



Height Adjustable Basin
ABW6SP

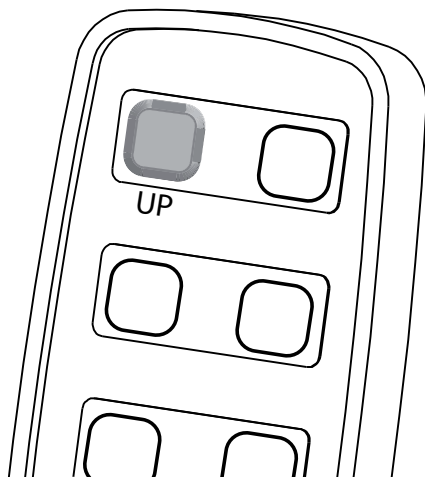
OWNERS MANUAL & INSTALLATION GUIDE



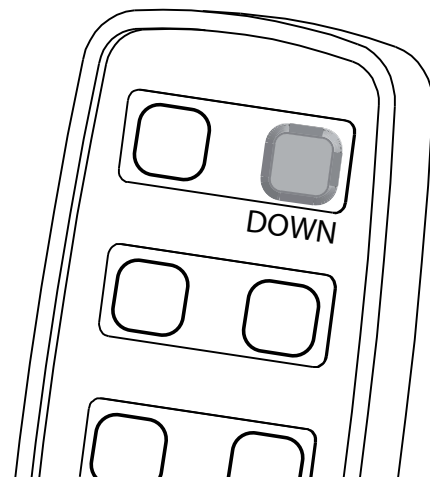
IMPORTANT
READ THIS
MANUAL
BEFORE USE

Warranty No

Operation

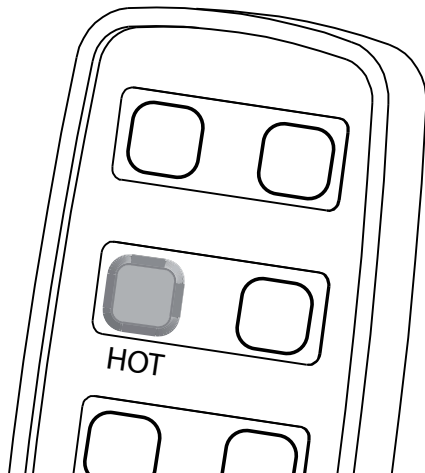


Press and hold button
to raise basin

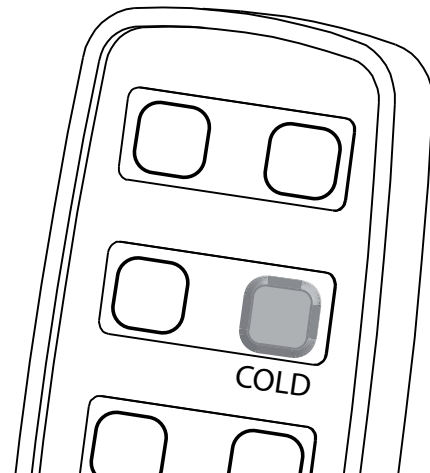


Press and hold button
to lower basin

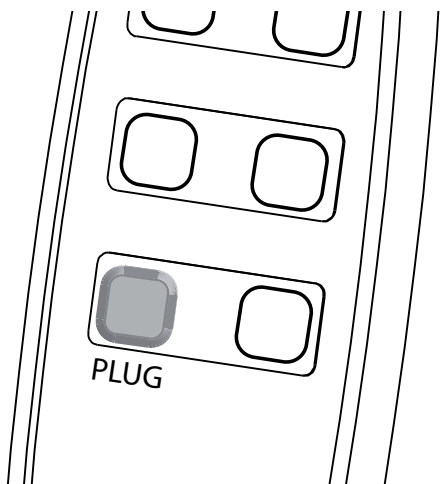
Following functions apply to the SP version only



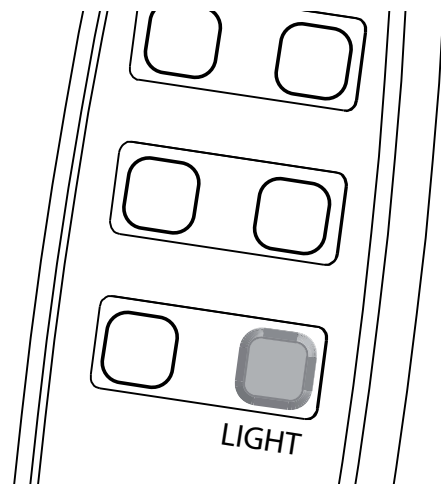
Press and release button
to turn Hot water on or off



Press and release button
to turn Cold water on or off



Press and release button
to raise or lower plug



Press and release button
to turn light on or off

Manual operation of the lever tap system

In normal operation the levers should be facing forward, (towards the user) when off. To operate them, rotate the levers outwards to achieve the flow-rate required. To stop water flowing, rotate the levers until they are facing forward once again.

