and bowls within the Fired Earth range are made from natural stone, ceramic or glazed steel. A suitable waste fitting and trap is available for each basin and bowl.

When selecting taps, mixers and fillers consideration should be given to the distance the outlet of the spout protrudes into the basin or bowl and the height the outlet will be positioned above the basin or bowl when installed.

Please refer to the suitability chart at the end of this guide for the number of tap holes in each basin and the brassware that is compatible with each style of basin.

Some basins within the range are supplied without tap holes, however, some of these basins have pre-marked tap holes which can be knocked out by the installer if deck mounted taps are to be installed.

Basins shown as requiring a pedestal or stand are not suitable to be installed without these for support.

**Important Note:** Natural stone bowls and basins should be resealed periodically with MN Stain Stop.

## Taps and Mixers

---

Fired Earth's taps and mixers are manufactured from solid brass and are electro-plated with nickel and chrome for a hard wearing and practical finish. Most use ceramic discs which are more efficient and easier to use than conventional washers.

When selecting taps, mixers and fillers consideration should be given to the distance the outlet of the spout protrudes into the bath or basin and the height the outlet will be positioned above the bath or basin when installed. Not all brassware will be suitable for all sanitary ware within the range.

It should be noted that when installing a mixer tap the hot and cold supplies to the tap should be of equal and balanced pressures to provide a satisfactory temperature mix, this is especially important when installing a bath and shower mixer incorporating a hand shower. Your plumber should be able to advise you on how best to achieve this.

It is important to ensure that the water supply connected to your chosen tap has a water pressure within the given range for the tap.

Low water pressure will lead to poor water flow from the tap.

Your installer should be able to advise on the water pressure available within your property.

The operating pressure of each range of tap and its compatibility with the basins, bowls and baths within the Fired Earth range can be found at the end of this guide.

To ensure the brassware installed is kept in good condition, please refer to the care and maintenance information supplied with the product.

**Modern taps contain ceramic disk cartridges, pipe work must be thoroughly flushed through prior to final connection to the taps to avoid damage to the internal parts of the tap.**

# Shower Valves

---

Exposed or concealed, traditional or modern, manual or thermostatic, mono control or dual control, high pressure or low pressure - the Fired Earth range of showers covers most of the options.

## Types of Shower Valves:

There are two ways in which a shower valve can be configured; either exposed or concealed. The significant difference between these is the amount of visible pipe work between the shower valve and the shower head.

In an exposed shower the pipe work between the shower valve and the shower head is visible and fitted to the wall in a vertical line.

A concealed shower means that the pipe work is buried into the wall; the only parts of the fitting seen are the control on the front of the shower valve and the joint where the shower head comes out of the wall. Depending on site conditions it may be possible to fit the shower valve some distance from the shower head using 'rough parts' supplied by the installer.

## Choosing exposed or concealed shower valve:

The decision on whether to choose an exposed or concealed shower valve will need to take in to account both the finish required, the practicality of the installation and the type of water system within the property.

Consideration should be given to the following points when choosing between an exposed and a concealed shower:

### Exposed shower:

- Are you happy to see the extra pipe work on show?
- Is there room within the shower enclosure for the exposed shower valve, shower arm and shower head?

### Concealed shower:

- Is the wall an outside wall?
- Is the wall a solid wall or timber partition?
- Is the wall deep enough to accept the shower valve?

In both instances consideration will also need to be given to the type of water system within the property and the likely water pressure and flow rates available to supply the shower valve.

Your installer should be consulted as to the suitability of the chosen shower for your particular installation.

## Manual or Thermostatic, Mono or Dual control?

Manual shower control - A manually controlled shower relies on the user controlling the amount of hot and cold water entering the shower valve, where it mixes together to provide water at the required temperature from the shower outlet. This type of shower valve is susceptible to any pressure or temperature fluctuation within the water supplies to the shower, meaning that it is difficult for a steady temperature setting to be maintained.

Thermostatic shower control:

A thermostatically controlled shower incorporates an inbuilt thermostatic cartridge within the shower valve which will respond to any pressure or temperature fluctuations within the water supplies to the shower. The result is that the user is provided with a supply of mixed water from the shower head which will maintain the set temperature throughout the time of their shower. The thermostat is factory set to restrict the maximum temperature of the water that can flow through the valve to 43°C; if the water exceeds this temperature the shower valve will cut the water supply to avoid scalding the user. Thermostatically controlled showers are available as either Mono control or Dual control.

Mono shower control:

A sequential mono controlled shower uses one single control lever to both open the flow of water through the shower valve and to control the temperature of the water using a thermostatic cartridge. The flow of water through the valve is pre set and is therefore either on or off. As the control is opened the water flows and with the movement of the control lever the temperature of the water flowing from the shower outlet increases from cold to tepid to hot. The maximum temperature of water is pre set in the factory and controlled by the thermostatic cartridge.

Dual control:

A dual controlled shower uses one control to open and close the flow of water through the shower valve, with a second control to adjust the temperature setting of the water.

The two controls can be incorporated in to one cartridge, usually indicated by a central control with both the flow control and temperature control handles/ levers attached or they can be two separate control handles.

The flow of water through the shower valve is controlled by the on/off valve, with some control over the rate of flow of water from the shower outlet. The temperature of the water flowing from the shower outlet is controlled and maintained by the thermostatic cartridge.

This type of shower valve makes up the vast majority of the shower valves within the Fired Earth range.

Shower diverter:

A shower diverter valve is designed to allow the user to divert the flow of water from one outlet to another. This would typically be to divert the water flow from the main shower head to a hand held shower, body jets or bath filler. It is usually the case that the diverter will only allow water to flow from one outlet at a time.

The diverter may be manufactured as part of the shower valve or it may be an additional item which can be added on to the standard shower valve.

As the title indicates, it is a diverter and not an on/off valve.

Controlled outlets:

The term controlled outlets indicates that the shower valve has more than one outlet from which the water can flow and that each outlet has a separate on/off control. Instead of using a diverter valve to send the flow of water to the one selected outlet, the user can open the valves to allow water to flow from all the attached outlets at once. Provided that the pressure and flow of water is adequate it may be possible for the user to have the main shower head, body jets and hand shower working at the same time.

## Water Pressures:

The majority of shower valves within the Fired Earth range are designed to operate with a water pressure of between 1 to 5 bar. The greater the pressure of the water supplied to the shower valve, the greater will be the performance of the shower.

Likewise, the greater the number of outlets in use at one time the higher the water pressure will be required to maintain the performance at each outlet.

For example, a shower valve supplying water to a shower head, body jets and a hand shower which are open at the same time would require a higher pressure of water supply than one which is supplying water to a shower head only.

The type of water system within the property will influence the water pressure available to supply the shower valve. Advice should be sought from the installer as to the water pressure available within the water system.

## Balanced pressures:

The installation instructions of many of our products will state that a 'Balanced' water supply is required. This refers to the pressure of the hot and cold supplies feeding that product.

The shower valves within the Fired Earth range will require balanced supplies to the valve; this means that the pressure of the hot water should be the same as the pressure of the cold water. This can be achieved by either having both supplies fed to the shower at mains pressure or both supplies gravity fed at a lower pressure.

## Connections to showers:

A shower can be fed by mains pressure, or it can be storage-fed by gravity.

## Mains fed showers:

Mains connection should only be used on thermostatic mixing valves. It is not possible to fit a booster pump to this type of system.

## Gravity fed showers:

The hot and cold supplies need to be of equal pressure. It is likely that the pressure in this type of installation will need to be boosted with a pump to provide the required pressure and to meet the expected performance of the shower.

## Installation:

The installation instructions supplied should be strictly adhered to.

Combination boilers may be unlikely to provide the flow of water required for the 8" or 12" shower heads within the range to function correctly.

Individual isolating valves are recommended to be installed to make the process of service or maintenance of the shower valve easier. Ensure that installation instructions are adhered to.

All valves are fully air and water tested with the maximum temperature being set at the factory prior to despatch.

**The recommended supply pressures for the individual showers within the range are shown at the end of this guide.**

**Pipe work must be thoroughly flushed through prior to installing the shower valve to avoid damage to the internal parts and seals of the shower valve.**

## Service / Maintenance of shower valves.

The frequency of service and maintenance of your Fired Earth shower valve can be affected by the initial installation and quality of the water supply to the shower.

Fired Earth would recommend that the following should be taken into consideration:

- Ensure that all filters are installed as per the installation instructions or that inline filters are installed in to the supply pipe work.
- All pipe work supplies to the shower should be flushed through before final connection to the shower valve.
- In hard water areas, a water softener will reduce the impact of limescale deposits within the shower valve. This can reduce the frequency of servicing requirements. Fired Earth would suggest that you consult your local installer.
- Manufacturers servicing advice and recommendations should be adhered to.

The servicing of your Fired Earth shower valve should be carried out by a competent plumber and should require no more than a couple of hours to keep your shower valve at its optimum working condition.

## Shower Arms and Roses:

Not all roses are supplied with an arm so always check that one is included with your order. Take extra care to ensure the shower arm and rose can be fitted high enough (watch out for low ceilings etc) so that it clears the head of any tall occupants and the shower enclosure door if applicable. As a guide, we would suggest that the shower head is located a minimum of 100mm above head height of the user and slightly above the height of the inward opening door on the Ithaca enclosure. The stated drop of the arm is not adjustable. Large roses consume high volumes of water so ensure that there is a suitable water supply and that the tray (if applicable) and waste will cope with the expected volume of water.

To maintain the operating efficiency of shower heads it is important to prevent limescale build up within the outlet jets.

If the shower head is equipped with easy clean nozzles then rub these with the back of your hand, after using the shower, to dissipate the remaining water and so prevent limescale build up.

On all other shower heads inspect the jets periodically to ensure limescale is not building up. If required, use a small needle or pin to unblock.

**Limescale build up within the jets of the shower head will lead to a failure of the shower head.**

**Pressure will build up and distort the plate.**

All shower heads will drip for a short while after turning off the control valve as the water remaining in the head drains away.

## Shower Trays

---

Fired Earth shower trays are made from materials such as Marble, Stone, Acrylic or Enamelled Steel. If making a plinth for a tray, it must be able to take the weight of the tray and the weight of the user without movement or flexing. If the tray does either of these, stone trays in particular may crack. Make sure the trays are exactly level, so any water drains away correctly and does not pool.

Solid marble trays are extremely heavy and must be lifted carefully to avoid damage to the tray and installers! Natural stone shower trays should be resealed annually with MN Stain Stop, carefully following instructions. Our marble shower trays are made specifically to customer orders from blocks of stone. It is a characteristic of this natural product, that some small degree of veining and filled pitting will be evident. Over time it is also possible that new pits may appear. These may be easily filled with a proprietary stone filling material.

Marble mosaic shower trays are constructed of small pieces of solid marble which are set into an aluminium base. The tray is sealed when delivered and will require resealing with MN Stain Stop between 12 months to 5 years depending on use and maintenance. These trays are very light in comparison to the solid marble; however they require careful handling on site during the installation process to protect them from damage.

Acrylic shower trays are strongly reinforced with fibreglass to prevent flexing and are supplied with adjustable legs for levelling. A plinth is supplied for corner installation as standard. A three sided plinth is available upon request.

Enamelled steel low profile shower trays are hardwearing and sit directly on the floor, providing a low level alternative to the standard shower tray.

Shallow shower trays will not cope with large quantities of water (over 18 litres per minute). This can be overcome with the use of flow restrictors and/or a smaller shower rose may be required.

## Wet Rooms

---

Where a 'wet' room is to be fitted it is imperative that it is done correctly if structural damage from moisture is to be prevented.

In a wet room, both the floor and walls must be fully waterproofed, referred to as 'tanking'. A shower tray or tiled floor with floor waste is then installed and the bathroom completed with tiles throughout. It is important that a sufficient gradient is set into the sub floor prior to tiling to ensure that water drains freely. This can be followed by the optional installation of a freestanding panel, frameless enclosure or shower screen/s. This can be successfully achieved using our Inbuilt Drainage System available in various different sizes. Please ask in store for more details and refer to the Fired Earth Waterproofing Guide.

## Shower Enclosures / Panels

---

Ithaca shower enclosures come with a shower tray which sits directly on the floor or raised on legs and covered with a plinth supplied. A screen and either a left or right hand inward opening door are included.

Eden Frameless enclosures use the least amount of framework necessary, to hold the glass in place. This has the benefit of the enclosure being less intrusive and less overpowering in the general space of the room.

When ordering a Frameless enclosure, it is imperative that careful, accurate measurements are taken as these enclosures are made to measure to special order. The showroom will provide you with a specification sheet that details the information required. Ideally the walls must be vertical and the tray (or floor) level. They should also be at 90° (right angles) to one another. Glass screens can be cut to other angles if required, please speak with the showroom staff for details.

When using surface mounted channels (which are our preferred recommendation) the tiles should be installed prior to taking any measurements. Only when these are confirmed as being correct, should measurements for the enclosure be taken and an order placed as there is minimal tolerance in the framework for measuring inaccuracies. Remember once ordered they cannot be altered. As Fired Earth do not measure enclosures, accurate measurements should be taken by the person fitting the screen.

The Madison sliding shower door and screens are an ideal solution for shower areas within an alcove or where there is limited space for a shower door to open outwards in to the room. The Madison range is available with either a left or right handed door.

Cathedral enclosures are a more conventional framed enclosure, suitable for standard sized shower trays.

If an enclosure is not being used at all, just panels are being used or a cubicle has no door, remember that when showering the water is likely to spray onto the floor, in which case the water must be able to drain back to a secondary waste within the floor.

## Heated Towel Rails

---

All Fired Earth towel rails have a high corrosion resistance being manufactured from either chrome plated high quality brass or stainless steel. Other finishes are available by special order, please ask a member of the sales team for further information.

Traditional style towel rails are supplied complete with connection valves, while a choice of differing stainless steel valves are available for the ladder rails in the Savoy and Connaught ranges.

