



Height Adjustable Basin
ABW6

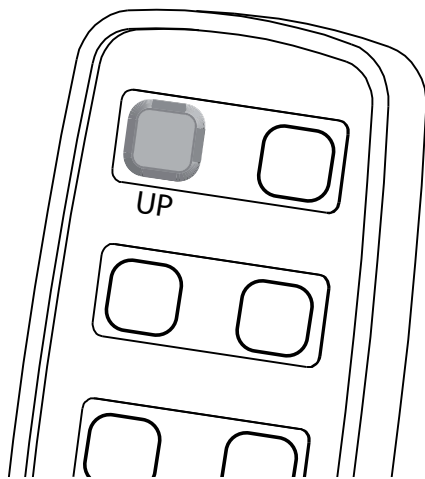
OWNERS MANUAL & INSTALLATION GUIDE



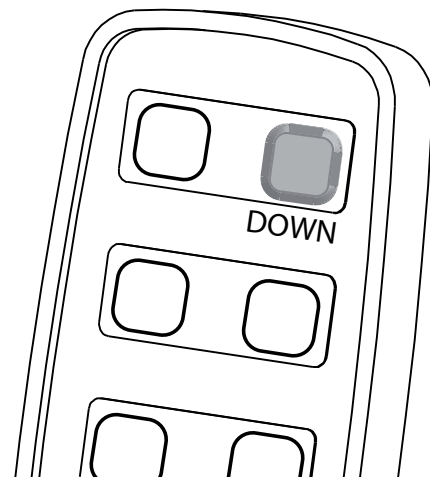
IMPORTANT
READ THIS
MANUAL
BEFORE USE

Warranty No

Operation



Press and hold button
to raise basin



Press and hold button
to lower basin

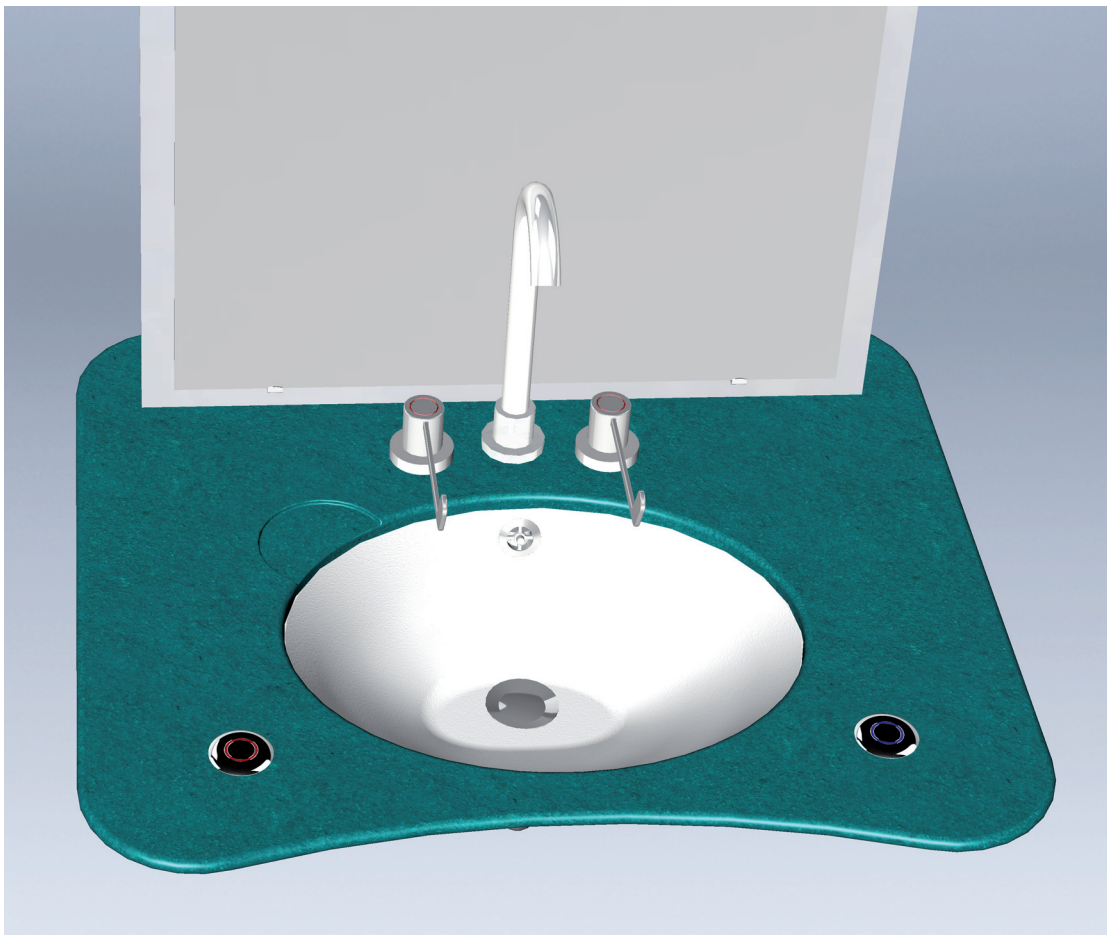
Operation of the lever tap system

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.

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**

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.



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.

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 green LED fitted to the right hand side of the unit. If the green LED 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 