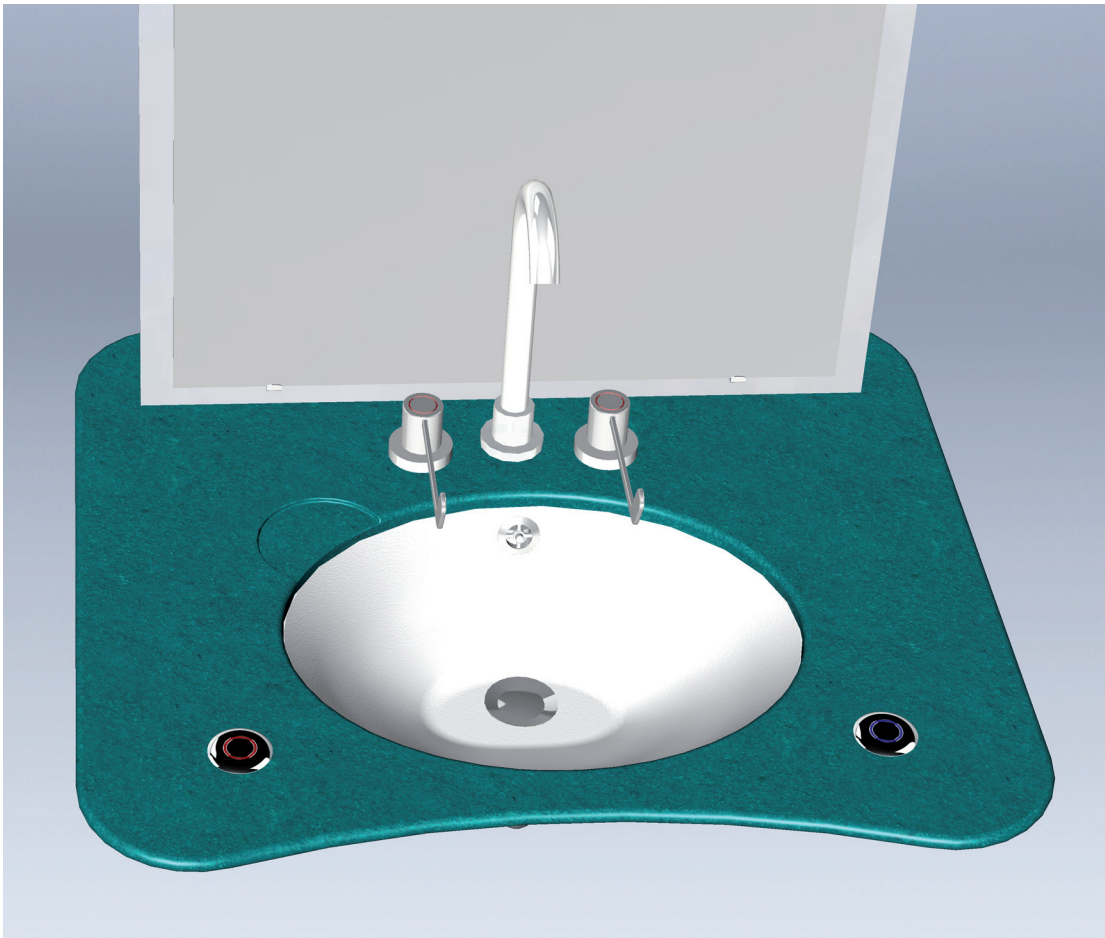
The waste plug

To the rear of the tap block is a small rod with a 'knob' fitted to the top. This can be raised and lowered to open or close the waste plug as required.

Operating the touch tap system

The taps are usually set as wave ON-Wave OFF.

To turn the water ON /OFF pass your hand above the Sensor on the basin top.



**Touch Tap
Sensors
in position**



Caution: The unit is fitted with a safety mechanism, if the unit encounters an obstruction under the front portion of the basin whilst travelling downwards it will automatically stop. Pressing the 'Up' button will allow the obstruction to be removed. Care should be taken

to ensure that whilst the basin assembly is moving downwards there are no obstructions left directly beneath the basin or rise & fall unit as the safety mechanism is designed to stop the unit only when the front of the basin is lifted.

If both the 'Up' and Down' buttons are pressed at the same time the unit will not move.

Cleaning

The basin and vanity top may be cleaned using most mild cleaning agents. Chemical agents must not be used, i.e., drain cleaners, acetone, oven cleaners or acids. The rise and fall unit, mirror and handset should be cleaned using a warm soapy solution and rinsed with a damp cloth. Attention should always be paid to instruction labels on the outside of cleaning agent containers.

Technical Specification.