### Heat Sources:

The towel rails in the Fired Earth range can be supplied as suitable for the following heat sources:

- Hot water (closed system) – connected to the central heating system, the towel rail will be on whenever the normal radiators are on.
- Hot water (open system) – connected to the domestic hot water, the towel rail will be on whenever the hot water is on. This means that when the heating is turned off but the hot water is still on, the towel rail will be warm. For this system to operate efficiently, a pump may be required to circulate the hot water through the towel rail. Water is more 'aggressive' in an open water system. **Please note that the Versailles, Versailles cloakroom and Corbusier towel rails are not suitable for this type of system.**
- Dual Fuel – these are normally fitted to the central heating system and are warm whenever the radiators are on. In warmer months when the heating is switched off, the electric element can be switched on to provide warmth. As standard the cable comes out of the left hand side of the rail; some ranges are available with a right-hand cable as a special order.
- Electric – electric heated towel rails emit less heat than the equivalent water model. They simply wire to an electric element fitted in the towel rail (similar to that of an electric kettle) which heats an anti corrosive liquid already in the towel rail. As standard the cable comes out of the left hand side of the rail; some ranges are available with a right-hand cable as a special order.

### Fixing Kits:

A fixing kit is included with every towel rail.

### Heat Outputs:

The heated towel rails within the Fired Earth range are designed as towel warmers only. The effect of placing towels over the rail to warm will impact on the ability of the rail to heat the room. Consideration should be given to a further source of heat for the room.

## Cast iron radiators

---

Cast iron radiators:

Fired Earth cast iron radiators are hand made using high quality materials. The radiator stands on the floor with a stabilising bracket to prevent the radiator being pulled over.

Water system:

The cast iron radiator is only suitable for connection to a closed water system.

Fixing kit:

A fixing kit is included with every cast iron radiator and consists of two valves, required to control the flow and the return on closed water system and a radiator stay bracket to secure the radiator in position.

Heat output:

The four column cast iron radiator has a heat output of 2356 BTU'S.

## **Product suitability and technical specification charts**

---

These charts are provided as a guide however thought should be given to the positioning of the brassware and sanitaryware at the design stage.

**Bath Tap Technical Specification Chart – page 25 - 26**

**Tap Compatibility Chart for Built-in Baths – page 27 - 28**

**Tap Compatibility Chart for Freestanding Baths - page 29 - 36**

**Freestanding bath dimensions - page 37**

**Freestanding and Built in baths details and suggested waste – page 38**

**Basin, bowl and washstand waste compatibility – page 39 - 41**

**Basin Tap Technical Specification Chart - page 42 - 44**

**Tap Compatibility Chart for Basins, Bowls and washstands – page 45 - 58**

**Shower technical specification chart – page 59**

**Toilet Flush Plates and Concealed Cistern Compatibility – page 60**

Bath Tap Technical Specification Chart	Reach of spout in mm	Min / max hole diameter	Maximum deck thickness in mm	Connection size bsp	Recommended water pressure	Pipe centres in mm	Product code
<b>Avebury</b>							
Bath taps	101	28 – 38	28	¾"	1 – 5 bar	n/a	AVETAPBHX & L
Bath mounted bath & shower mixer	205	27 – 38	30	¾"	1 – 5 bar	179	AVEBSMIX
Wall mounted bath & shower mixer	235	n/a	n/a	¾"	1 – 5 bar	179	AVEWBSMIX
Bath mounted thermostatic mixer	186	27 – 38	30	¾"	1 – 5 bar	179	AVEBSMIXTHERM
Wall mounted thermostatic mixer	214	n/a	n/a	¾"	1 – 5 bar	179	AVEWBSMIXTHERM
<b>Bastide</b>							
Bath mounted bath & shower mixer	206 - 246	28	20	¾"	1 – 5 bar	140 – 220	BASBSMIXX & L
Wall mounted bath & shower mixer	229	n/a	n/a	¾"	1 – 5 bar	158 – 201	BASBSMIXW & L
<b>Berlin</b>							
Wall mounted mono block left lever 144	144	n/a	n/a	½"	3 – 5 bar	n/a	BERWMONOL144
Wall mounted mono block right lever 144	144	n/a	n/a	½"	3 – 5 bar	n/a	BERWMONOR144
Wall mounted mono block left lever 194	194	n/a	n/a	½"	3 – 5 bar	n/a	BERWMONOL194
Wall mounted mono block right lever 194	194	n/a	n/a	½"	3 – 5 bar	n/a	BERWMONOR194
Wall mounted bath shower mixer	198	n/a	n/a	½"	3 – 5 bar	n/a	BERWALLBSMIX
<b>Classic</b>							
Bath taps	100	28 – 45	20	¾"	1 – 5 bar	n/a	CLABTAP2
Bath shower mixer	80 -163	28 – 45	30	¾"	1 – 5 bar	130 – 280	CLAMIX2
Bath shower mixer and fixed riser	80 – 163	28 – 45	30	¾"	1 – 5 bar	130 – 280	CLABSMIX2
<b>Glacier</b>							
Bath taps	170	29	30	¾"	1 – 5 bar	n/a	GLABTAP
Bath & shower mixer	170	29	30	¾"	1 – 5 bar	180	GLAMIX
Bath wall spout and taps	197 & 247	n/a	n/a	22mm comp	1 – 5 bar	n/a	GLAFILL2
<b>Glacier 03</b>							
Bath & shower mixer	126	28 – 38	45	¾"	3 – 5 bar	180	G32HBSMIX
4 hole bath & shower mixer	133	35 – 40	25	½"	3 – 5 bar	80/80/80	G3BSMIX
Floor mounted bath & shower spout	193	82	12	½"	3 – 5 bar	n/a	G3MIXFLOOR
Floor mounted bath spout and valve	174	50	12	¾"	3 – 5 bar	n/a	G3FLOORSPOUT
<b>Greenwich</b>							
Bath taps	104	28	40	¾"	1 – 5 bar	n/a	GREBTAP
Bath & shower mixer	80 – 150	28	25	¾"	1 – 5 bar	133 – 273	GREBSMIX
Bath mixer	80 – 150	28	25	¾"	1 – 5 bar	133 – 273	GREMIX
Wall mounted bath filler	170	n/a	n/a	22mm comp	1 – 5 bar	203	GREFILL
<b>Jazz</b>							
Wall mounted watersheet bath filler*	150	n/a	n/a	½"	3 – 5 bar	n/a	JAZWATERSHEET
Wall mounted bath spout*	220	n/a	n/a	½"	3 – 5 bar	n/a	JAZWBATHSPOUT
Freestanding bath spout*	280	n/a	n/a	½"	3 – 5 bar	n/a	JZFSBATHSPOUT
Bath mounted bath spout and diverter*	220	35	45	n/a	3 – 5 bar	n/a	JAZBSPOUT+DIV
<b>Jura</b>							
Bath & shower mixer	194	28 – 40	20	¾"	1 – 5 bar	180	JURBSMIX

\*Product requires suitable control valve from same product range – refer to brochure

Bath Tap Technical Specification Chart	Reach of spout in mm	Min / max hole diameter	Maximum deck thickness in mm	Connection size bsp	Recommended water pressure	Pipe centres in mm	Product code
<b>Liberty</b>							
3 hole bath & shower mixer	215	32-36	35	½"	3 – 5 bar	110	LIB3HBSMIX+HOSE
Wall mounted bath spout*	200	n/a	n/a	½"	3 – 5 bar	n/a	LIBBATHSPOUT
Floor mounted bath & shower mixer with standpipe	215	n/a	n/a	½"	3 – 5 bar	n/a	LBBSMIXFS
<b>Logic</b>							
Bath Taps	86	34	35	¾"	1 – 5 bar	n/a	LOGBTAPX
Bath & shower mixer	195	30	30	¾"	1 – 5 bar	180	LOGBSMIX
Bath wall spout & taps	177	n/a	n/a	¾"	1 – 5 bar	200	LOGBWALLSP
Exafill bath filler & valves	40	standard overflow	15	½"	1 – 5 bar	n/a	LOGWASTEFILL
<b>Metro</b>							
Bath & shower mixer	220	20 - 40	35	½"	3 – 5 bar	150	MBATHMIX & L
Bath wall spout & taps	155 – 210	n/a	n/a	¾"	3 – 5 bar	n/a	MBWALLSP & L
Exafill bath filler & valves	50	standard overflow	n/a	½"	3 – 5 bar	n/a	MWASTEFILL
Floor mounted bath spout with single lever bath mixer	280	n/a	n/a	½"	3 – 5 bar	n/a	MEBATHSPOUT+MIXER
Floor mounted single lever bath and shower mixer with standpipe	260	n/a	n/a	½"	3 – 5 bar	n/a	MEBSMIXER+SPIPEC
<b>Roma</b>							
Bath mounted bath filler	110	32	40	¾"	1 – 5 bar	180	ROMABATHFILLER
3 hole bath & shower mixer	164	35-50	30	½"	3 – 5 bar	100	ROMA3DECBSMIX
Bath mounted bath & shower mixer with handset	110	32	40	¾"	1 – 5 bar	180	ROMABSMIX+KIT
Wall mounted bath filler with handset	166	n/a	n/a	½"	1 – 5 bar	n/a	ROMAWBFILL+KIT

\*Product requires suitable control valve from same product range – refer to brochure

Tap Compatibility Chart for Built-in baths	Reach of spout in mm	Classic	Logic single ended	Logic double ended	Metro
Bath Weight		139kg	Up to 50kg	Up to 60kg	25kg
<b>Avebury</b>					
Bath taps	101	YES	YES use lever taps	X	YES**
Bath mounted shower mixer	205	YES	YES	X	YES**
Wall mounted shower mixer	235	X	X	YES*	YES*
Bath mounted thermostatic mixer	186	YES	YES	X	YES**
Wall mounted thermostatic mixer	214	X	X	YES*	YES*
<b>Bastide</b>					
Bath mounted shower mixer	206 – 246	YES	YES	X	YES**
Wall mounted shower mixer	229	X	X	YES*	YES*
<b>Berlin</b>					
Wall mounted mono block left lever 144	144	X	X	YES*	YES*
Wall mounted mono block right lever 144	144	X	X	YES*	YES*
Wall mounted mono block left lever 194	194	X	X	YES*	YES*
Wall mounted mono block right lever 194	194	X	X	YES*	YES*
Wall mounted bath shower mixer	198	X	X	YES*	YES*
<b>Classic</b>					
Bath taps	100	YES	YES (unless bath is fitted tight against the wall)	X	YES**
Bath shower mixer	80 – 163	YES	YES	X	YES**
Bath shower mixer with fixed riser	80 – 163	YES	YES	X	YES**
<b>Glacier</b>					
Bath taps	170	YES	YES	X	YES**
Bath shower mixer***	170	YES	YES	X	YES**
Bath wall spout and taps	197 – 247	X	X	YES*	YES*
<b>Glacier 03</b>					
Bath shower mixer***	126	YES	YES	X	YES**
4 hole bath shower mixer	133	X	X	X	YES**
Floor mounted bath and shower spout	193	X	X	X	Yes
Floor mounted bath and shower valve	174	X	X	X	Yes
<b>Greenwich</b>					
Bath taps	104	YES	YES (unless bath is fitted tight against the wall)	X	YES**
Bath and shower mixer	80 – 150	YES	YES	X	YES**
Bath mixer	80 – 150	YES	YES	X	YES**
Wall mounted bath filler	170	X	X	YES*	YES*
<b>Jazz</b>					
Wall mounted watersheet bath filler	150	X	X	YES*	YES*
Wall mounted bath spout	220	X	X	YES*	YES*
Freestanding bath spout	280	X	X	X	X
Bath mounted bath spout and diverter	220	X	X	X	YES**
<b>Jura</b>					
Bath and shower mixer	194	YES	YES	X	YES**

Suitability key:

Yes\* = provided the bath is installed against the wall

Yes\*\* = provided that the tap holes are drilled on site by the installer

\*\*\* = the Glacier, Glacier 03 and Roma bath shower mixer taps are supplied with a wall mounted bracket for the handset, which may be an issue when deck mounting a freestanding bath

Tap Compatibility Chart for Built-in baths	Reach of spout in mm	Classic	Logic single ended	Logic double ended	Metro
Bath Weight		139kg	Up to 50kg	Up to 60kg	25kg
<b>Liberty</b>					
3 hole bath shower mixer	215	X	X	X	YES**
Wall mounted bath spout	200	X	X	YES*	YES*
Floor mounted bath and shower mixer with standpipe	215	X	X	X	X
<b>Logic</b>					
Bath taps	86	YES	YES	X	YES**
Bath and shower mixer	195	YES	YES	X	YES**
Bath wall spout and taps	177	X	X	YES*	YES*
Exafill bath filler and valves	40	X	X	YES 70cm wide only	YES do not fit valves in bath
<b>Metro</b>					
Bath and shower mixer	220	X	X	X	YES**
Bath wall spout and taps	155 – 210	X	X	YES*	YES*
Exafill bath filler	50	X	X	YES	YES
Floor mounted bath spout with single lever bath mixer	280	X	X	X	X
Floor mounted single lever bath and shower mixer with standpipe	260	X	X	X	X
<b>Roma</b>					
Bath mounted bath filler***	110	YES	YES with tap holes	X	YES**
3 hole bath & shower mixer	164	X	X	X	YES**
Bath mounted bath & shower mixer with handset	110	YES	YES with tap holes	X	YES**
Wall mounted bath filler with handset	166	X	YES with no tap holes	YES*	YES**

Suitability key:

Yes\* = provided the bath is installed against the wall

Yes\*\* = provided that the tap holes are drilled on site by the installer

\*\*\* = the Glacier, Glacier 03 and Roma bath shower mixer taps are supplied with a wall mounted bracket for the handset, which may be an issue when deck mounting a freestanding bath