LED fails to illuminate an electrician needs to ensure that mains electrical supply is available at the fused spur (a fuse may have blown elsewhere in the circuit).

Fault: The rise and fall unit travels upwards but not downwards.
Cause: There is an obstruction underneath the basin.
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.

If the problem persists after carrying out these remedies, please contact Astor-Bannerman on the number on the back page:

Technical Specification.

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

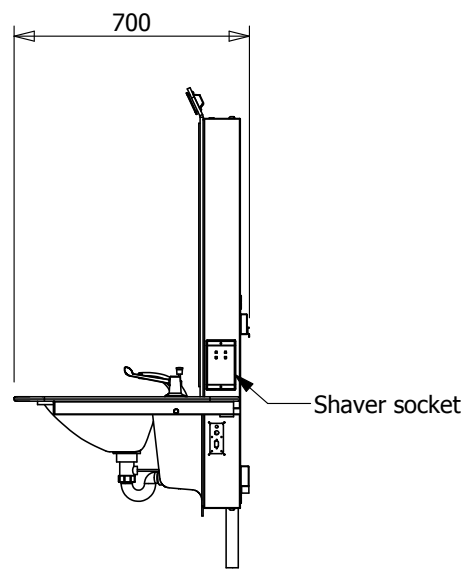
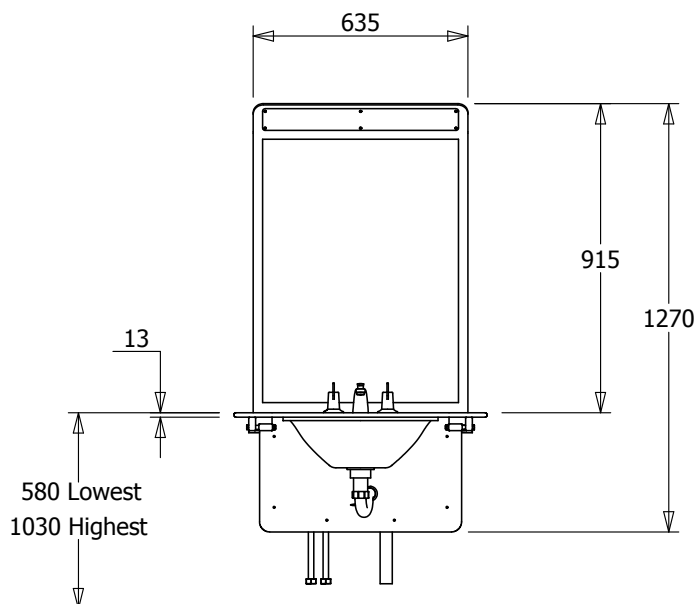
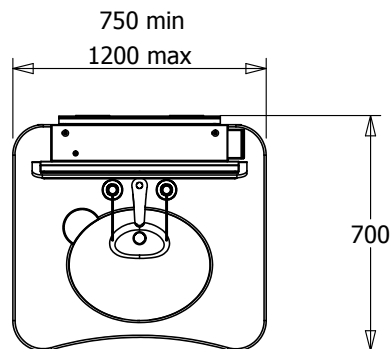
IP Rating: IP X4

Supply voltage: 230V ac

Power 0.25KW

Dry weights: 50Kg.