Duty cycle: 10%, Maximum 2 min/18 min

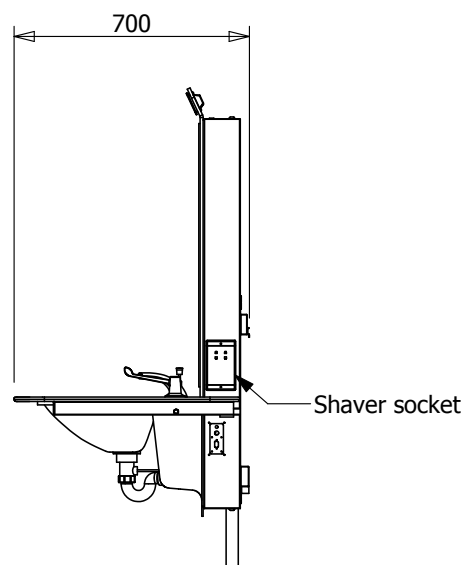
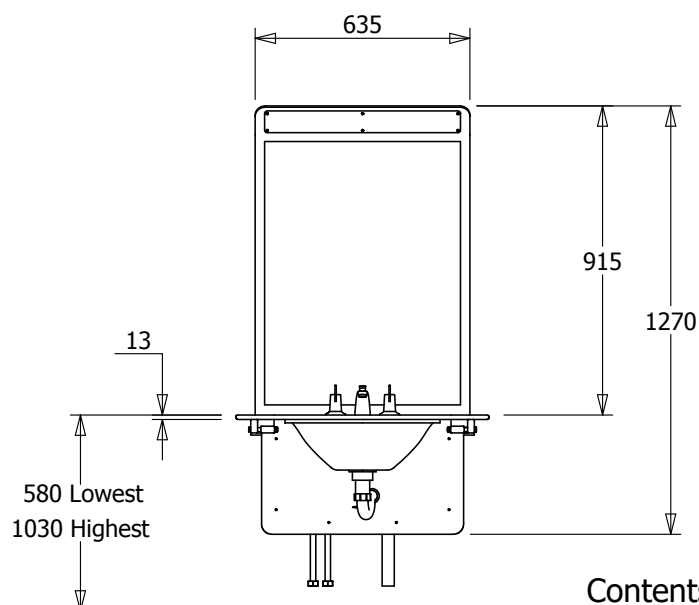
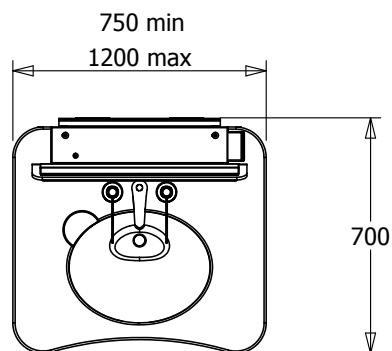
IP Rating: IP X4

Supply voltage: 230V ac

Power 0.25KW

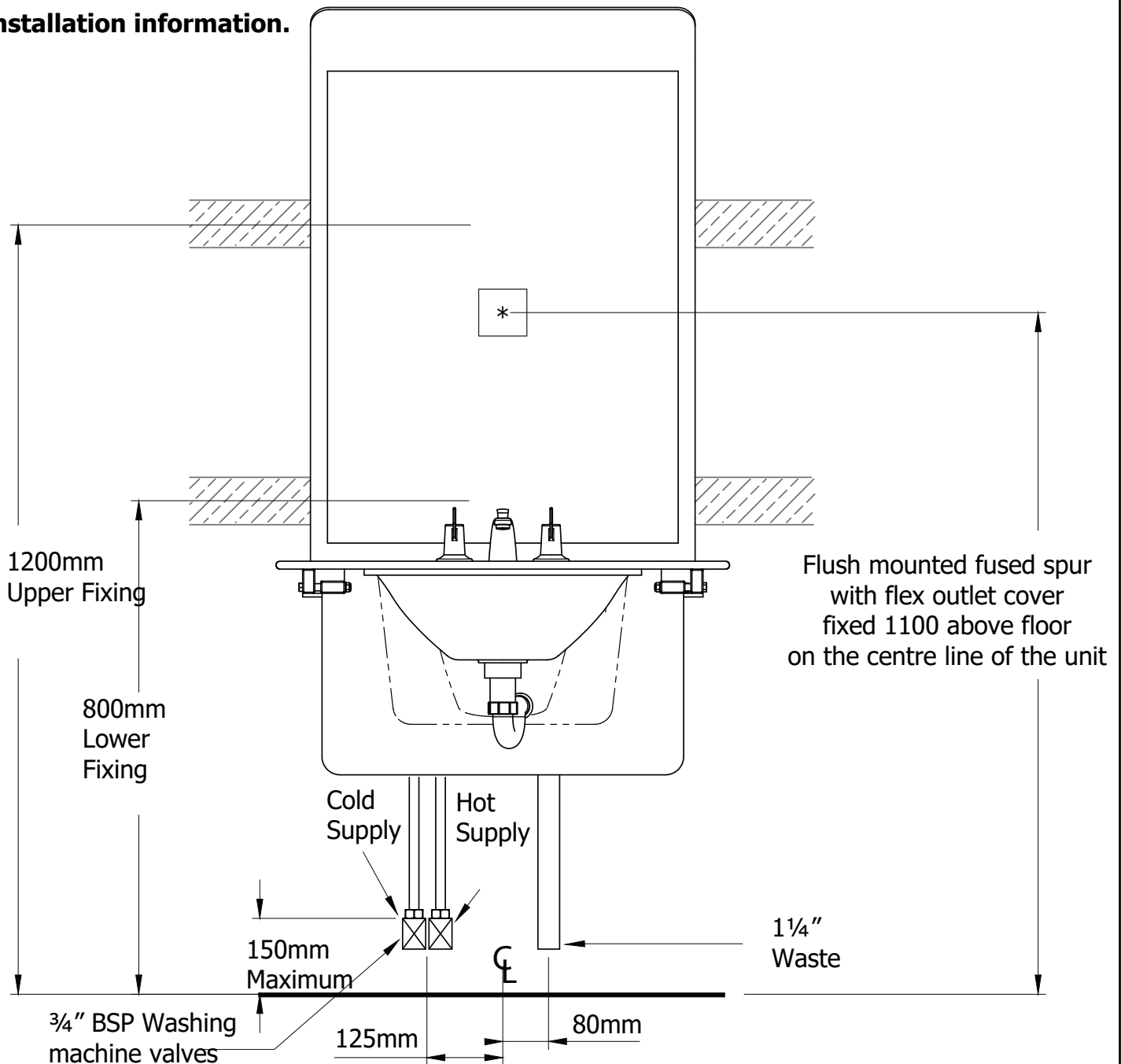
Dry weights: 50Kg.