Tap Compatibility Chart for Freestanding Baths	Reach of spout in mm	Le Bain de Bateau	Versailles	Midas	La Rochelle	Flow	Flow Slipper	Jura
Bath Weight		179kg	115kg	45kg	139kg	57kg	55kg	94kg
Avebury								
Bath Taps	101	X	YES	X	YES	YES** deck mount only	YES** deck mount only	X
Bath mounted shower mixer	205	YES with stand pipes	YES	YES with stand pipes	YES	YES** deck mount or with stand pipes	YES** deck mount or with stand pipes	YES with stand pipes
Wall mounted shower mixer	235	YES*	X	YES*	X	YES*	X	YES*
Bath mounted thermostatic mixer	186	YES with stand pipes	YES	YES with stand pipes	YES	YES** deck mount or with stand pipes	YES** deck mount or with stand pipes	YES with stand pipes
Wall mounted thermostatic mixer	214	YES*	X	YES*	X	YES*	X	YES*
Bastide								
Bath mounted shower mixer	206 – 246	X	YES	X	YES	YES** deck mount or with stand pipes	YES** deck mount or with stand pipes	X
Wall mounted shower mixer	229	YES*	X	YES*	X	YES*	X	YES*
Berlin								
Wall mounted mono block left lever 144	144	YES*	X	YES*	X	X	X	YES*
Wall mounted mono block right lever 144	144	YES*	X	YES*	X	X	X	YES*
Wall mounted mono block left lever 194	194	YES*	X	YES*	X	YES*	X	YES*
Wall mounted mono block right lever 194	194	YES*	X	YES*	X	YES*	X	YES*
Wall mounted bath shower mixer	198	YES*	X	YES*	X	YES*	X	YES*
Classic								
Bath taps	100	X	YES	X	YES	YES** deck mount only	YES** deck mount only	X
Bath shower mixer	80 – 163	YES with stand pipes	YES	YES with stand pipes	YES	YES** deck mount only	YES** deck mount only	X
Bath shower mixer with fixed riser	80 – 163	X	X	X	X	X	X	X

**Suitability key:**

Yes\* = provided the bath is installed against the wall

Yes\*\* = provided that the tap holes are drilled on site by the installer

\*\*\* = the Glacier and Glacier 03 bath shower mixer taps are supplied with a wall mounted bracket for the handset, which may be an issue when deck mounting a freestanding bath

Tap Compatibility Chart for Freestanding Baths	Reach of spout in mm	Le Bain de Bateau	Versailles	Midas	La Rochelle	Flow	Flow Slipper	Jura
Bath Weight		179kg	115kg	45kg	139kg	57kg	55kg	94kg
Glacier								
Bath taps	170	X	YES	X	YES	YES** deck mount only	YES** deck mount only	X
Bath shower mixer***	170	YES with stand pipes	YES	YES with stand pipes	YES	YES** deck mount only	YES** deck mount only	YES with stand pipes
Bath wall spout and taps	197 - 247	YES*	X	YES*	X	YES*	X	YES*
Glacier 03								
Bath shower mixer ***	126	X	YES	X	YES	YES**	YES**	X
4 hole bath shower mixer	133	X	X	X	X	X	X	X
Floor mounted bath shower spout	193	YES	X	YES	X	YES	YES	YES
Floor mounted bath shower valve	174	YES	X	YES	X	YES	X	YES
Greenwich								
Bath taps	104	X	YES	X	YES	YES** deck mount only	YES** deck mount only	X
Bath shower mixer	80 – 150	YES with stand pipes	YES	YES with stand pipes	YES	YES** deck mount only	YES** deck mount only	X
Bath mixer	80 – 150	YES with stand pipes	YES	YES with stand pipes	YES	YES** deck mount only	YES** deck mount only	X
Wall mounted bath filler	170	YES	X	YES*	X	YES*	X	YES*
Jazz								
Wall mounted watershed bath filler – needs valve	150	YES*	X	YES*	X	YES*	YES*	YES*
Wall mounted bath spout – needs valve	220	YES*	X	YES*	X	YES*	YES*	YES*
Freestanding bath spout – needs valve	280	YES	X	YES	X	YES	YES	YES
Bath mounted bath spout and diverter – needs valve	220	X	X	X	X	YES**	X	X

Suitability key:

Yes\* = provided the bath is installed against the wall

Yes\*\* = provided that the tap holes are drilled on site by the installer

\*\*\* = the Glacier, Glacier 03 and Roma bath shower mixer taps are supplied with a wall mounted bracket for the handset, which may be an issue when deck mounting a freestanding bath

Tap Compatibility Chart for Freestanding Baths	Reach of spout in mm	Le Bain de Bateau	Versailles	Midas	La Rochelle	Flow	Flow Slipper	Jura
Bath Weight		179kg	115kg	45kg	139kg	57kg	55kg	94kg
<b>Jura</b>								
Bath shower mixer	194	YES with stand pipes	YES	YES with stand pipes	YES	YES** deck mount or with stand pipes	YES** deck mount or with stand pipes	X stand pipes too high
<b>Liberty</b>								
3 hole bath shower mixer	215	X	X	X	X	X	X	X
Wall mounted bath spout	200	YES*	X	YES*	X	YES*	YES*	YES*
Floor mounted bath and shower mixer with standpipe	215	YES	X	YES	X	YES	YES	YES
<b>Logic</b>								
Bath Taps	86	X	X	X	X	YES**	X	X
Bath shower mixer	195	YES with stand pipes	YES	YES with stand pipes	YES	YES** deck mount or with stand pipes	YES** deck mount or with stand pipes	YES with stand pipes cut down
Bath wall spout and taps	177	YES*	X	YES*	X	YES*	X	YES*
Exafill bath filler and valves	40	X	X	X	X	X	X	X
<b>Metro</b>								
Bath shower mixer	220	YES with stand pipes	X	YES with stand pipes	X	YES** deck mount or with stand pipes	YES** deck mount or with stand pipes	X stand pipes too high
Bath wall spout and taps	155 – 210	YES*	X	YES*	X	YES*	X	YES*
Exafill bath filler	50	X	X	X	X	X	X	X
Floor mounted bath spout with single lever bath mixer	280	YES	X	YES	X	YES	YES	YES
Floor mounted single lever bath and shower mixer with standpipe	260	Yes	X	YES	X	YES	YES	YES

**Suitability key:**

Yes\* = provided the bath is installed against the wall

Yes\*\* = provided that the tap holes are drilled on site by the installer

\*\*\* = the Glacier, Glacier 03 and Roma bath shower mixer taps are supplied with a wall mounted bracket for the handset, which may be an issue when deck mounting a freestanding bath

Tap Compatibility Chart for Freestanding Baths	Reach of spout in mm	Le Bain de Bateau	Versailles	Midas	La Rochelle	Flow	Flow Slipper	Jura
Bath Weight		179kg	115kg	45kg	139kg	57kg	55kg	94kg
Roma								
Bath mounted bath filler***	110	X	YES	X	YES	YES**	YES**	X
3 hole bath & shower mixer	164	X	X	X	X	X	X	X
Bath mounted bath & shower mixer with handset	110	X	YES*	X	YES	YES**	YES**	X
Wall mounted bath filler with handset	166	YES*	X	YES*	X	YES*	YES*	YES*

Suitability key:

Yes\* = provided the bath is installed against the wall

Yes\*\* = provided that the tap holes are drilled on site by the installer

\*\*\* = the Glacier, Glacier 03 and Roma bath shower mixer taps are supplied with a wall mounted bracket for the handset, which may be an issue when deck mounting a freestanding bath

Tap Compatibility Chart for Freestanding Baths	Reach of spout in mm	St.Moritz	Dorchester	Panthera	Pod	Geneva	Lucerne	Verbier
Bath Weight		64kg	131kg	134kg	68kg	152kg	215kg	184kg
Avebury								
Bath Taps	101	YES** deck mount only	X	YES	X	X	X	X
Bath mounted shower mixer	205	YES** deck mount or with stand pipes	YES with stand pipes	YES	YES with stand pipes	YES with stand pipes	YES with stand pipes	YES with stand pipes
Wall mounted shower mixer	235	YES*	YES*	X	YES*	YES*	YES*	YES*
Bath mounted thermostatic mixer	186	YES** deck mount or with stand pipes	YES with stand pipes	YES	YES with stand pipes	YES with stand pipes	YES with stand pipes	YES with stand pipes
Wall mounted thermostatic mixer	214	YES*	YES*	X	YES*	YES*	YES*	YES*
Bastide								
Bath mounted shower mixer	206 – 246	YES** deck mount only	YES with stand pipes	YES	YES with stand pipes	YES with stand pipes	X	X
Wall mounted shower mixer	229	YES*	YES*	X	YES*	YES*	YES*	YES*
Berlin								
Wall mounted mono block left lever 144	144	X	YES*	X	YES*	YES*	YES*	YES*
Wall mounted mono block right lever 144	144	X	YES*	X	YES*	YES*	YES*	YES*
Wall mounted mono block left lever 194	194	YES*	YES*	X	YES*	YES*	YES*	YES*
Wall mounted mono block right lever 194	194	YES*	YES*	X	YES*	YES*	YES*	YES*
Wall mounted bath shower mixer	198	YES*	YES*	X	YES*	YES*	YES*	YES*
Classic								
Bath taps	100	YES** deck mount only	X	YES	X	X	X	X
Bath shower mixer	80 – 163	YES** deck mount only	X	YES	X	X	X	X
Bath shower mixer with fixed riser	80 – 163	X	X	YES	X	X	X	X

**Suitability key:**

Yes\* = provided the bath is installed against the wall

Yes\*\* = provided that the tap holes are drilled on site by the installer

\*\*\* = the Glacier and Glacier 03 bath shower mixer taps are supplied with a wall mounted bracket for the handset, which may be an issue when deck mounting a freestanding bath

Tap Compatibility Chart for Freestanding Baths	Reach of spout in mm	St.Moritz	Dorchester	Panthera	Pod	Geneva	Lucerne	Verbier
Bath Weight		64kg	131kg	134kg	68kg	152kg	215kg	184kg
<b>Glacier</b>								
Bath taps	170	YES** deck mount only	X	YES	X	X	X	X
Bath shower mixer***	170	YES** deck mount or with stand pipes	YES with stand pipes	YES	YES with stand pipes	YES with stand pipes	YES with stand pipes	YES with stand pipes
Bath wall spout and taps	197 - 247	YES*	YES*	X	YES*	YES*	YES*	YES*
<b>Glacier 03</b>								
Bath shower mixer ***	126	YES** deck mount only	X	YES	X	X	X	X
4 hole bath shower mixer	133	X	X	X	X	X	X	X
Floor mounted bath shower spout	193	YES	YES	X	YES	YES	YES	YES
Floor mounted bath shower valve	174	YES	YES	X	YES	YES	YES	YES
<b>Greenwich</b>								
Bath taps	104	YES** deck mount only	X	YES	X	X	X	X
Bath shower mixer	80 – 150	YES** deck mount only	Yes with stand pipes	YES	YES with stand pipes	YES with stand pipes	YES with stand pipes	YES with stand pipes
Bath mixer	80 – 150	YES** deck mount only	YES with stand pipes	YES	YES with stand pipes	YES with stand pipes	YES with stand pipes	YES with stand pipes
Wall mounted bath filler	170	YES*	YES*	X	YES*	YES*	YES*	YES*
<b>Jazz</b>								
Wall mounted watersheet bath filler – needs valve	150	YES*	YES*	X	YES*	YES*	YES*	YES*
Wall mounted bath spout – needs valve	220	YES*	YES*	X	YES*	YES*	YES*	YES*
Freestanding bath spout – needs valve	280	YES	YES	X	YES	YES	YES	YES
Bath mounted bath spout and diverter – needs valve	220	YES**	X	X	X	X	X	X

**Suitability key:**

Yes\* = provided the bath is installed against the wall

Yes\*\* = provided that the tap holes are drilled on site by the installer

\*\*\* = the Glacier, Glacier 03 and Roma bath shower mixer taps are supplied with a wall mounted bracket for the handset, which may be an issue when deck mounting a freestanding bath

Tap Compatibility Chart for Freestanding Baths	Reach of spout in mm	St.Moritz	Dorchester	Panthera	Pod	Geneva	Lucerne	Verbier
Bath Weight		64kg	131kg	134kg	68kg	152kg	215kg	184kg
Jura								
Bath shower mixer	194	YES** deck mount or with stand pipes	YES with stand pipes	YES	YES with stand pipes	YES with stand pipes	YES with stand pipes	YES with stand pipes
Liberty								
3 hole bath shower mixer	215	X	X	X	X	X	X	X
Wall mounted bath spout	200	YES*	YES*	X	YES*	YES*	YES*	YES*
Floor mounted bath and shower mixer with standpipe	215	YES	YES	X	YES	YES	YES	YES
Logic								
Bath taps	86	YES**	X	X	X	X	X	X
Bath shower mixer	195	YES** deck mount or with stand pipes	YES with stand pipes	YES	YES with stand pipes	YES with stand pipes	YES with stand pipes	YES with stand pipes
Bath wall spout and taps	177	YES*	YES*	X	YES*	YES*	YES*	YES*
Exafill bath filler and valves	40	X	X	X	X	X	X	X
Metro								
Bath shower mixer	220	YES** deck mount or with stand pipes	YES with stand pipes	X	YES with stand pipes	YES with stand pipes	YES with stand pipes	X
Bath wall spout and taps	155 – 210	YES*	YES*	X	YES*	YES*	YES*	YES*
Exafill bath filler	50	X	X	X	X	X	X	X
Floor mounted bath spout with single lever bath mixer	280	YES	YES	X	YES	YES	YES	YES
Floor mounted single lever bath and shower mixer with standpipe	260	YES	YES	X	YES	YES	YES	YES

Suitability key:

Yes\* = provided the bath is installed against the wall

Yes\*\* = provided that the tap holes are drilled on site by the installer

\*\*\* = the Glacier, Glacier 03 and Roma bath shower mixer taps are supplied with a wall mounted bracket for the handset, which may be an issue when deck mounting a freestanding bath

Tap Compatibility Chart for Freestanding Baths	Reach of spout in mm	St.Moritz	Dorchester	Panthera	Pod	Geneva	Lucerne	Verbier
Bath Weight		64kg	131kg	134kg	68kg	152kg	215kg	184kg
Roma								
Bath mounted bath filler***	110	YES**	X	YES	X	X	X	X
3 hole bath & shower mixer	164	X	X	X	X	X	X	X
Bath mounted bath & shower mixer with handset	110	YES**	YES**	YES	X	X	X	X
Wall mounted bath filler with handset	166	YES*	YES*	X	YES*	YES*	YES*	YES*