A weighted sound emission < 70dB(A)

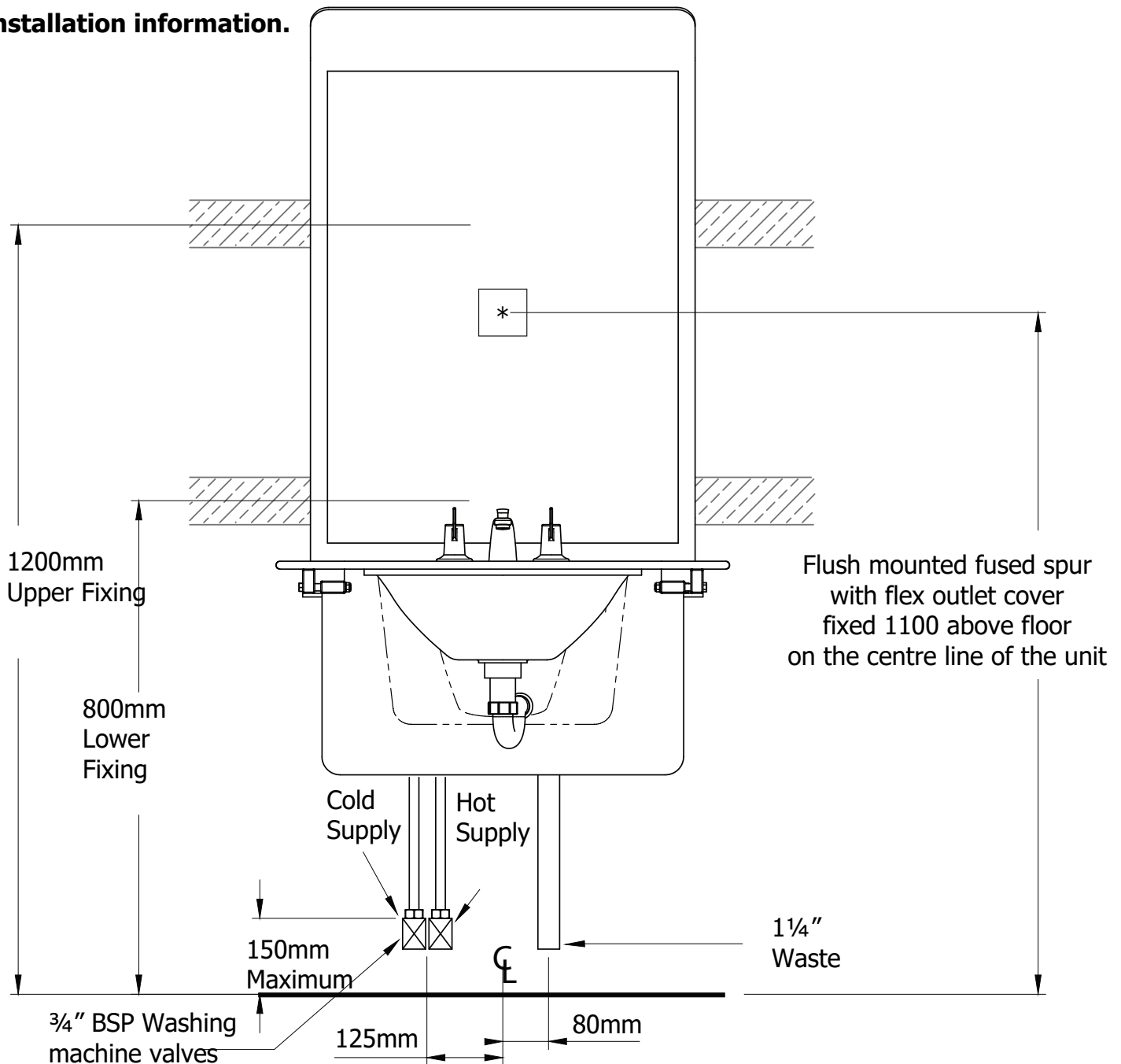


Contents of packages:

- 1 x rise and fall assembly.
- 1 x washbasin.
- 1 x flexible waste assembly; including waste plug.
- 1 x three hole mixer tap system.
- 2 x 95mm long 15mm copper pipe.
- 2 x 45mm long 15mm copper pipe.
- 2 x compression elbow 15mm
- 2 x 15mm straight couplings
- 2 x 1/2" x 15mm Tap adaptors
- 2 x lever tap handles.

- 2 x long braided hoses.
- 2 x fibre washers.
- 2 x screen filter seals.
- 1 x 470mm lipped attachment rail.
- 1 x grey 2 button handset.
- 6 x white plastic rivets.
- 1 x mirror.
- 1 x white self adhesive trunking, 75mm x 50mm.
- 1 x User manual

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.

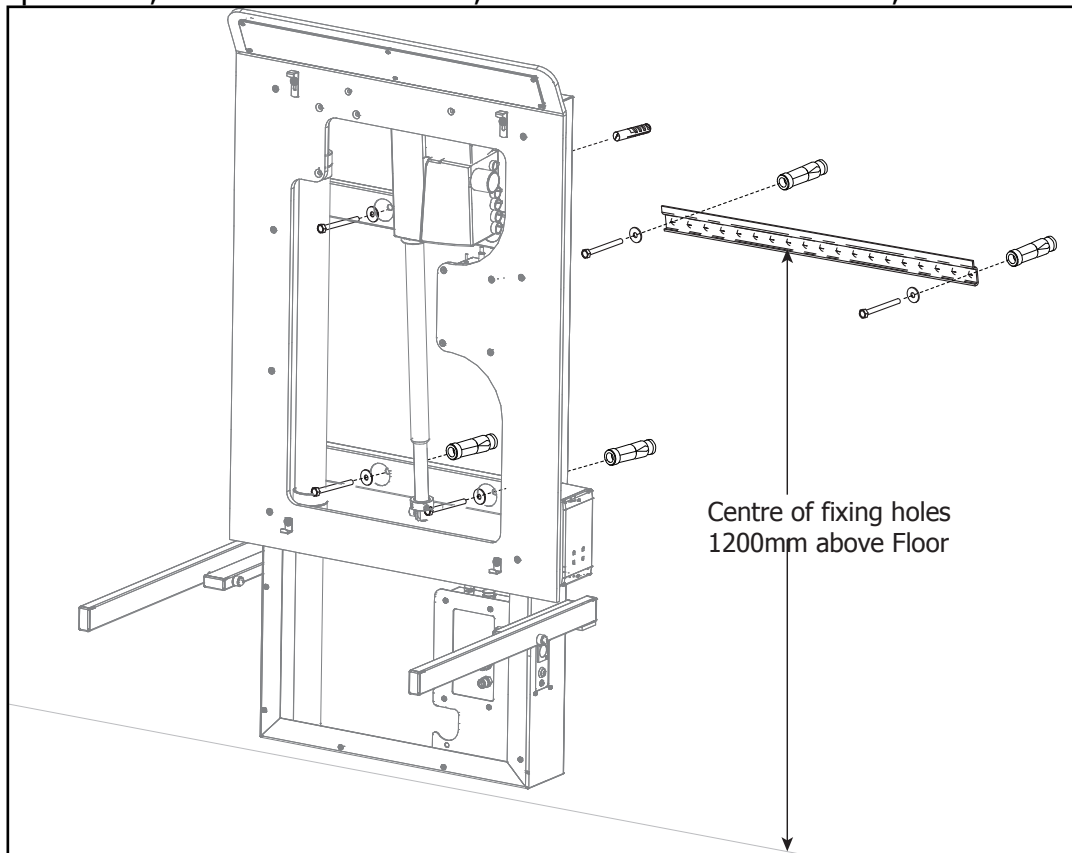
Fixing:

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, either side of the centre 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 6mm masonry bit, drill two full depth pilot holes at the marked positions and then open up in order to accept the anchor fixings.
- Fix the attachment rail, with the open lip uppermost onto the wall using two 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 two to accept Anchor fixings. Open the upper hole to 10mm to accept a plastic wall plug.
- Fit the fixings and the plug into the wall.
- Place the rise and fall unit back onto the wall-mounted rail. Fully fix the rise and fall unit to the wall using suitable fixings.

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

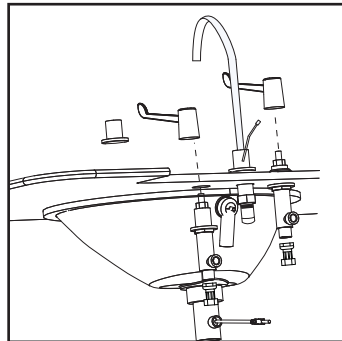
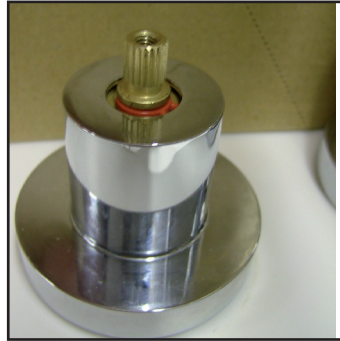
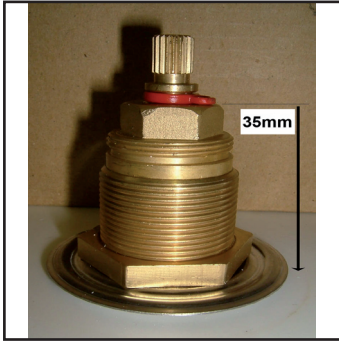
- Electrically connect the rise and fall unit to the fused outlet behind the unit using the three-core cable supplied. Ensure there is sufficient cable to allow the unit to rise and fall.
- Ensure the handset is fitted **BEFORE** switching the power on.
- Switch on the mains voltage, a light fitted next 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.

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.

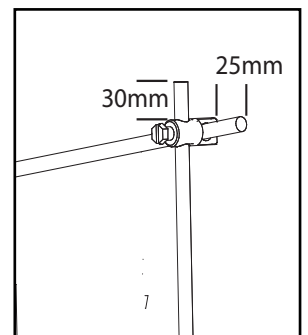


- Fit the overflow, hose and waste connection into the basin.
- Fit the tap bodies to the basin as shown. Ensure there is 35mm of threaded body showing above the basin deck to allow fitting the handle. Ensure the nylon washer is fitted under the handle screw to remove any clearance on the spline.
-
- Fit the spout in position and connect the flexible hoses as shown.
- Loosen the nut on the base of the spout, apply silicon lubricant to the waste plug operating rod and fit in position, retighten the nut. Make sure the rod can move freely.
- Using the adjusting screw, set the overall length of the basin plug to 77mm
- Stand the lower cover in place
- Fit the plug lifting rods in position and set the clamp to lift the plug.