A weighted sound emission<70dB(A)

**Contents of Packages**

#	Item No.	Item Description	Qty
1	20.040.20.0005	Taps, lever handles,	1
2	20.040.30.0010	Hose, 1400mm, 3/4 BSP & 90 degree Conex fittings (ABW6)	2
3	21.090.00.0029	Washer, 3/4 Gauze filter	2
4	75.090.00.0039	Washer, fibre 1/2	2
5	75.090.00.0060	Washer, M8, Form C (wide) stainless steel,	3
6	20.032.00.0003	Holder, handset	1
7	20.040.50.0006	Handset, ABW6, grey, 6 button,	1
8	10.041.00.0021	Tube, copper 70mm ABW6sp	2
9	10.041.00.0020	Tube, copper 45mm ABW6sp	6
10	21.090.00.0390	Tie, cable, 12 (300mm)	1
11	20.041.90.0001	Hose kit, 2pr 300x550mm, 1/2 flat, 15mm brass tube ABW6sp	1
12	10.041.30.0002	Plug actuator assembly	1
13	20.040.30.0008	Connector, 15mm - 1/2 in brass, 303 SF	2
14	20.040.30.0009	Connector, 15mm, compression, brass T	4
15	20.041.00.0018	Elbow, 15mm conex,	2
16	21.090.00.0258	Valve, solenoid, 12volt, plastic, nuts, olives, 15mm	2

Installation information.



Plumbing:

Fit cold (on left) and hot (on right) outlets, terminating with 3/4" BSP washing machine isolation valves, pointing upwards at 150mm maximum above the floor and offset to the left of the centre line of the unit by 125mm. These feeds will be enclosed by 50x75mm trunking upon installation. An 1 1/4" waste pipe needs to be fitted at 150mm maximum above the floor, offset to the right of the centre line of the unit by 80mm.

Electrics:

The ABW6 is supplied with mains electric (230v) and transformed to 24v within the unit. A battery backup is fitted as standard. A 30mA RCD protected fused spur is required, with flush mounted a flex outlet cover, on the wall behind the unit at a height of 1100mm from the floor on the centreline of the unit.

Fixing:

The basin assembly should be fixed to a load bearing wall (i.e. strong enough to carry a 100kg load on wall fixing) which is flat and free from obstruction from 200mm – 2200mm above the floor. If the basin needs to be fixed to a stud wall, the wall will need special reinforcement, either noggins as shown above or 25mm (1 inch) marine or exterior plywood should be used to cover the entire fixing area, secured to the wall every 200mm.

Please Note: Due to the complexity of different building methods Astor Bannerman do not supply installation fixings and anchors.

Important: The attachment rail is the main load bearing fixing; it is vital that it is secured correctly .

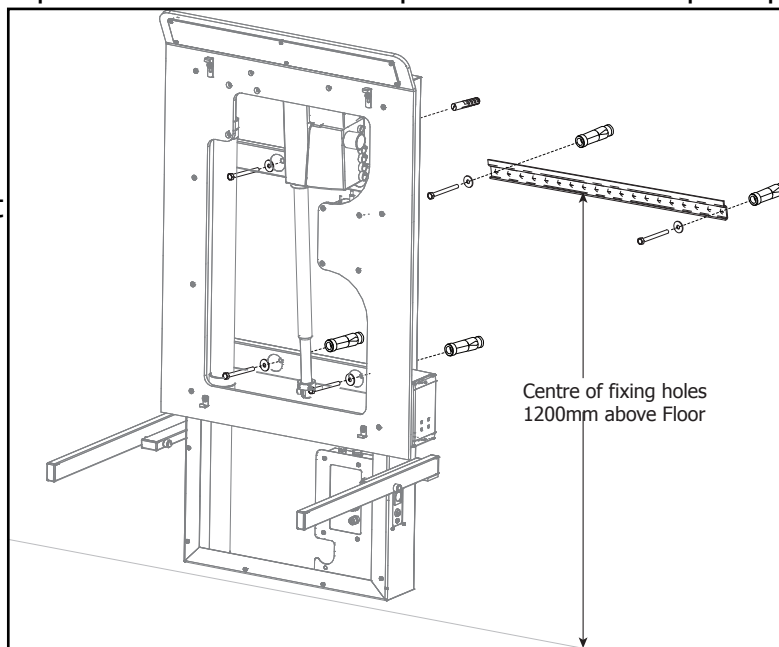
- Measure 1200mm up from the floor along the centre-line of the final position of the unit; using a spirit level, draw a horizontal line at least 520mm long.
- Place the attachment rail with the open lip upwards, on the line. With a pencil mark two of the holes for the rail at least 250mm apart
- Using a masonry bit, drill two 6mm full depth pilot holes at the marked positions and then open up

in order to accept the Anchors.