Suitability key:

Yes\* = provided the bath is installed against the wall

Yes\*\* = provided that the tap holes are drilled on site by the installer

\*\*\* = the Glacier, Glacier 03 and Roma bath shower mixer taps are supplied with a wall mounted bracket for the handset, which may be an issue when deck mounting a freestanding bath

<u>Freestanding bath dimensions</u>	Maximum height from floor to rim of bath	Minimum height from floor to rim of bath	Width of bath rim at widest point	External width of bath	External length of bath	Approximate thickness of bath walls
Dorchester	580mm	580mm	37mm	750mm	1685mm	25mm
Flow	630mm	630mm	110mm	800mm	1750mm	8mm
Flow Slipper	780mm	562mm	100mm	750mm	1537mm	Minimal 8 – 10mm
Geneva	550mm	550mm	25mm	870mm	1700mm	25mm
Jura (without plinth)	560mm	500mm	900mm	900mm	1890mm	20mm
Jura (with plinth)	640mm	580mm	900mm	900mm	1890mm	20mm
La Rochelle	600mm	600mm	80mm	780mm	1700mm	Minimal 8 – 10mm
Le Bain de Bateau	695mm	610mm	100mm	700mm	1650mm	Minimal 8 – 10mm
Lucerne	500mm	500mm	25mm	900mm	1780mm	25mm
Midas	700mm	625mm	50mm	750mm	1700mm	Minimal 8 – 10mm
Panthera	790mm	596mm	70mm	770mm	1800mm	6mm
Pod	600mm	600mm	24mm	800mm	1500mm	24mm
St Moritz	620mm	620mm	110mm	800mm	1740mm	20mm
Verbier	900mm	640mm	25mm	780mm	1700mm	25mm
Versailles	590mm	590mm	90mm	780mm	1700mm	Minimal 8 – 10mm

<u>Freestanding baths</u>				
	No of tap holes	Material	Weight	Suggested Waste
Dorchester	0	Solid Surface Cian	131kg	With the bath
Flow	0*	Stone & Resin	57kg	EXPWASTECP2 or CLIEXPBATHWASCP
Flow Slipper	0*	Stone & Resin	55kg	EXPWASTECP2 or CLIEXPBATHWASCP
Geneva	0	Resin & Refined Limestone	152kg	With the bath
Jura	0	Solid Cian	94kg	With the bath
La Rochelle	2	Cast Iron	139kg	EXPWASTECP2 or CLIEXPBATHWASCP
Le Bain de Bateau	0	Cast Iron	179kg	BAINWASTE
Lucerne	0	Resin & Refined Limestone	215kg	With the bath
Midas	0	Copper / Tin	50kg	With the bath
Panthera	2	Enameled Cast Iron	134kg	EXPWASTECP2 or CLIEXPBATHWASCP
Pod	0	Rare Volcanic Limestone Resin	68kg	With the bath
St.Moritz	0*	Stone & Resin	64kg	With the bath
Verbier	0	Resin & Refined Limestone	184kg	With the bath
Versailles	2	Cast Iron	115kg	EXPWASTECP2 or CLIEXPBATHWASCP
<u>Built in baths</u>				
	No of tap holes	Material	Weight	Suggested Waste
Classic	2	Cast Iron	139kg	BWASTECP2, GBWASTE or CLIBATHWASCP
Logic single ended	2	Titanium Steel	30kg	BWASTECP2, GBWASTE or CLIBATHWASCP
Logic double ended	0	Titanium Steel	30kg	CLIWASTE FILLCP, or CLIBATHWASCP
Metro	0*	Acrylic	25kg	BWASTECP2, CLIBATHWASCP or CLIWASTE FILLCP

Suitability key:

\*Tap holes can be drilled on site by installer

BAINWASTE  
EXPWASTECP2  
CLIEXPBATHWASCP  
BWASTECP2  
CLIBATHWASCP  
CLIWASTE FILLCP  
GBWASTE

Le Bain de Bateau  
Exposed bath waste  
Exposed bath waste with clicker plug  
Built in bath waste  
Built in bath waste with clicker plug  
Built in bath waste, clicker and filler  
Built in bath waste to be used to match Greenwich taps

Basin, bowl and washstand waste compatibility	Number of tap holes	Overflow	Suggested waste	Suggested exposed trap
Basin - Bowl - Washstand				
Aegina	0	NO	2	BTRAPCP2 OR UTRAP4
Angolo	1	YES	1 or 5	BTRAPCP2 OR UTRAP4
Bambino	1	YES	1 or 5	BTRAPCP2 OR UTRAP4
Bastide washstand 800, 1170 & 1470	3	YES	1 or 5	N/A – trap concealed
Battersea basin and pedestal	2	YES	4	N/A – trap concealed
Battersea basin and pedestal	3	YES	1 or 5	N/A – trap concealed
Battersea cloakroom basin and pedestal	2	YES	4	N/A – trap concealed
Camden basin and pedestal	1	YES	1 or 5	N/A – trap concealed
Camden basin and pedestal	2	YES	4	N/A – trap concealed
Camden cloakroom basin and pedestal	1	YES	1 or 5	N/A – trap concealed
Camden cloakroom basin and pedestal	2	YES	4	N/A – trap concealed
Classic basin and pedestal	2	YES	4	N/A – trap concealed
Classic basin and pedestal	3	YES	1 or 5	N/A – trap concealed
Classic basin and washstand	2	YES	4	N/A – trap concealed
Classic basin and washstand	3	YES	1 or 5	BTRAPCP2 OR UTRAP4
Classic Cloakroom basin and pedestal	2	YES	4	N/A – trap concealed
Classic Cloakroom basin and washstand	2	YES	4	N/A – trap concealed
Cloudsley	0	NO	2	BTRAPCP2 OR UTRAP4
Column basin	0	NO	2	BTRAPCP2 OR UTRAP4
Delphi basin	0	NO	2	BTRAPCP2 OR UTRAP4

**Suitability key:**

\* tap holes can be knocked out/drilled by the installer

**Waste key (Chrome):**

1. Slotted clicker waste (CLIBASWASSCP)
2. Unslotted clicker waste (CLIBASWASUCP)
3. Spin waste unslotted (UDC3)
4. Standard basin waste (BASINWASTECP2)
5. 1 or 3 hole basin mixer that includes a pop up waste
6. Waste included with basin or bowl

Basin, bowl and washstand waste compatibility	Number of tap holes	Overflow	Suggested waste	Suggested exposed trap
Basin - Bowl - Washstand				
Eclipse bowl small	0	NO	6	BTRAPCP2 OR UTRAP4
Eclipse bowl large	0	NO	6	BTRAPCP2 OR UTRAP4
Eclipse bowl large – new style	0	NO	6	BTRAPCP2 OR UTRAP4
Elegance	1	YES	1 or 5	N/A – trap concealed
Elia	0	NO	2	BTRAPCP2 OR UTRAP4
Elia	1	NO	2	BTRAPCP2 OR UTRAP4
Florence 600 & 800	1	YES	1 or 5	BTRAPCP2 OR UTRAP4
Fratello	1	YES	1 or 5	BTRAPCP2 OR UTRAP4
Galaxy 60	0 – 3*	YES	1	BTRAPCP2 OR UTRAP4
Galaxy 100	0 – 7*	YES	1	BTRAPCP2 OR UTRAP4
Geo basins – all sizes	0	YES	6	BTRAPCP2 OR UTRAP4
Glazed steel round – tall	0	NO	2 or 5	BTRAPCP2 OR UTRAP4
Glazed steel round – short	1	NO	2 or 5	BTRAPCP2 OR UTRAP4
Glazed steel square – tall	0	NO	6	BTRAPCP2 OR UTRAP4
Glazed steel square – short	1	NO	2 or 5	BTRAPCP2 OR UTRAP4
Glazed steel rectangle	1	NO	2 or 5	BTRAPCP2 OR UTRAP4
Glazed steel rectangle with towel rail	1	NO	6	BTRAPCP2 OR UTRAP4
Jura washstand 700, 1030 & 1330	1	NO	2 or 3	N/A – trap concealed
Kensington basin and pedestal	3	YES	1 or 5	N/A – trap concealed
Kensington basin and washstand	3	YES	1 or 5	BTRAPCP2 OR UTRAP4

**Suitability key:**

\* tap holes can be knocked out/drilled by the installer

**Waste key (Chrome):**

1. Slotted clicker waste (CLIBASWASSCP)
2. Unslotted clicker waste (CLIBASWASUCP)
3. Spin waste unslotted (UDC3)
4. Standard basin waste (BASINWASTECP2)
5. 1 or 3 hole basin mixer that includes a pop up waste
6. Waste included with basin or bowl

Basin, bowl and washstand waste compatibility	Number of tap holes	Overflow	Suggested waste	Suggested exposed trap
Basin – Bowl - Washstand				
Leros	0	NO	2	BTRAPCP2 OR UTRAP4
Lonsdale	1	YES	1 or 5	BTRAPCP2 OR UTRAP4
Luna bowls	0	NO	2 or 3	BTRAPCP2 OR UTRAP4
Manhattan basin and washstand	2	YES	4	BTRAPCP2 OR UTRAP4
Manhattan cloakroom basin	2	YES	4	BTRAPCP2 OR UTRAP4
Manhattan vanity basin and washstand	3	YES	1 or 5	BTRAPCP2 OR UTRAP4
Milner	1	NO	2	BTRAPCP2 OR UTRAP4
Mythica basin	0	NO	2	BTRAPCP2 OR UTRAP4
Shaker lavastone bowl	0	NO	2 or 3	BTRAPCP2 OR UTRAP4
Shaker washstand 700 & 900	3	YES	6	N/A – trap concealed
Sorella	0	YES	1 or 5	BTRAPCP2 OR UTRAP4
Sorella	1	YES	1 or 5	BTRAPCP2 OR UTRAP4
Stratford basin and pedestal	1	YES	1 or 5	N/A – trap concealed
Tarn bowls	0	NO	2 or 3	BTRAPCP2 OR UTRAP4
Venetian marble bowl	0	NO	2 or 3	BTRAPCP2 OR UTRAP4
Versailles small console	3	YES	1 or 5	BTRAPCP2 OR UTRAP4
Versailles large console	3	YES	1 or 5	BTRAPCP2 OR UTRAP4
Versailles small basin and pedestal	3	YES	1 or 5	N/A – trap concealed
Versailles large basin and pedestal	3	YES	1 or 5	N/A – trap concealed
Wycombe	1	YES	1 or 5	N/A – trap concealed
Xanthos washstand	0	NO	2 or 3	N/A – trap concealed

Suitability key:

\* tap holes can be knocked out/drilled by the installer

Waste key (Chrome):

1. Slotted clicker waste (CLIBASWASSCP)
2. Unslotted clicker waste (CLIBASWASUCP)
3. Spin waste unslotted (UDC3)
4. Standard basin waste (BASINWASTECP2)
5. 1 or 3 hole basin mixer that includes a pop up waste
6. Waste included with basin or bowl

<u>Basin Tap Technical Specification Chart</u>	Reach of tap and spout in mm	Min/Max hole diameter in mm	Max deck thickness in mm	Connection size	Recommended water pressure	Pipe Centres in mm	Product Code
<b>Avebury</b>							
Basin taps	115	28 – 38	52	½" bsp	1 – 5 bar	n/a	AVETAPBSX & L
3 hole basin mixer	141	28 – 32 / 25 – 32	42	½" bsp	1 – 5 bar	250 max	AVE3HBMX & L
Wall mounted vessel filler	163 - 195	n/a	n/a	15mm comp	1 - 5 bar	203	AVEW3HBMX & L
Deck mounted vessel filler	165	28 – 32 / 32 - 35	48	½" bsp	1 – 5 bar	300 max	AVEEXT3HBMX & L
<b>Bastide</b>							
Single lever tap	110	50 max	30	15mm tails	1 – 5 bar	n/a	BASMONO
3 hole basin deck mixer	143	32 – 40	40	½" bsp	1 – 5 bar	300 max	BAS3HBMX & L
3 hole basin wall mixer	180	n/a	n/a	22mm comp	1 – 5 bar	200mm	BASW3HBMX & L
<b>Berlin</b>							
Single lever mixer*	119	35	45	½" / 3/8" bsp	3 – 5 bar	n/a	BERMONO
Single lever mixer ext 100*	119	35	45	½" / 3/8" bsp	3 – 5 bar	n/a	BERMONO & BERMONOEXT100
Single lever mixer ext 160*	119	35	45	½" / 3/8" bsp	3 – 5 bar	n/a	BERMONO & BERMONOEXT160
3 hole deck mounted basin mixer *	119	30 – 35	40	½" / 3/8" bsp	3 – 5 bar	100 max	BER3HBM
Wall mounted mono block left lever 144	144	n/a	n/a	½" bsp	3 – 5 bar	n/a	BERWMONOL144
Wall mounted mono block right lever 144	144	n/a	n/a	½" bsp	3 – 5 bar	n/a	BERWMONOR144
Wall mounted mono block left lever 194	194	n/a	n/a	½" bsp	3 – 5 bar	n/a	BERWMONOL194
Wall mounted mono block right lever 194	194	n/a	n/a	½" bsp	3 – 5 bar	n/a	BERWMONOR194
<b>Classic</b>							
Basin taps	80	20 – 38	25	½" bsp	1 – 5 bar	n/a	CLATAP
3 hole basin mixer	116	30	40	½" bsp	1 – 5 bar	300 max	CLA3HBM
Basin Monobloc mixer	125	50	30	15mm tails	1 – 5 bar	n/a	CLAMONO
<b>Glacier</b>							
Basin taps	102	22	30	½" bsp	1 – 5 bar	n/a	GLATAP
Bath taps	170	29	30	¾" bsp	1 – 5 bar	n/a	GLABTAP
Single lever basin mixer	115	34	45	15mm comp	1 – 5 bar	n/a	GLAMONO
Single lever basin mixer – ext	115	34	45	15mm comp	1 – 5 bar	n/a	GLAMONOEXT
3 hole basin mixer	115	29	45	½" bsp	1 – 5 bar	300 max	GLA3HBM
Basin wall spout and taps	180	n/a	n/a	22mm comp	1 – 5 bar	n/a	GLAWALLSP2
Bath wall spout and taps	197 – 247	n/a	n/a	22mm comp	1 – 5 bar	n/a	GLAFILL2

**Suitability key:**

\* Does not include pop up waste

Min/max hole size: If the valve hole is a different size to the spout hole the valve hole size is quoted first. (Avebury, Glacier 03 & Logic)  
Check the reach of the spout into the bowl or basin. All measurements are available in the product information pack.

