

Atplas boundary boxes are designed to comply with the relevant aspects of BS5834. They are designed for conveyance of cold potable water only. No warranty is given nor liability accepted by Atplas for use for any other purpose, for failure to comply with these installation instructions, or for alterations made to the boxes. Atplas recommends the use of suitable protective clothing such as gloves, overalls, eye protection and safety footwear during installation.

1. The service should be flushed fully to avoid any debris entering the system before connecting the service pipes. Place the complete unit in an upright position, on firm even ground and connect the inlet and outlet pipe work. Avoid excess stress being placed on the connections. If necessary use additional fittings to align the pipes. The direction of flow is indicated by markings on the base.
2. Remove the sliding guard tube by unclipping from the bottom section, using the base as a foothold. To utilise the height adjustment feature, remove the guard tube (surface box attached) completely, turn it 180 degrees then reassemble. Ensure ratchet strip on the inner guard tube has engaged.
3. Adjust the sliding guard tube to the required height and level the surface box following the slope of the finished ground.
4. Backfill with granular material in suitably compacted 100mm layers to the bottom of the surface box frame. Note: where applicable reference should be made to the New Roads and Street Works Act 1991 and to HAUC regulations governing reinstatement as well as adhering to good general working practices.
5. Continue to backfill up to a level below the top of the surface box that allows for the top surface material thickness, compacting the backfill. Finish to the final surface level.

### **Fitting the water meter:**

1. Check that the inlet stopvalve is in the closed position.
2. Compress the piston to remove the transit tube.
3. Check that the flat washers are present, then engage the water meter on the inlet side, compressing the piston. When meter aligns with the outlet manifold bore, release piston to engage.

### **Disassembly of the inlet and outlet manifolds**

1. Check that the inlet stopvalve is in the closed position.
2. Disconnect the water meter by compressing the piston and removing the meter.
3. Remove the piston and its spring
4. Remove the rivets securing the manifolds
5. Turn the body of the inlet manifold a quarter turn clockwise and remove from bayonet. The system includes an automatic check valve which cuts off water flow upon removal of the inlet manifold.
6. To refit the manifold, reposition inside the bayonet. Push on the body of the manifold and make a quarter turn anticlockwise so that it locks in place.
7. The disassembly and refitting of the outlet manifold is done in the same way.