- Fix the attachment rail, open lip uppermost to the wall using suitable fixings.
- Ensure that the rail is level using a spirit level (adjust to suit) and check that it is secure.
- With assistance, place the rise and fall unit onto the wall ensuring that the two short rails welded to the unit engage with the one on the wall.
- Ensure that the unit is level, then mark the wall through the remaining three attachment points, two on the lower horizontal beam and one on the upper horizontal beam
- Remove the unit from the wall and at the three marked positions drill three 6mm full-depth pilot holes.
- Open the upper hole to accept a plastic wall plug.
- Fit supporting Anchors in the two lower holes
- Place the rise and fall unit back onto the wall-mounted rail. Fully fix the rise and fall unit to the wall.

Ensure that the mains supply to the junction box on the wall is switched OFF.

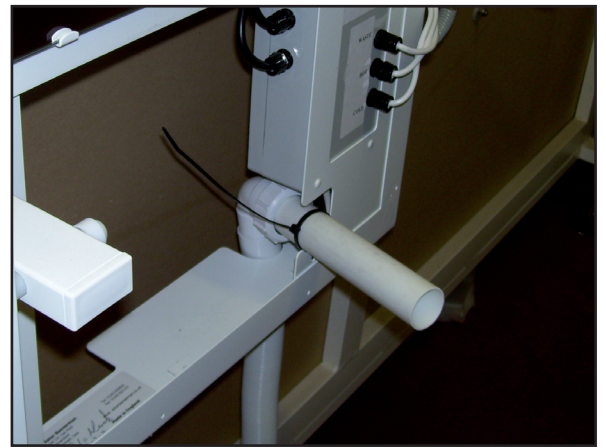
- Electrically connect the rise and fall unit to fused outlet behind the unit with the three-core cable supplied.
- Lower the arms and ensure the handset is fitted **BEFORE** switching the power on



- Switch on the mains voltage, a light fitted next to the Handset socket on the right hand side of the unit, should be illuminated.

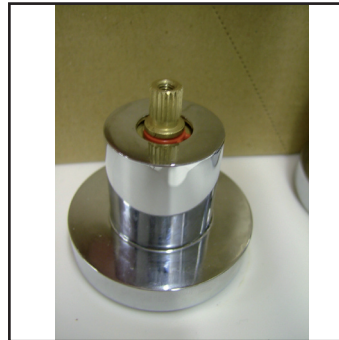
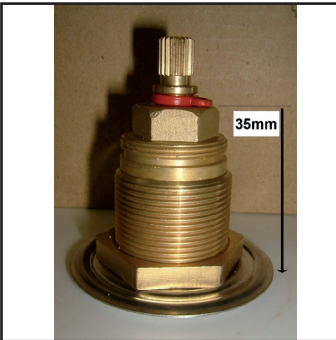
Test the Safety Switch mechanism on the arms works properly.

- Operate the lowering function and then lift the right hand arm to ensure the motor cuts out.
- Leave the mains voltage supply switched on as it will allow the batteries to charge.
- Remove the 'P' Trap & straight coupling from the waste assembly.
- Fit the waste and cable tie in position as shown.



Assemble the Basin:

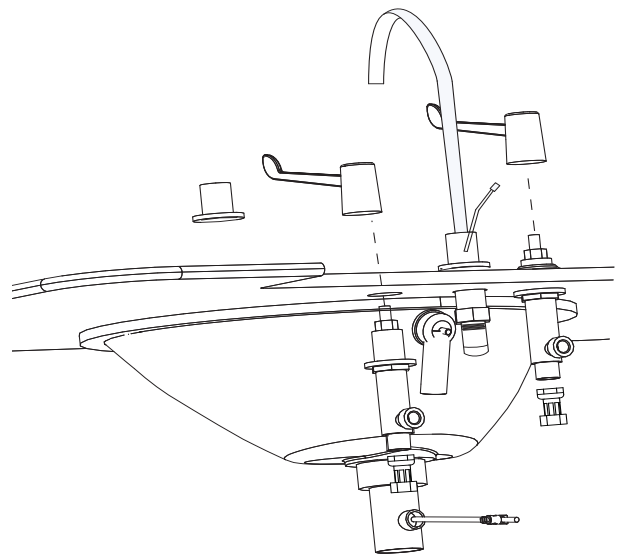
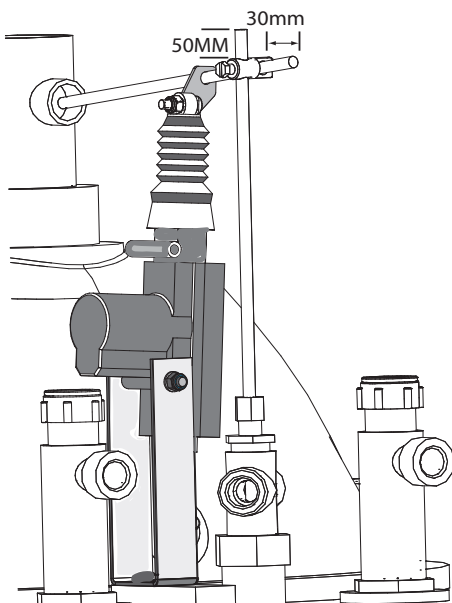
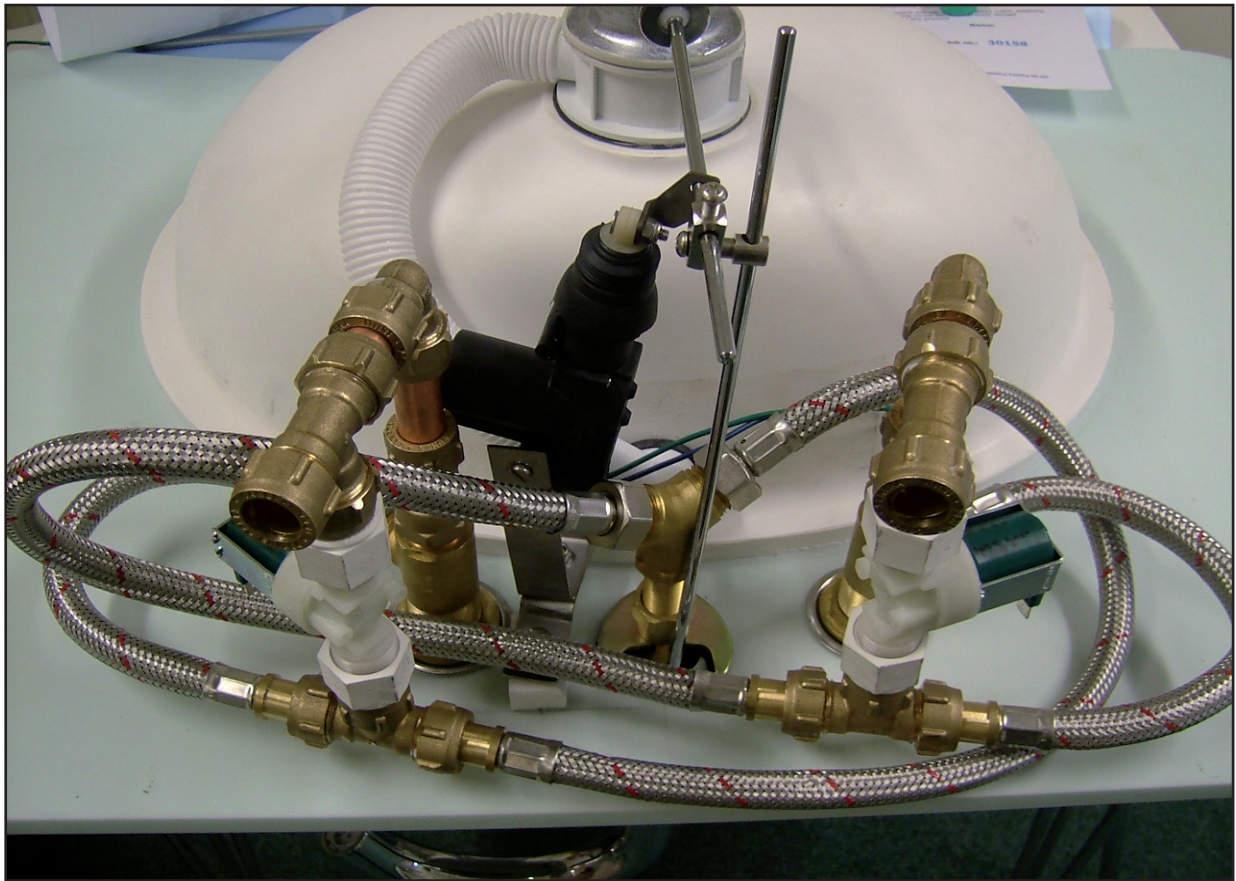
- Cover the support arms to protect the Basin.
- Rotate the support arms so they are horizontal and place the up turned basin on the arms.
- Fit the tap bodies to the basin as shown. Ensure there is 35mm of threaded body showing above the basin deck to allow fitting the handle. Ensure the nylon washer is fitted under the handle screw to remove any clearance on the spline.



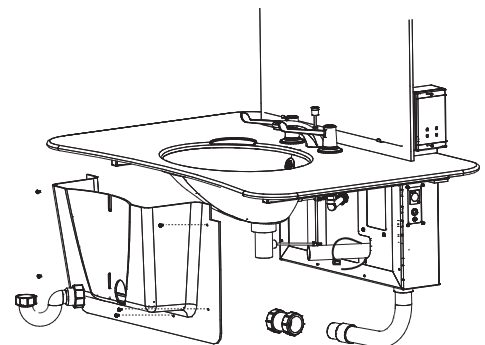
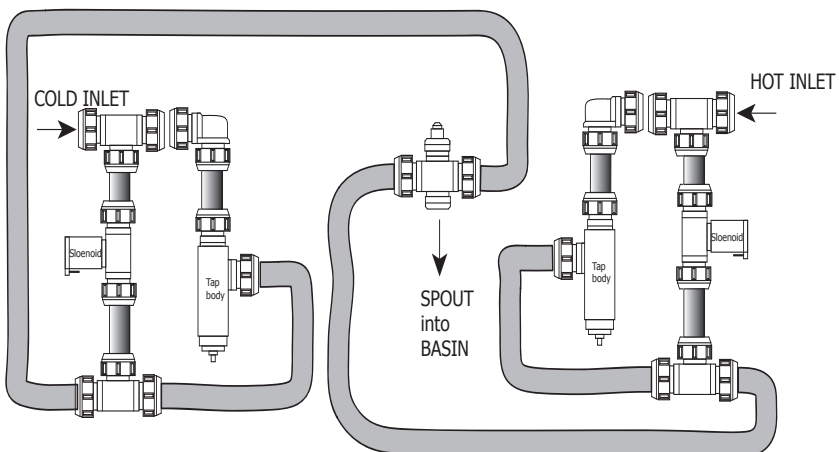
- Fit the 1/2"-15mm tap adaptors
- Fit the spout in position and connect the flexible hoses as shown.
- Fit the overflow, hose and waste connection into the basin, apply a thin film of silicon sealant to the faces to assist with sealing
- Using the adjusting screw, set the overall length of the basin plug to 77mm.(may need adjusting later)

Fit the plug operating actuator.