• 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
-

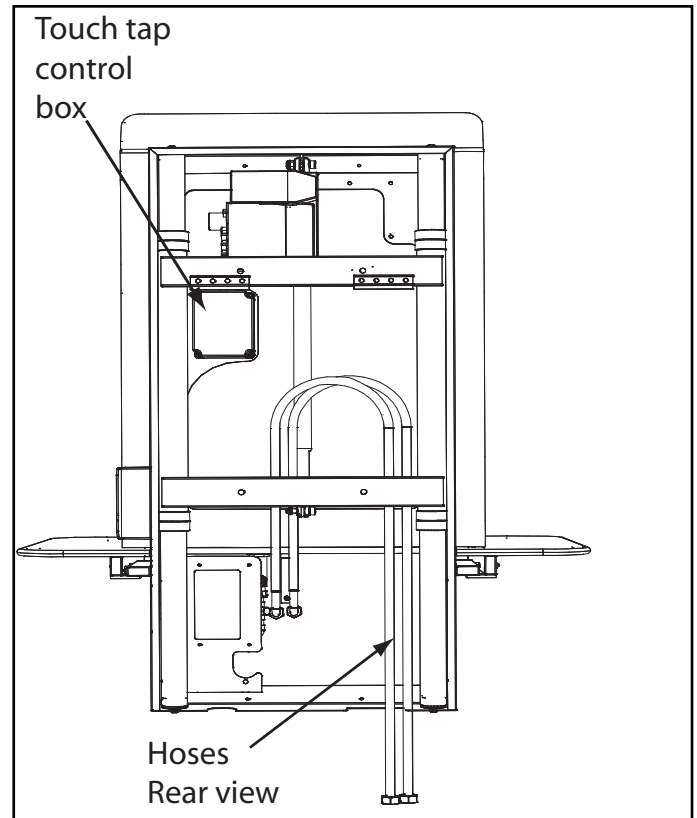
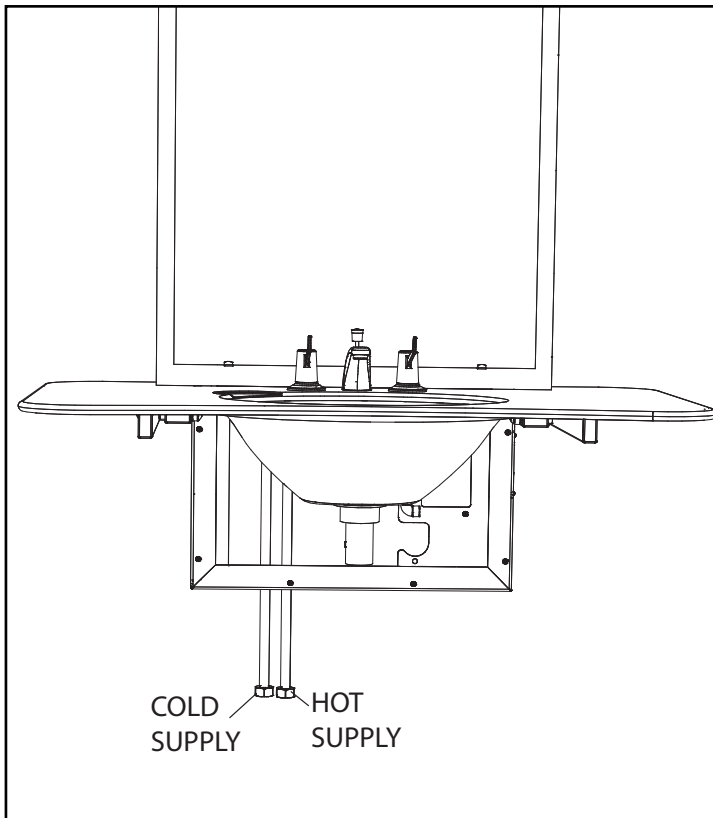


The basin assembly is now ready to be fitted to the high-low frame:

- 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.

Fit the tap levers:

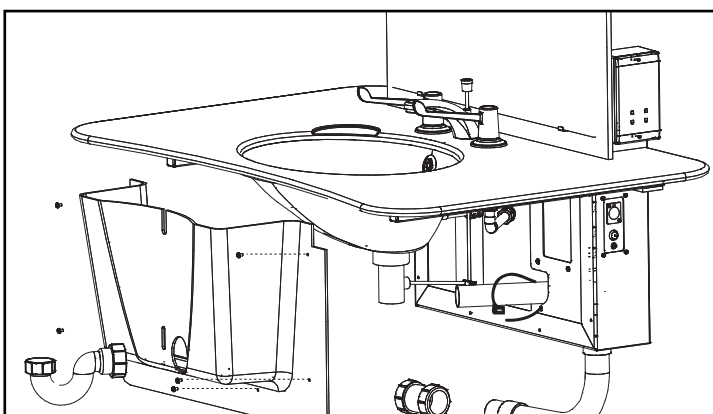
- Remove the handle caps, to reveal the fixing screws; fit the spline adaptors and levers to the tap bodies. Care should be taken to ensure that the lever assemblies do not foul the tap bodies. If a lever fouls the tap body, it needs to be adjusted. To do this, release the large brass nut on the underside of the basin, tighten the chrome ring fitted to the tap body until sufficient clearance is achieved. Once fully adjusted, re tighten the large brass nut.

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.

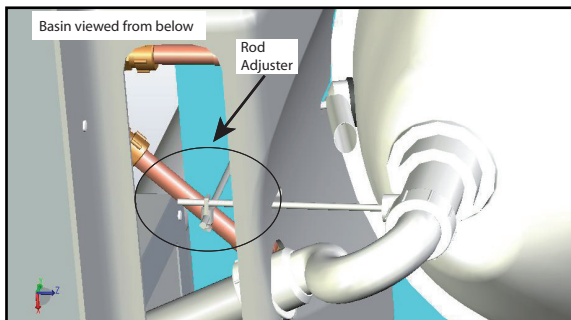
Fit the white plastic lower cover:

- 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 frame, leave the waste assembly in position secure with cable tie supplied.
- Fit the lower cover taking care to position it correctly
- Refit the rivet heads, push each of the mushroom portions of the white plastic rivets

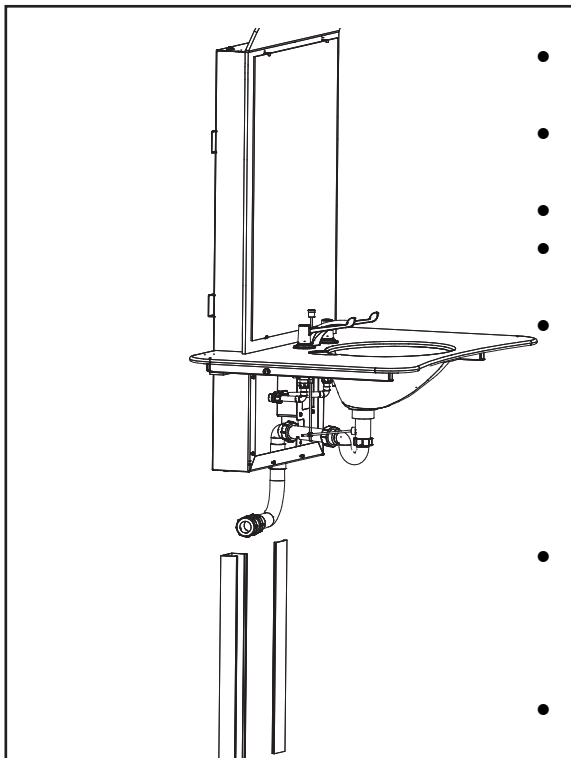


into the rivet body. This will require a firm push, the mushroom is fully seated once the base of the mushroom head is flush with the cover.

- If not already in place, fit the horizontal waste plug operating rod so that the opposite end from the ball passes through the lower slot in the plastic cover and then through the clamp on the vertical operating rod.
- Secure the horizontal rod by tightening the knurled nut onto the relevant fitting on the waste assembly fitted to the basin, do not over tighten.
- Working through the aperture in the base of the cover, support the waste assembly, fit the nut and seals fitted to 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. Secure the waste with a cable tie as shown in diagram on the previous page.



- 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 aperture 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.

© 2013 Astor Bannerman (Medical) Limited.

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

Astor Bannerman (Medical) Limited
Unit 11f Coln Park, Andoversford, Cheltenham, GL54 4HJ

E: sales@astorbannerman.co.uk

T: +44 (0)1242 820820

F: +44 (0)1242 821110

Technical Helpline - 01242 822972