Basin Tap Technical Specification Chart	Reach of tap and spout in mm	Min/Max hole diameter in mm	Max deck thickness in mm	Connection size	Recommended water pressure	Pipe Centres in mm	Product Code
<b>Glacier 03</b>							
3 hole basin mixer	96	30 – 35 / 35 - 40	40	½" / 3/8" bsp	3 – 5 bar	200 max	G3HBM
Single lever basin spout	160	35 & 48	25	½" bsp	3 – 5 bar	300 max	GEMONO
Single lever basin mixer – ext	127	35	45	3/8" bsp	3 – 5 bar	n/a	GELTAPEXT
<b>Greenwich</b>							
Basin taps	90	20 – 28	30	½" bsp	1 – 5 bar	n/a	GRETAP
3 hole basin mixer	112	29	45	½" bsp	1 – 5 bar	300 max	GRESHBM
Wall mounted bath mixer	170	n/a	n/a	¾" bsp	1 – 5 bar	203	GREFILL
<b>Jazz</b>							
Single Lever Basin Mixer 200*	200	35	60	10mm tails	3 – 5 bar	n/a	JAZMONO200
Single Lever Basin Mixer 165*	165	35	60	10mm tails	3 – 5 bar	n/a	JAZMONO165
3 hole basin mixer 200*	200	35	35	10mm tails	3 – 5 bar	200 max	JAZ3HBM200
3 hole basin mixer 200 with waste	200	35	35	10mm tails	3 – 5 bar	200 max	JAZ3HBM200+WASTE
3 hole basin mixer 165*	165	35	35	10mm tails	3 – 5 bar	200 max	JAZ3HBM165
3 hole basin mixer 165 with waste	165	35	35	10mm tails	3 – 5 bar	200 max	JAZ3HBM165+WASTE
Wall mounted 3 hole basin mixer 170	170	n/a	n/a	½" bsp	3 – 5 bar	n/a	JZW3HBM170
Wall mounted single lever basin mixer 170	170	n/a	n/a	½" bsp	3 – 5 bar	n/a	JZWMONO170
Wall mounted single lever mixer 240	170	n/a	n/a	½" bsp	3 – 5 bar	n/a	JZWMONO240
<b>Jura</b>							
Short Single lever basin mixer *	123	35	20	15mm tail	1 – 5 bar	n/a	JURBASINMIX
Tall Single lever basin mixer*	123	35	20	15mm tail	1 – 5 bar	n/a	JURTALLBASINMIX
Wall mounted basin filler	135	n/a	n/a	22mm comp	1 – 5 bar	200	JURWALLBASINFILL
<b>Liberty</b>							
Single Lever Basin Mixer 125*	125	35	65	10mm tails	3 – 5 bar	n/a	LIBMONO125
Single Lever Basin Mixer 155*	155	35	65	10mm tails	3 – 5 bar	n/a	LIBMONO155
Extended Single Lever Basin Mixer*	215	35	65	10mm tails	3 – 5 bar	n/a	LIBMONOEXT215
Wall mounted single lever basin mixer	200	n/a	n/a	½" bsp	3 – 5 bar	n/a	LBWMONO200
<b>Logic</b>							
Single lever basin mixer	198	34 – 40	45	½" bsp	1 – 5 bar	n/a	LOGMONO
Basin mono mixer cross head	200	34 – 40	40	½" bsp	1 – 5 bar	n/a	LOGOMONOX
3 hole basin mixer	132	30 & 35	35	15mm comp	1 – 5 bar	200 max	LOG3HBM
Basin wall spout and taps	170	n/a	n/a	½" bsp	1 – 5 bar	200	LOGWALLSP

Suitability key:

\* Does not include pop up waste

Min/max hole size: If the valve hole is a different size to the spout hole the valve hole size is quoted first. (Avebury, Glacier 03 & Logic)  
Check the reach of the spout into the bowl or basin. All measurements are available in the product information pack.

<u>Basin Tap Technical Specification Chart</u>	Reach of tap and spout in mm	Min/Max hole diameter in mm	Max deck thickness in mm	Connection size	Recommended water pressure	Pipe Centres in mm	Product Code
Metro							
Mini Metro single lever	170	35 max	35	10mm tail	3 – 5 bar	n/a	MTAPLMINI
Basin taps	90	20	30	½" bsp	3 – 5 bar	n/a	MTAP
Single lever basin mixer	172	35 max	35	10mm tail	3 – 5 bar	n/a	MTAPL
Single lever basin mixer – ext	200	35 max	50	10mm tail	3 – 5 bar	n/a	MTAPEXTL
3 hole basin mixer	165	25	35	10mm tail	3 – 5 bar	200	MXMIXER / MLMIXER
Basin bridge mixer	165	20 – 35	35	½" bsp	3 – 5 bar	200	MBRIDGE & L
Basin wall spout and taps	190	n/a	n/a	½" bsp	3 – 5 bar	n/a	MWALLSPX & L
Basin mixer	165	40 max	35	10mm tail	3 – 5 bar	n/a	MTAPX
Roma							
Single lever basin mixer*	130	32	50	½" bsp	1 – 5 bar	n/a	ROMAMONO
Tall single lever basin mixer*	130	32	50	½" bsp	1 – 5 bar	n/a	ROMAMONOEXT

Suitability key:

\* Does not include pop up waste

Min/max hole size: If the valve hole is a different size to the spout hole the valve hole size is quoted first. (Avebury, Glacier 03 & Logic)  
Check the reach of the spout into the bowl or basin. All measurements are available in the product information pack.

<u>Tap Compatibility with Basins, Bowls and Washstands</u>	Luna basin	Venetian Marble	Tarn bowl	Geo square	Geo rectangle	Geo round	Galaxy 60	Galaxy 100	Eclipse large	Eclipse small
<b>Avebury</b>										
Basin taps	X	X	X	X	X	X	X	X	X	X
3 hole basin mixer	X	X	X	X	X	X	YES#	YES#	X	X
Wall mounted vessel filler	YES	YES	YES	YES	YES	YES	YES#	YES#	YES	YES
Deck mounted vessel filler	YES	YES	YES	YES	YES	YES	YES#	YES#	YES	YES
<b>Bastide</b>										
Single lever tap	X	X	X	X	X	X	YES#	YES#	X	X
3 hole basin deck mixer	X	X	X	X	X	X	YES#	YES#	X	X
3 hole basin wall mixer	YES	YES	YES	YES	YES	YES	X	X	YES	YES
<b>Berlin</b>										
Single lever mixer	X	X	X	X	X	X	X	X	X	X
Single lever mixer ext 100	X	X	X	X	X	X	X	X	X	X
Single lever mixer ext 160	YES	YES	YES	YES	YES	YES	X	X	YES	YES
3 hole deck mounted basin mixer	X	X	X	X	X	X	X	X	X	X
Wall mounted mono block left lever 144	YES	YES	YES	YES	YES	YES	X	X	YES	YES
Wall mounted mono block right lever 144	YES	YES	YES	YES	YES	YES	X	X	YES	YES
Wall mounted mono block left lever 194	YES	YES	YES	YES	YES	YES	YES#	YES#	YES	YES
Wall mounted mono block right lever 194	YES	YES	YES	YES	YES	YES	YES#	YES#	YES	YES
<b>Classic</b>										
Basin taps	X	X	X	X	X	X	X	X	X	X
3 hole basin mixer	X	X	X	X	X	X	YES#	YES#	X	X
Basin Monobloc mixer	X	X	X	X	X	X	YES#	YES#	X	X
<b>Glacier</b>										
Basin taps	X	X	X	X	X	X	X	X	X	X
Bath taps	X	X	X	X	X	X	YES	YES	X	X
Single lever basin mixer	X	X	X	X	X	X	YES#	YES#	X	X
Single lever basin mixer – ext	X	X	X	X	X	X	X	X	X	X
3 hole basin mixer	X	X	X	X	X	X	YES#	YES#	X	X
Basin wall spout and taps	YES	YES	YES	YES	YES	YES	X	X	YES	YES
Bath wall spout and taps	X	X	X	X	X	X	YES	YES	X	X
<b>Glacier 03</b>										
3 hole basin mixer	X	X	X	X	X	X	X	X	X	X
Single lever basin spout	YES##	YES##	YES##	YES##	YES##	YES##	X	X	YES##	YES##
Single lever basin mixer – ext	X	X	X	X	X	X	X	X	X	X
<b>Greenwich</b>										
Basin taps	X	X	X	X	X	X	X	X	X	X
3 hole basin mixer	X	X	X	X	X	X	YES#	YES#	X	X
Wall mounted bath mixer	YES	YES	YES	YES	YES	YES	X	X	YES	YES

Suitability key:

# Tap will fit, however the reach of the spout into the bowl is less than 100mm

## The outlet from the spout will be 400mm above the base of the bowl which may cause light splashing outside the basin

<u>Tap Compatibility with Basins, Bowls and Washstands</u>	Luna basin	Venetian Marble	Tarn bowl	Geo square	Geo rectangle	Geo round	Galaxy 60	Galaxy 100	Eclipse large	Eclipse small
<b>Jazz</b>										
Single Lever Basin Mixer 200	X	X	X	X	X	X	YES	YES	X	X
Single Lever Basin Mixer 165	X	X	X	X	X	X	YES#	YES#	X	X
3 hole basin mixer 200	X	X	X	X	X	X	YES	YES	X	X
3 hole basin mixer 200 with waste	X	X	X	X	X	X	X	X	X	X
3 hole basin mixer 165	X	X	X	X	X	X	YES#	YES#	X	X
3 hole basin mixer 165 with waste	X	X	X	X	X	X	X	X	X	X
Wall mounted 3 hole basin mixer 170	YES	YES	YES	YES	YES	YES	X	X	YES	YES
Wall mounted single lever basin mixer 170	YES	YES	YES	YES	YES	YES	X	X	YES	YES
Wall mounted single lever mixer 240	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
<b>Jura</b>										
Short single lever basin mixer	X	X	X	X	X	X	X	X	X	X
Tall single lever basin mixer	YES	YES	X	YES	YES	YES	X	X	X	YES
Wall mounted basin filler	YES	YES	YES	YES	YES	YES	X	X	YES	YES
<b>Liberty</b>										
Single Lever Basin Mixer 125	X	X	X	X	X	X	X	X	X	X
Single Lever Basin Mixer 155	X	X	X	X	X	X	YES#	YES#	X	X
Extended Single Lever Basin Mixer	YES	YES	X	YES	YES	YES	X	X	YES	YES
Wall mounted single lever basin mixer	YES	YES	YES	YES	YES	YES	YES#	YES#	YES	YES
<b>Logic</b>										
Single lever basin mixer	X	X	X	X	X	X	X	X	X	X
Basin mono mixer cross head	X	X	X	X	X	X	X	X	X	X
3 hole basin mixer	X	X	X	X	X	X	X	X	X	X
Basin wall spout and taps	YES	YES	YES	YES	YES	YES	YES#	YES#	YES	YES
<b>Metro</b>										
Mini Metro	YES	YES	X	YES	YES	YES	X	X	X	X
Basin taps	X	X	X	X	X	X	X	X	X	X
Single lever basin mixer	X	X	X	X	X	X	X	X	X	X
Single lever basin mixer – ext	X	X	X	X	X	X	X	X	X	X
3 hole basin mixer	X	X	X	X	X	X	X	X	X	X
Basin bridge mixer	X	X	X	X	X	X	YES	YES	X	X
Basin wall spout and taps	YES	YES	YES	YES	YES	YES	YES#	YES#	YES	YES
Basin mixer	X	X	X	X	X	X	YES	YES	X	X
<b>Roma</b>										
Single lever basin mixer	X	X	X	X	X	X	YES#	YES#	X	X
Tall single lever basin mixer	YES	YES	YES	YES	YES	YES	X	X	YES	YES

Suitability key:

# Tap will fit, however the reach of the spout into the bowl is less than 100mm

<u>Tap Compatibility with Basins, Bowls and Washstands</u>	Corinthian stone bowl	Delphi basin	Gaia basin	Mythica basin	Column basin	Lonsdale double	Lonsdale Rectangle	Lonsdale Square	Cloudsley Small	Cloudsley Medium	Cloudsley Large
<b>Avebury</b>											
Basin taps	X	X	X	X	X	X	X	X	X	X	X
3 hole basin mixer	X	X	X	X	X	X	X	X	X	X	X
Wall mounted vessel filler	YES	YES	YES	YES	YES	X	X	X	YES	YES	YES
Deck mounted vessel filler	YES	X	X	X	X	X	X	X	X	X	X
<b>Bastide</b>											
Single lever tap	X	X	X	X	X	X	X	X	X	X	X
3 hole basin deck mixer	X	X	X	X	X	X	X	X	X	X	X
3 hole basin wall mixer	YES	YES	YES	YES	YES	X	X	X	YES	YES	YES
<b>Berlin</b>											
Single lever mixer	X	X	X	X	X	YES	YES	YES	X	X	X
Single lever mixer ext 100	X	X	X	X	X	YES	YES	YES	YES	YES	YES
Single lever mixer ext 160	YES	X	X	X	X	X	X	X	YES	YES	YES
3 hole deck mounted basin mixer	X	X	X	X	X	X	X	X	X	X	X
Wall mounted mono block left lever 144	YES	YES	YES	YES	YES	X	X	X	YES	YES	YES
Wall mounted mono block right lever 144	YES	YES	YES	YES	YES	X	X	X	YES	YES	YES
Wall mounted mono block left lever 194	YES	YES	YES	YES	YES	X	X	X	YES	YES	YES
Wall mounted mono block right lever 194	YES	YES	YES	YES	YES	X	X	X	YES	YES	YES
<b>Classic</b>											
Basin taps	X	X	X	X	X	X	X	X	X	X	X
3 hole basin mixer	X	X	X	X	X	X	X	X	X	X	X
Basin Monobloc mixer	X	X	X	X	X	YES	YES	YES	X	X	X
<b>Glacier</b>											
Basin taps	X	X	X	X	X	X	X	X	X	X	X
Bath taps	X	X	X	X	X	X	X	X	X	X	X
Single lever basin mixer	X	X	X	X	X	X	X	X	X	X	X
Single lever basin mixer – ext	X	X	X	X	X	X	X	X	X	X	X
3 hole basin mixer	X	X	X	X	X	X	X	X	X	X	X
Basin wall spout and taps	YES	YES	YES	YES	YES	X	X	X	YES	YES	YES
Bath wall spout and taps	X	X	X	X	X	X	X	X	YES	YES	YES
<b>Glacier 03</b>											
3 hole basin mixer	X	X	X	X	X	X	X	X	X	X	X
Single lever basin spout	YES##	X	X	X	X	X	X	X	X	X	X
Single lever basin mixer – ext	X	X	X	X	X	X	X	X	X	X	X
<b>Greenwich</b>											
Basin taps	X	X	X	X	X	X	X	X	X	X	X
3 hole basin mixer	X	X	X	X	X	X	X	X	X	X	X
Wall mounted bath mixer	YES	YES	YES	YES	YES	X	X	X	YES	YES	YES

Suitability key:

## The outlet from the spout will be 400mm above the base of the bowl which may cause light splashing outside the basin

<u>Tap Compatibility with Basins, Bowls and Washstands</u>	Corinthian stone bowl	Delphi basin	Gaia basin	Mythica basin	Column basin	Lonsdale double	Lonsdale Rectangle	Lonsdale Square	Cloudsley Small	Cloudsley Medium	Cloudsley Large
<b>Jazz</b>											
Single Lever Basin Mixer 200	X	X	X	X	X	YES	YES	YES	YES	YES	YES
Single Lever Basin Mixer 165	X	X	X	X	X	YES	YES	YES	X	X	X
3 hole basin mixer 200	X	X	X	X	X	X	X	X	X	X	X
3 hole basin mixer 200 with waste	X	X	X	X	X	X	X	X	X	X	X
3 hole basin mixer 165	X	X	X	X	X	X	X	X	X	X	X
3 hole basin mixer 165 with waste	X	X	X	X	X	X	X	X	X	X	X
Wall mounted 3 hole basin mixer 170	YES	YES	YES	YES	YES	X	X	X	YES	YES	YES
Wall mounted single lever basin mixer 170	YES	YES	YES	YES	YES	X	X	X	YES	YES	YES
Wall mounted single lever mixer 240	YES	YES	YES	YES	YES	X	X	X	YES	YES	YES
<b>Jura</b>											
Short single lever basin mixer	X	X	X	X	X	YES	YES	YES	X	X	X
Tall single lever basin mixer	YES	X	X	X	X	YES	YES	YES	X	X	X
Wall mounted basin filler	YES	YES	YES	YES	YES	X	X	X	YES	YES	YES
<b>Liberty</b>											
Single Lever Basin Mixer 125	X	X	X	X	X	YES	YES	YES	X	X	X
Single Lever Basin Mixer 155	X	X	X	X	X	YES	YES	YES	X	X	X
Extended Single Lever Basin Mixer	YES	X	X	X	X	YES	YES	YES	YES	YES	YES
Wall mounted single lever basin mixer	YES	YES	YES	YES	YES	X	X	X	YES	YES	YES
<b>Logic</b>											
Single lever basin mixer	X	X	X	X	X	YES	YES	YES	X	X	X
Basin mono mixer cross head	X	X	X	X	X	YES	YES	YES	X	X	X
3 hole basin mixer	X	X	X	X	X	X	X	X	X	X	X
Basin wall spout and taps	YES	YES	YES	YES	YES	X	X	X	YES	YES	YES
<b>Metro</b>											
Mini Metro	X	X	X	X	X	YES	YES	YES	X	X	X
Basin taps	X	X	X	X	X	X	X	X	X	X	X
Single lever basin mixer	X	X	X	X	X	YES	YES	YES	X	X	X
Single lever basin mixer – ext	X	X	X	X	X	X	X	X	X	X	X
3 hole basin mixer	X	X	X	X	X	X	X	X	X	X	X
Basin bridge mixer	X	X	X	X	X	X	X	X	X	X	X
Basin wall spout and taps	YES	YES	YES	YES	YES	X	X	X	YES	YES	YES
Basin mixer	X	X	X	X	X	YES	YES	YES	X	X	X
<b>Roma</b>											
Single lever basin mixer	X	X	X	X	X	YES	YES	YES	X	X	X
Tall single lever basin mixer	YES	X	X	X	X	YES	YES	YES	YES	YES	YES

<u>Tap Compatibility with Basins, Bowls and Washstands</u>	Milner	Glazed Steel Round (Tall)	Glazed Steel Round (Short)	Glazed Steel Square (Tall)	Glazed Steel Square (Short)	Glazed Steel Rectangle (Round bowl)	Glazed Steel Rectangle with towel rail	Florence	Aegina round	Leros basin
<b>Avebury</b>										
Basin taps	X	X	X	X	X	X	X	X	X	X
3 hole basin mixer	X	X	X	X	X	X	X	X	X	X
Wall mounted vessel filler	X	YES	X	YES	X	X	X	X	YES	YES
Deck mounted vessel filler	X	X	X	X	X	X	X	X	X	X
<b>Bastide</b>										
Single lever tap	YES #	X	YES #	X	YES #	YES #	YES #	YES #	X	X
3 hole basin deck mixer	X	X	X	X	X	X	X	X	X	X
3 hole basin wall mixer	X	YES	X	YES	X	X	X	X	YES	YES
<b>Berlin</b>										
Single lever mixer	YES	X	YES	X	YES	YES	YES	YES	X	X
Single lever mixer ext 100	YES	X	YES	X	YES	YES	YES	YES	X	X
Single lever mixer ext 160	X	X	X	X	X	X	X	X	YES	YES
3 hole deck mounted basin mixer	X	X	X	X	X	X	X	X	X	X
Wall mounted mono block left lever 144	X	YES	X	YES	X	X	X	X	YES	YES
Wall mounted mono block right lever 144	X	YES	X	YES	X	X	X	X	YES	YES
Wall mounted mono block left lever 194	X	X	X	X	X	X	X	X	YES	YES
Wall mounted mono block right lever 194	X	X	X	X	X	X	X	X	YES	YES
<b>Classic</b>										
Basin taps	X	X	X	X	X	X	X	X	X	X
3 hole basin mixer	X	X	X	X	X	X	X	X	X	X
Basin Monobloc mixer	YES	X	YES	X	YES	YES	YES	YES	X	X
<b>Glacier</b>										
Basin taps	X	X	X	X	X	X	X	X	X	X
Bath taps	X	X	X	X	X	X	X	X	X	X
Single lever basin mixer	YES #	X	YES #	X	YES #	YES#	YES #	YES #	X	X
Single lever basin mixer – ext	YES#	X	YES #	X	YES #	YES #	YES #	YES #	X	X
3 hole basin mixer	X	X	X	X	X	X	X	X	X	X
Basin wall spout and taps	X	YES	X	YES	X	X	X	X	YES	YES
Bath wall spout and taps	X	X	X	X	X	X	X	X	X	X
<b>Glacier 03</b>										
3 hole basin mixer	X	X	X	X	X	X	X	X	X	X
Single lever basin spout	X	X	X	X	X	X	X	X	X	X
Single lever basin mixer – ext	X	X	X	X	X	X	X	X	X	X
<b>Greenwich</b>										
Basin taps	X	X	X	X	X	X	X	X	X	X
3 hole basin mixer	X	X	X	X	X	X	X	X	X	X
Wall mounted bath mixer	X	YES	X	YES	X	X	X	X	YES	YES

**Suitability key:**

# Tap will fit, however the reach of the spout into the bowl is less than 100mm

<u>Tap Compatibility with Basins, Bowls and Washstands</u>	Milner	Glazed Steel Round (Tall)	Glazed Steel Round (Short)	Glazed Steel Square (Tall)	Glazed Steel Square (Short)	Glazed Steel Rectangle (Round bowl)	Glazed Steel Rectangle with towel rail	Florence	Aegina round	Leros basin
<b>Jazz</b>										
Single Lever Basin Mixer 200	YES	X	X	X	X	X	YES	X	YES	YES
Single Lever Basin Mixer 165	YES	X	YES	X	YES	YES	YES	YES	YES	YES
3 hole basin mixer 200	X	X	X	X	X	X	X	X	X	X
3 hole basin mixer 200 with waste	X	X	X	X	X	X	X	X	X	X
3 hole basin mixer 165	X	X	X	X	X	X	X	X	X	X
3 hole basin mixer 165 with waste	X	X	X	X	X	X	X	X	X	X
Wall mounted 3 hole basin mixer 170	X	YES	X	YES	X	X	X	X	YES	YES
Wall mounted single lever basin mixer 170	X	YES	X	YES	X	X	X	X	YES	YES
Wall mounted single lever mixer 240	X	X	X	X	X	X	X	X	YES	YES
<b>Jura</b>										
Short single lever basin mixer	YES	X	YES	X	YES	YES	YES	YES	X	X
Tall single lever basin mixer	YES	X	YES	X	YES	YES	YES	YES	YES	YES
Wall mounted basin filler	X	YES	X	YES	X	X	X	X	YES	YES
<b>Liberty</b>										
Single Lever Basin Mixer 125	YES	X	YES	X	YES	YES	YES	YES	X	X
Single Lever Basin Mixer 155	YES	X	YES	X	YES	YES	YES	YES	X	X
Extended Single Lever Basin Mixer	YES	X	X	X	X	X	X	X	YES	YES
Wall mounted single lever basin mixer	X	X	X	X	X	X	X	X	YES	YES
<b>Logic</b>										
Single lever basin mixer	YES	X	YES	X	YES	YES	YES	YES	X	X
Basin mono mixer cross head	YES	X	YES	X	YES	YES	YES	YES	X	X
3 hole basin mixer	X	X	X	X	X	X	X	X	X	X
Basin wall spout and taps	X	YES	X	YES	X	X	X	X	YES	YES
<b>Metro</b>										
Mini Metro	YES	X	YES	X	YES	YES	YES	YES	X	X
Basin taps	X	X	X	X	X	X	X	X	X	X
Single lever basin mixer	YES	X	YES	X	YES	YES	YES	YES	X	X
Single lever basin mixer – ext	X	X	X	X	X	X	X	X	X	X
3 hole basin mixer	X	X	X	X	X	X	X	X	X	X
Basin bridge mixer	X	X	X	X	X	X	X	X	X	X
Basin wall spout and taps	X	YES	X	YES	X	X	X	X	YES	YES
Basin mixer	YES	X	YES	X	YES	YES	YES	YES	X	X
<b>Roma</b>										
Single lever basin mixer	YES	X	YES	X	YES	YES	YES	YES	X	X
Tall single lever basin mixer	YES	X	X	X	X	X	X	X	YES	YES

<u>Tap Compatibility with Basins, Bowls and Washstands</u>	Ella basin 0 tap hole	Ella basin 1 tap hole	Angolo basin	Bambino basin	Fratello basin	Sorella 1 tap hole	Sorella 0 tap hole	Bastide 800mm	Bastide 1170mm	Bastide 1470mm
<b>Avebury</b>										
Basin taps	X	X	X	X	X	X	X	X	X	X
3 hole basin mixer	X	X	X	X	X	X	X	YES	YES	YES
Wall mounted vessel filler	YES	X	X	X	X	X	X	X	X	X
Deck mounted vessel filler	X	X	X	X	X	X	X	X	X	X
<b>Bastide</b>										
Single lever tap	X	X	YES	YES	YES	YES	X	X	X	X
3 hole basin deck mixer	X	X	X	X	X	X	X	Y	YES	YES
3 hole basin wall mixer	YES	X	X	X	X	X	X	X	X	X
<b>Berlin</b>										
Single lever mixer	X	YES	YES	YES	YES	YES	X	X	X	X
Single lever mixer ext 100	X	X	YES	YES	YES	YES	X	X	X	X
Single lever mixer ext 160	X	X	YES	YES	YES	YES	X	X	X	X
3 hole deck mounted basin mixer	X	X	X	X	X	X	X	X	X	X
Wall mounted mono block left lever 144	YES	X	X	X	X	X	YES	X	X	X
Wall mounted mono block right lever 144	YES	X	X	X	X	X	YES	X	X	X
Wall mounted mono block left lever 194	YES	X	X	X	X	X	YES	X	X	X
Wall mounted mono block right lever 194	YES	X	X	X	X	X	YES	X	X	X
<b>Classic</b>										
Basin taps	X	X	X	X	X	X	X	X	X	X
3 hole basin mixer	X	X	X	X	X	X	X	YES #	YES #	YES #
Basin Monobloc mixer	X	X	X	X	YES	X	X	X	X	X
<b>Glacier</b>										
Basin taps	X	X	X	X	X	X	X	X	X	X
Bath taps	X	X	X	X	X	X	X	X	X	X
Single lever basin mixer	X	X	YES	YES	X	YES	X	X	X	X
Single lever basin mixer – ext	X	X	X	X	X	X	X	X	X	X
3 hole basin mixer	X	X	X	X	X	X	X	YES #	YES #	YES #
Basin wall spout and taps	YES	X	X	X	X	X	X	X	X	X
Bath wall spout and taps	X	X	X	X	X	X	X	X	X	X
<b>Glacier 03</b>										
3 hole basin mixer	X	X	X	X	X	X	X	X	X	X
Single lever basin spout	X	X	X	X	X	X	X	X	X	X
Single lever basin mixer – ext	X	X	YES	YES	YES	YES	X	X	X	X
<b>Greenwich</b>										
Basin taps	X	X	X	X	X	X	X	X	X	X
3 hole basin mixer	X	X	X	X	X	X	X	YES #	YES #	YES #
Wall mounted bath mixer	X	X	X	X	X	X	X	X	X	X