- Attach the mounting bracket using 2 screws.
- Stand the lower cover in place, then:-
- Fit the horizontal plug lifting rod in position and set the clamp to lift the plug. See measurements.



Pipe connection diagram



- Leave the clamp in place, fit the vertical rod
- **Fit the water supply solenoids.**
- Ensure the direction of flow, indicated by an arrow on the solenoid body, is correct this should point towards the deck of the basin.
- Connect the wiring to the actuator and water solenoids. Labels indicating the wire positions are on the side of the electrical control box.

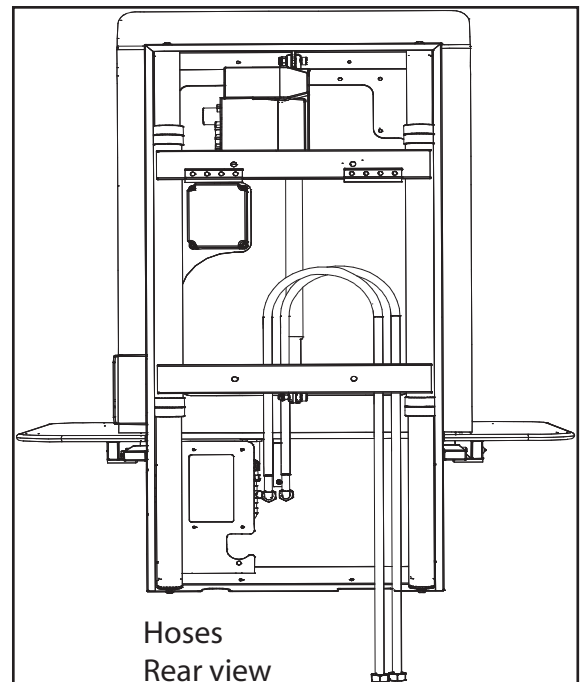
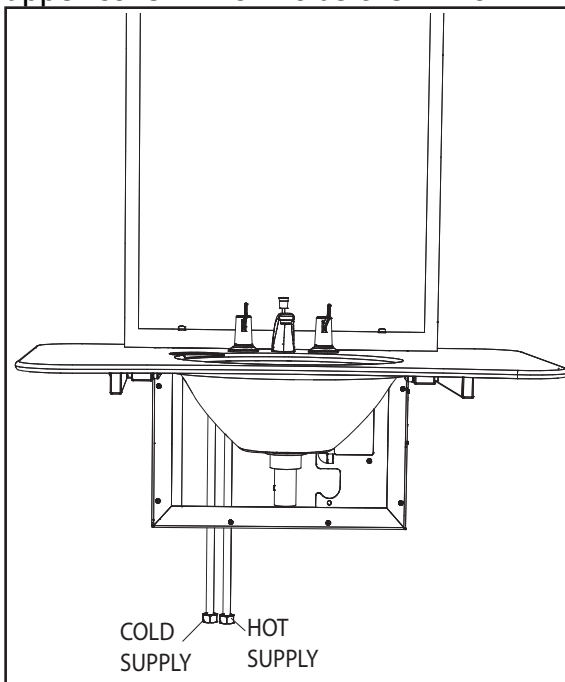
- **Touch taps:**

Fit the sensors before mounting the unit on the wall

- Touch tap sensors should be fitted in the position agreed with the client.
- Drill an 18mm in the position required, take care to avoid items under the basin.
- Position the coloured ring on the sensor and fit the securing nut.
- Position the second sensor.
- Wire the sensors into the control box behind the mirror
-

The basin assembly is now ready to be fitted to the high low frame

Remove the protective film from double-sided sticky tape fitted to the pivoting arms and place the basin onto the support arms as far back as possible, ensuring the basin is under the white plastic upper cover which holds the mirror.



The mains water supply can now be fitted.

- Ensure both the hot and cold mains water supplies have been flushed and only then fit the open ends of the supply hoses with the filter screens supplied onto the isolation valves.
- Ensure the free end of the supply hoses are passed through the recess in the bottom left hand side of the carcass of the rise and fall unit.
- Connect the end of the supply hoses with the Conex fitting to the tap connectors.

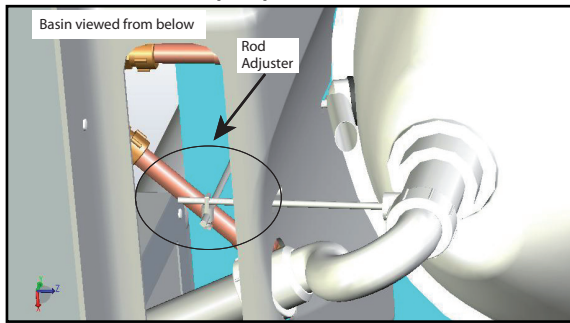
Test the water supply:

- Ensure the isolation valves are **CLOSED**. Place a bucket or suitable container below the plug hole of the basin. Open both basin taps fully and then slowly open each of the isolation valves, wait 2 minutes, then examine the supply system for leaks, correct as necessary. Close the isolation valves.

Fit the white plastic lower cover:

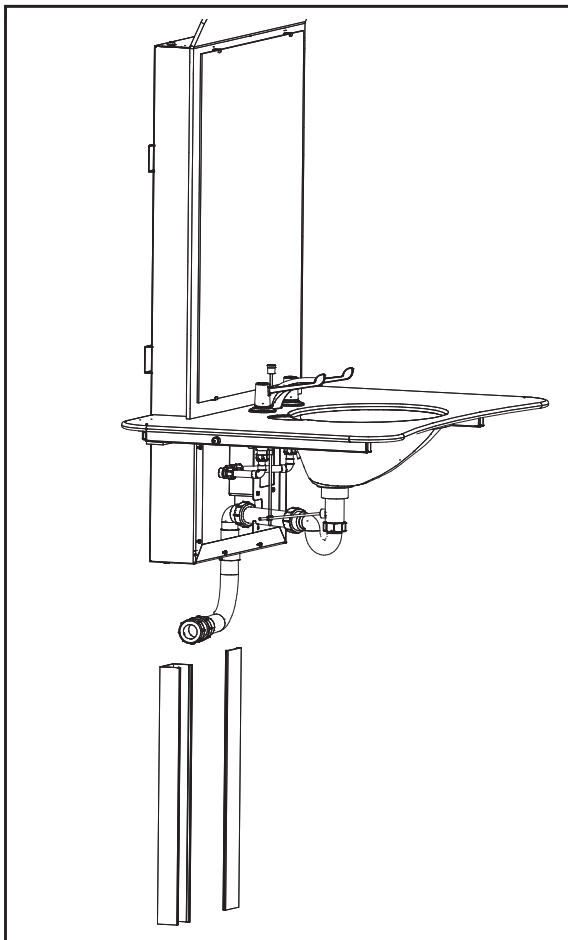
- Remove the mushroom heads from the plastic rivets and place aside, fit the bodies into the six holes in the frame
- Remove the P Trap and straight coupling from the waste assembly.
- Feed the free end of the flexible hose through the cut out in the lower right hand side of the

- Working through the aperture in the base of the cover, support the waste assembly, fit the nut and seals from the P trap through the front hole in the cover and then connect to the P trap
- Connect the P Trap to the underside of the basin.
- Fit the free end of the flexible hose to the waste pipe fitted to the site as part of the pre installation preparations and secure with a cable tie as shown in the picture on page 5.

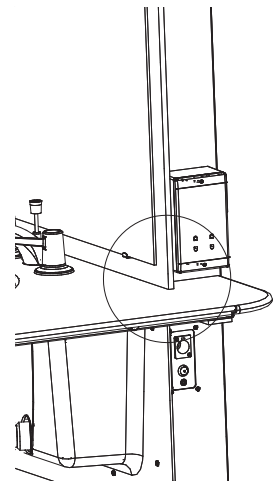


- Adjustments to the screw on the pop-up waste plug base and clamp for the rods may be necessary to ensure maximum lift of the waste plug. Access to the clamp may be gained through the large hole in the base of the white plastic lower cover

Fit the Trunking:



- The hot and cold supply hoses need to be enclosed within the white self adhesive trunking supplied.
 - Using the handset, raise the assembly to its highest position
 - Remove the capping from the front of the trunking.
 - Remove the protective film from the self adhesive tape fitted to the rear of the trunking.
 - Pass the trunking behind the hot and cold supply hoses taking care to ensure that the self adhesive tape is kept away from the wall at this time. The top of the trunking needs to be aligned with the recess in the bottom left hand side of the rise and fall unit; through which were passed the supply hoses earlier.
 - Using a level, ensure the trunking is vertical. Once aligned, press the self adhesive tape against the wall to secure the top of the trunking. Then press the entire length of the trunking into position.
 - Fit the capping.
- Fit the mirror:**
- Remove the two white plastic caps from above the top mirror clips and remove the screws.



- Place the bottom edge of the mirror into the lower catches and hold in a vertical position. Ensure the mirror is fitted centrally. Gently push the uppermost catches downwards into position such that they retain the mirror in its correct position. **Fit the 2 security screws .**
- **Test the unit:**
- Operate the handset to raise and lower the basin over the full range of travel to ensure there is clearance between all moving surfaces. Examine for evidence of leaks correct as necessary, examine and clean the assembly. Complete the warranty documentation and pass the completed warranty document to the client.

Troubleshooting

In the unlikely event that problems occur with the unit, carry out the following easy checks to determine whether or not an engineer is required.

- Fault:** The rise and fall unit does not travel up or down
Cause: The mains power supply has been disconnected for some time and the unit's batteries are now flat.
Remedy: Examine the light fitted to the right hand side of the unit. If the light is not illuminated neither mains electricity nor battery backup are supplying the unit. Examine the mains fuses/circuit breakers and reset as necessary and ensure that mains voltage is fully reconnected then press the reset button situated next to the handset connector. If the light fails to illuminate further assistance will be required
- Fault:** The rise and fall unit travels upwards but not downwards.
Cause: There is an obstruction underneath the basin or the microswitch is not engaged
Remedy: Depress the 'Up' button on the handset to gain clearance from the obstruction and then remove the obstruction. The rise & fall unit may then resume normal function. Check that the micro switch makes and breaks the safety circuit when the rim of the basin is lifted slightly.

If the problem persists after carrying out these remedies, please contact Astor-Bannerman using the details on the rear cover of this booklet.

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