Suitability key:

# Tap will fit, however the reach of the spout into the bowl is less than 100mm

<u>Tap Compatibility with Basins, Bowls and Washstands</u>	Elia basin 0 tap hole	Elia basin 1 tap hole	Angolo basin	Bambino basin	Fratello basin	Sorella 1 tap hole	Sorella 0 tap hole	Bastide 800mm	Bastide 1170mm	Bastide 1470mm
<b>Jazz</b>										
Single Lever Basin Mixer 200	X	X	X	YES	YES	YES *	X	X	X	X
Single Lever Basin Mixer 165	X	X	X	YES	YES	YES *	X	X	X	X
3 hole basin mixer 200	X	X	X	X	X	X	X	YES	YES	YES
3 hole basin mixer 200 with waste	X	X	X	X	X	X	X	YES	YES	YES
3 hole basin mixer 165	X	X	X	X	X	X	X	YES	YES	YES
3 hole basin mixer 165 with waste	X	X	X	X	X	X	X	YES	YES	YES
Wall mounted 3 hole basin mixer 170	X	X	X	X	X	X	YES	X	X	X
Wall mounted single lever basin mixer 170	X	X	X	X	X	X	YES	X	X	X
Wall mounted single lever mixer 240	X	X	X	X	X	X	X	X	X	X
<b>Jura</b>										
Short single lever basin mixer	X	YES	YES	YES	YES	YES	X	X	X	X
Tall single lever basin mixer	X	YES	YES	YES	YES	YES	X	X	X	X
Wall mounted basin filler	YES	X	X	X	X	X	YES	X	X	X
<b>Liberty</b>										
Single Lever Basin Mixer 125	X	YES	X	YES	YES	YES	X	X	X	X
Single Lever Basin Mixer 155	X	X	X	YES	YES	YES	X	X	X	X
Extended Single Lever Basin Mixer	X	X	X	YES	YES	YES	X	X	X	X
Wall mounted single lever basin mixer	X	X	X	X	X	X	X	X	X	X
<b>Logic</b>										
Single lever basin mixer	X	X	X	X	X	YES	X	X	X	X
Basin mono mixer cross head	X	X	X	X	X	YES	X	X	X	X
3 hole basin mixer	X	X	X	X	X	X	X	X	X	X
Basin wall spout and taps	YES	X	X	X	X	X	X	X	X	X
<b>Metro</b>										
Mini Metro	X	YES	X	YES	YES	X	X	X	X	X
Basin taps	X	X	X	X	X	X	X	X	X	X
Single lever basin mixer	X	X	X	YES	YES	YES	X	X	X	X
Single lever basin mixer – ext	X	X	X	X	X	X	X	X	X	X
3 hole basin mixer	X	X	X	X	X	X	X	X	X	X
Basin bridge mixer	X	X	X	X	X	X	X	X	X	X
Basin wall spout and taps	YES	X	X	X	X	X	X	X	X	X
Basin mixer	X	X	X	X	YES	YES	X	X	X	X
<b>Roma</b>										
Single lever basin mixer	X	YES	YES	YES	YES	YES	X	X	X	X
Tall single lever basin mixer	X	X	YES	YES	YES	YES	X	X	X	X

Suitability key:

\* Right hand tap hole only

<u>Tap Compatibility with Basins, Bowls and Washstands</u>	Shaker 500 and bowl	Shaker 700mm	Shaker 900mm	Xanthos travertine	Classic cloakroom basin and pedestal	Classic cloakroom basin and washstand	Classic basin & pedestal 2 tap holes	Classic basin & pedestal 3 tap holes	Classic washstand 2 tap holes	Classic washstand 3 tap holes
<b>Avebury</b>										
Basin taps	X	X	X	X	YES	YES	YES	X	YES	X
3 hole basin mixer	X	YES	YES	X	X	X	X	YES	X	YES
Wall mounted vessel filler	X	X	X	YES	X	X	X	X	X	X
Deck mounted vessel filler	X	X	X	X	X	X	X	X	X	X
<b>Bastide</b>										
Single lever tap	X	X	X	X	X	X	X	X	X	X
3 hole basin deck mixer	X	X	X	X	X	X	X	YES	X	YES
3 hole basin wall mixer	X	X	X	YES	X	X	X	X	X	X
<b>Berlin</b>										
Single lever mixer	X	X	X	X	X	X	X	X	X	X
Single lever mixer ext 100	X	X	X	X	X	X	X	X	X	X
Single lever mixer ext 160	YES	X	X	X	X	X	X	X	X	X
3 hole deck mounted basin mixer	X	X	X	X	X	X	X	YES	X	YES
Wall mounted mono block left lever 144	X	X	X	YES	X	X	X	X	X	X
Wall mounted mono block right lever 144	X	X	X	YES	X	X	X	X	X	X
Wall mounted mono block left lever 194	X	X	X	YES	X	X	X	X	X	X
Wall mounted mono block right lever 194	X	X	X	YES	X	X	X	X	X	X
<b>Classic</b>										
Basin taps	X	X	X	X	YES *	YES *	YES *	X	YES *	X
3 hole basin mixer	X	YES	YES	X	X	X	X	YES	X	YES
Basin Monobloc mixer	X	X	X	X	X	X	X	X	X	X
<b>Glacier</b>										
Basin taps	X	X	X	X	YES	YES	YES	X	YES	X
Bath taps	X	X	X	X	X	X	X	X	X	X
Single lever basin mixer	X	X	X	X	X	X	X	X	X	X
Single lever basin mixer – ext	X	X	X	X	X	X	X	X	X	X
3 hole basin mixer	X	YES	YES	X	X	X	X	YES	X	YES
Basin wall spout and taps	X	X	X	YES	X	X	X	X	X	X
Bath wall spout and taps	X	X	X	X	X	X	X	X	X	X
<b>Glacier 03</b>										
3 hole basin mixer	X	X	X	X	X	X	X	YES	X	YES
Single lever basin spout	X	X	X	X	X	X	X	X	X	X
Single lever basin mixer – ext	X	X	X	X	X	X	X	X	X	X
<b>Greenwich</b>										
Basin taps	X	X	X	X	YES	YES	YES	X	YES	X
3 hole basin mixer	X	YES	YES	X	X	X	X	YES	X	YES
Wall mounted bath mixer	X	X	X	YES	X	X	X	X	X	X

Suitability key:

\* Classic tap only has a reach of 80mm – only just reaches into basin

<u>Tap Compatibility with Basins, Bowls and Washstands</u>	Shaker 500 and bowl	Shaker 700mm	Shaker 900mm	Xanθος travertine	Classic cloakroom basin and pedestal	Classic cloakroom basin and washstand	Classic basin & pedestal 2 tap holes	Classic basin & pedestal 3 tap holes	Classic washstand 2 tap holes	Classic washstand 3 tap holes
<b>Jazz</b>										
Single Lever Basin Mixer 200	X	X	X	X	X	X	X	X	X	X
Single Lever Basin Mixer 165	X	X	X	YES	X	X	X	X	X	X
3 hole basin mixer 200	X	YES	YES	X	X	X	X	YES	X	YES
3 hole basin mixer 200 with waste	X	X	X	X	X	X	X	YES	X	YES
3 hole basin mixer 165	X	YES	YES	X	X	X	X	YES	X	YES
3 hole basin mixer 165 with waste	X	X	X	X	X	X	X	YES	X	YES
Wall mounted 3 hole basin mixer 170	X	X	X	YES	X	X	X	X	X	X
Wall mounted single lever basin mixer 170	X	X	X	YES	X	X	X	X	X	X
Wall mounted single lever mixer 240	X	X	X	YES	X	X	X	X	X	X
<b>Jura</b>										
Short single lever basin mixer	X	X	X	X	X	X	X	X	X	X
Tall single lever basin mixer	X	X	X	X	X	X	X	X	X	X
Wall mounted basin filler	X	X	X	YES	X	X	X	X	X	X
<b>Liberty</b>										
Single Lever Basin Mixer 125	X	X	X	X	X	X	X	X	X	X
Single Lever Basin Mixer 155	X	X	X	X	X	X	X	X	X	X
Extended Single Lever Basin Mixer	YES	X	X	X	X	X	X	X	X	X
Wall mounted single lever basin mixer	X	X	X	YES	X	X	X	X	X	X
<b>Logic</b>										
Single lever basin mixer	X	X	X	X	X	X	X	X	X	X
Basin mono mixer cross head	X	X	X	X	X	X	X	X	X	X
3 hole basin mixer	X	X	X	X	X	X	X	YES	X	YES
Basin wall spout and taps	X	X	X	YES	X	X	X	X	X	X
<b>Metro</b>										
Mini Metro	X	X	X	X	X	X	X	X	X	X
Basin taps	X	X	X	X	YES	YES	YES	X	YES	X
Single lever basin mixer	X	X	X	X	X	X	X	X	X	X
Single lever basin mixer – ext	YES **	X	X	X	X	X	X	X	X	X
3 hole basin mixer	X	X	X	X	X	X	X	YES	X	YES
Basin bridge mixer	X	X	X	X	YES	YES	YES	X	YES	X
Basin wall spout and taps	X	X	X	YES	X	X	X	X	X	X
Basin mixer	X	X	X	X	X	X	X	X	X	X
<b>Roma</b>										
Single lever basin mixer	X	X	X	X	X	X	X	X	X	X
Tall single lever basin mixer	YES	X	X	X	X	X	X	X	X	X

Suitability key:

\*\* Only suitable if fitted with a clicker waste (not included) and the pop up waste supplied is discarded.

<u>Tap Compatibility with Basins, Bowls and Washstands</u>	Jura 700mm	Jura 1030mm	Battersea cloakroom	Battersea basin & pedestal 2 tap holes	Battersea basin & pedestal 3 tap holes	Manhattan cloakroom	Manhattan washstand	Manhattan vanity basin	Kensington basin & pedestal 3 tap holes	Kensington washstand
<b>Avebury</b>										
Basin taps	X	X	YES	YES	X	YES	YES	X	X	X
3 hole basin mixer	X	X	X	X	YES	X	X	YES	YES	YES
Wall mounted vessel filler	X	X	X	X	X	X	X	X	X	X
Deck mounted vessel filler	X	X	X	X	X	X	X	X	X	X
<b>Bastide</b>										
Single lever tap	X	X	X	X	X	X	X	X	X	X
3 hole basin deck mixer	X	X	X	X	YES	X	X	YES	YES	YES
3 hole basin wall mixer	X	X	X	X	X	X	X	X	X	X
<b>Berlin</b>										
Single lever mixer	YES	YES	X	X	X	X	X	X	X	X
Single lever mixer ext 100	YES	YES	X	X	X	X	X	X	X	X
Single lever mixer ext 160	YES	YES	X	X	X	X	X	X	X	X
3 hole deck mounted basin mixer	X	X	X	X	YES	X	X	X	X	X
Wall mounted mono block left lever 144	X	X	X	X	X	X	X	X	X	X
Wall mounted mono block right lever 144	X	X	X	X	X	X	X	X	X	X
Wall mounted mono block left lever 194	X	X	X	X	X	X	X	X	X	X
Wall mounted mono block right lever 194	X	X	X	X	X	X	X	X	X	X
<b>Classic</b>										
Basin taps	X	X	YES *	YES *	X	YES *	YES *	X	X	X
3 hole basin mixer	X	X	X	X	YES	X	X	YES	YES	YES
Basin Monobloc mixer	X	X	X	X	X	X	X	X	X	X
<b>Glacier</b>										
Basin taps	X	X	YES	YES	X	YES	YES	X	X	X
Bath taps	X	X	X	X	X	X	X	X	X	X
Single lever basin mixer	X	X	X	X	X	X	X	X	X	X
Single lever basin mixer – ext	X	X	X	X	X	X	X	X	X	X
3 hole basin mixer	X	X	X	X	YES	X	X	YES	YES	YES
Basin wall spout and taps	X	X	X	X	X	X	X	X	X	X
Bath wall spout and taps	X	X	X	X	X	X	X	X	X	X
<b>Glacier O3</b>										
3 hole basin mixer	X	X	X	X	YES	X	X	YES	YES	YES
Single lever basin spout	X	X	X	X	X	X	X	X	X	X
Single lever basin mixer – ext	X	X	X	X	X	X	X	X	X	X
<b>Greenwich</b>										
Basin taps	X	X	YES	YES	X	YES	YES	X	X	X
3 hole basin mixer	X	X	X	X	YES	X	X	YES	YES	YES
Wall mounted bath mixer	X	X	X	X	X	X	X	X	X	X

Suitability key:

\* Classic tap only has a reach of 80mm – only just reaches into basin

<u>Tap Compatibility with Basins, Bowls and Washstands</u>	Jura 700mm	Jura 1030mm	Battersea cloakroom	Battersea basin & pedestal 2 tap holes	Battersea basin & pedestal 3 tap holes	Manhattan cloakroom	Manhattan washstand	Manhattan vanity basin	Kensington basin & pedestal 3 tap holes	Kensington washstand
<b>Jazz</b>										
Single Lever Basin Mixer 200	X	X	X	X	X	X	X	X	X	X
Single Lever Basin Mixer 165	X	X	X	X	X	X	X	X	X	X
3 hole basin mixer 200	X	X	X	X	YES	X	X	YES	YES	YES
3 hole basin mixer 200 with waste	X	X	X	X	YES	X	X	YES	YES	YES
3 hole basin mixer 165	X	X	X	X	YES	X	X	YES	YES	YES
3 hole basin mixer 165 with waste	X	X	X	X	YES	X	X	YES	YES	YES
Wall mounted 3 hole basin mixer 170	X	X	X	X	X	X	X	X	X	X
Wall mounted single lever basin mixer 170	X	X	X	X	X	X	X	X	X	X
Wall mounted single lever mixer 240	X	X	X	X	X	X	X	X	X	X
<b>Jura</b>										
Short single lever basin mixer	X	X	X	X	X	X	X	X	X	X
Tall single lever basin mixer	YES	YES	X	X	X	X	X	X	X	X
Wall mounted basin filler	X	X	X	X	X	X	X	X	X	X
<b>Liberty</b>										
Single Lever Basin Mixer 125	X	X	X	X	X	X	X	X	X	X
Single Lever Basin Mixer 155	X	X	X	X	X	X	X	X	X	X
Extended Single Lever Basin Mixer	YES	YES	X	X	X	X	X	X	X	X
Wall mounted single lever basin mixer	X	X	X	X	X	X	X	X	X	X
<b>Logic</b>										
Single lever basin mixer	X	X	X	X	X	X	X	X	X	X
Basin mono mixer cross head	X	X	X	X	X	X	X	X	X	X
3 hole basin mixer	X	X	X	X	YES	X	X	YES	YES	YES
Basin wall spout and taps	X	X	X	X	X	X	X	X	X	X
<b>Metro</b>										
Mini Metro	X	X	X	X	X	X	X	X	X	X
Basin taps	X	X	YES	YES	X	YES	YES	X	X	X
Single lever basin mixer	X	X	X	X	X	X	X	X	X	X
Single lever basin mixer – ext	X	X	X	X	X	X	X	X	X	X
3 hole basin mixer	X	X	X	X	YES	X	X	YES	YES	YES
Basin bridge mixer	X	X	YES	YES	X	YES	YES	X	X	X
Basin wall spout and taps	X	X	X	X	X	X	X	X	X	X
Basin mixer	X	X	X	X	X	X	X	X	X	X
<b>Roma</b>										
Single lever basin mixer	X	X	X	X	X	X	X	X	X	X
Tall single lever basin mixer	YES	YES	X	X	X	X	X	X	X	X

<u>Tap Compatibility with Basins, Bowls and Washstands</u>	Camden cloakroom 1 tap hole	Camden cloakroom 2 tap holes	Camden basin & pedestal 1 tap hole	Camden basin & pedestal 2 tap holes	Versailles basin & pedestal	Versailles console	Stratford	Wycombe	Elegance
<b>Avebury</b>									
Basin taps	X	YES	X	YES	X	X	X	X	X
3 hole basin mixer	X	X	X	X	YES	YES	X	X	X
Wall mounted vessel filler	X	X	X	X	X	X	X	X	X
Deck mounted vessel filler	X	X	X	X	X	X	X	X	X
<b>Bastide</b>									
Single lever tap	YES	X	YES	X	X	X	X	YES	YES
3 hole basin deck mixer	X	X	X	X	YES	YES	X	X	X
3 hole basin wall mixer	X	X	X	X	X	X	X	X	X
<b>Berlin</b>									
Single lever mixer	YES	X	YES	X	X	X	YES	YES	YES
Single lever mixer ext 100	YES	X	YES	X	X	X	YES	YES	YES
Single lever mixer ext 160	X	X	X	X	X	X	X	X	X
3 hole deck mounted basin mixer	X	X	X	X	X	X	X	YES	X
Wall mounted mono block left lever 144	X	X	X	X	X	X	X	X	X
Wall mounted mono block right lever 144	X	X	X	X	X	X	X	X	X
Wall mounted mono block left lever 194	X	X	X	X	X	X	X	X	X
Wall mounted mono block right lever 194	X	X	X	X	X	X	X	X	X
<b>Classic</b>									
Basin taps	X	YES*	X	YES *	X	X	X	X	X
3 hole basin mixer	X	X	X	X	YES	YES	X	X	X
Basin Monobloc mixer	YES	X	YES	X	X	X	X	YES	X
<b>Glacier</b>									
Basin taps	X	YES	X	YES	X	X	X	X	X
Bath taps	X	X	X	X	X	X	X	X	X
Single lever basin mixer	YES	X	YES	X	X	X	YES	YES	YES
Single lever basin mixer – ext	X	X	X	X	X	X	X	YES	X
3 hole basin mixer	X	X	X	X	YES	YES	X	X	X
Basin wall spout and taps	X	X	X	X	X	X	X	X	X
Bath wall spout and taps	X	X	X	X	X	X	X	X	X
<b>Glacier 03</b>									
3 hole basin mixer	X	X	X	X	YES	YES	X	X	X
Single lever basin spout	X	X	X	X	X	X	X	X	X
Single lever basin mixer – ext	X	X	X	X	X	X	X	X	X
<b>Greenwich</b>									
Basin taps	X	YES	X	YES	X	X	X	X	X
3 hole basin mixer	X	X	X	X	YES	YES	X	X	X
Wall mounted bath mixer	X	X	X	X	X	X	X	X	X

**Suitability key:**

\* Classic tap only has a reach of 80mm – only just reaches into basin

<u>Tap Compatibility with Basins, Bowls and Washstands</u>	Camden cloakroom 1 tap hole	Camden cloakroom 2 tap holes	Camden basin & pedestal 1 tap hole	Camden basin & pedestal 2 tap holes	Versailles basin & pedestal	Versailles console	Stratford	Wycombe	Elegance
<b>Jazz</b>									
Single Lever Basin Mixer 200	X	X	X	X	X	X	YES	YES	X
Single Lever Basin Mixer 165	YES	X	YES	X	X	X	YES	YES	YES
3 hole basin mixer 200	X	X	X	X	YES	YES	X	X	X
3 hole basin mixer 200 with waste	X	X	X	X	YES	YES	X	X	X
3 hole basin mixer 165	X	X	X	X	YES	YES	X	X	X
3 hole basin mixer 165 with waste	X	X	X	X	YES	YES	X	X	X
Wall mounted 3 hole basin mixer 170	X	X	X	X	X	X	X	X	X
Wall mounted single lever basin mixer 170	X	X	X	X	X	X	X	X	X
Wall mounted single lever mixer 240	X	X	X	X	X	X	X	X	X
<b>Jura</b>									
Short single lever basin mixer	YES	YES	YES	X	X	X	YES	YES	YES
Tall single lever basin mixer	YES	YES	YES	X	X	X	YES	YES	YES
Wall mounted basin filler	X	X	X	X	X	X	X	X	X
<b>Liberty</b>									
Single Lever Basin Mixer 125	YES	X	YES	X	X	X	YES	YES	YES
Single Lever Basin Mixer 155	YES	X	YES	X	X	X	YES	YES	YES
Extended Single Lever Basin Mixer	X	X	X	X	X	X	X	X	X
Wall mounted single lever basin mixer	X	X	X	X	X	X	X	X	X
<b>Logic</b>									
Single lever basin mixer	YES	X	YES	X	X	X	YES	YES	YES
Basin mono mixer cross head	X	X	YES	X	X	X	YES	YES	YES
3 hole basin mixer	X	X	X	X	YES	YES	X	X	X
Basin wall spout and taps	X	X	X	X	X	X	X	X	X
<b>Metro</b>									
Mini Metro	YES	X	YES	X	X	X	YES	YES	YES
Basin taps	X	YES	X	YES	X	X	X	X	X
Single lever basin mixer	YES	X	YES	X	X	X	YES	YES	YES
Single lever basin mixer – ext	X	X	X	X	X	X	X	X	X
3 hole basin mixer	X	X	X	X	YES	YES	X	X	X
Basin bridge mixer	X	YES	X	YES	X	X	X	X	X
Basin wall spout and taps	X	X	X	X	X	X	X	X	X
Basin mixer	YES	X	YES	X	X	X	YES	YES	YES
<b>Roma</b>									
Single lever basin mixer	YES	X	YES	X	X	X	YES	YES	X
Tall single lever basin mixer	X	X	X	X	X	X	X	X	X

Shower technical specification chart	Dual control	Thermostatic	Recommended water pressure	Size of inlet connections	Pipe centres mm	Rose included	Handset included	Suitable for gravity fed and unvented systems	Suitable for combi systems
<b>Avebury</b>									
Avebury exposed shower	YES	YES	1 – 5 bar	¾" bsp	179mm	YES	X	YES	YES
Avebury Grande exposed shower	YES	YES	1 – 5 bar	¾" bsp	179mm	YES	YES	YES	YES
Avebury concealed shower	YES	YES	1 – 5 bar	¾" bsp	n/a	YES	X	YES	YES
Avebury concealed shower accessory kit	YES	YES	1 – 5 bar	¾" bsp	n/a	YES	YES	YES	YES
<b>Bastide</b>									
Bastide 3/4 exposed shower	YES	YES	1 – 5 bar	¾" bsp	177 – 219mm	X	YES	YES	YES
Bastide concealed shower	YES	YES	1 – 5 bar	¾" bsp	n/a	X	X	YES	YES
<b>Berlin</b>									
Berlin concealed shower valve	YES	X	3 – 5 bar	½" bsp	n/a	X	X	YES	X
Berlin concealed thermostatic shower 1 valve	YES	YES	3 – 5 bar	¾" bsp	n/a	X	X	YES	X
Berlin concealed thermostatic shower 2 valve	YES	YES	3 – 5 bar	¾" bsp	n/a	X	X	YES	X
<b>Classic</b>									
Classic exposed shower	YES	YES	1 – 5 bar*	15mm	138 – 145mm	X	X	YES	YES
Classic Grande exposed shower	YES	YES	1 – 5 bar*	15mm	138 – 145mm	X	YES	YES	YES
New Classic Grande exposed shower (2012)	YES	YES	1 – 5 bar*	½" bsp	135 – 175mm	X	YES	YES	YES
Classic concealed shower	YES	YES	1 – 5 bar*	15mm	n/a	X	X	YES	YES
New Classic concealed shower (Oct 2011)	YES	YES	1 – 5 bar*	¾" bsp	n/a	X	X	YES	YES
<b>Glacier</b>									
Glacier concealed shower	YES	YES	1 – 5 bar	15mm	n/a	X	X	YES	YES
<b>Glacier 03</b>									
Glacier 03 Grande shower	X	X	3 – 5 bar	½" bsp	n/a	n/a	YES	YES	X
Glacier 03 concealed shower	YES	YES	3 – 5 bar	¾" bsp	n/a	n/a	X	YES	X
Glacier 03 concealed with diverter	YES	YES	3 – 5 bar	¾" bsp	n/a	n/a	X	YES	X
<b>Greenwich</b>									
Greenwich concealed shower	X	YES	1 – 5 bar	¾" bsp	n/a	X	X	YES	YES
<b>Jazz</b>									
Dual control shower	YES	YES	1 – 5 bar	½" bsp	n/a	X	X	YES	X
Dual control shower with 2 valves	YES	YES	1 – 5 bar	¾" bsp	n/a	X	X	YES	X
Dual control shower with 3 valves	YES	YES	1 – 5 bar	¾" bsp	n/a	X	X	YES	X
<b>Jura</b>									
Jura concealed shower	YES	YES	1 – 5 bar	¾" bsp	n/a	X	X	YES	YES
Dual control shower with 2 valves	YES	YES	1 – 5 bar	¾" bsp	n/a	X	X	YES	YES
<b>Liberty</b>									
Dual control shower	YES	YES	1 – 5 bar	½" bsp	n/a	X	X	YES	X
Dual control shower with 2 valves	YES	YES	1 – 5 bar	¾" bsp	n/a	X	X	YES	X
Dual control shower with 3 valves	YES	YES	1 – 5 bar	¾" bsp	n/a	X	X	YES	X
<b>Logic</b>									
Logic concealed shower	YES	YES	1 – 5 bar	¾" bsp	n/a	X	X	YES	YES
Logic concealed with diverter	YES	YES	1 – 5 bar	¾" bsp	n/a	X	X	YES	YES
<b>Metro</b>									
Metro Grande exposed shower	YES	YES	3 – 5 bar	½" bsp	150mm	YES	YES	YES	X
Metro X tool concealed shower	YES	YES	3 – 5 bar	¾" bsp	n/a	X	X	YES	X
<b>Roma</b>									
Dual control shower	YES	YES	1 – 5 bar	½" bsp	n/a	X	X	YES	X

Suitability key:

\* Minimum pressure 3 bar if using the 12" shower head

Gravity systems may require pump to achieve suitable water pressure

FLUSH PLATE / CONCEALED CISTERN COMPATIBILITY

FLUSH PLATE		CONCEALED CISTERN			
DESCRIPTION	FIRED EARTH PRODUCT CODE	BTWCONCIS	WALLFRAMTO10.82	WALLFRAMTO10.98	WALLFRAMTO11.12
Kappa 20 Chrome	WALPLATKAPPA20C	YES	YES	YES	X
Kappa 21 Black	WALPLATKAPPA21B	YES	YES	YES	X
Kappa 21 Chrome	WALPLATKAPPA21C	YES	YES	YES	X
Kappa 21 White	WALPLATKAPPA21W	YES	YES	YES	X
Kappa 50 Chrome	WALPLATKAPPA50C	YES	YES	YES	X
Sigma 20 Chrome	WALPLATSIGMA20C	X	X	X	YES
Sigma 20 White	WALPLATSIGMA20W	X	X	X	YES
Sigma 50 Black	WALPLATSIGMA50B	X	X	X	YES
Sigma 50 Smoked Glass	WALPLATSIGMA50S	X	X	X	YES
Sigma 50 White	WALPLATSIGMA50W	X	X	X	YES
Bolero Chrome	WALPLATBOLEROC	X	X	X	YES
Samba Chrome	WALPLATSAMBAC	X	X	X	YES
Finger Button	WALBUTFINGERC	YES	YES	YES	YES
Wall Double White	WALBUTTONDBLW	YES	YES	YES	YES
Wall Double Chrome	WALBUTTONDBLC	YES	YES	YES	YES
Wall Palm White	WALBUTTONPALMW	YES	YES	YES	YES
Wall Palm Chrome	WALBUTTONPALMC	YES	YES	YES	YES