



10.4 Electrical Cartridge Securing

With the gas service isolation valve closed and with no demand from any external controls, fit the electrical cartridge into the interface housing, see diagram 10.4.

Secure with the two cartridge retaining screws provided in the cartridge body.

10.5 Electrical Connections - Testing

Carry out preliminary electrical system checks as below:

1. Test insulation resistance to earth of mains cables.
2. Test the earth continuity and short circuit of cables.
3. Test the polarity of the mains.

NOTE: if you require to test the appliance refer to section 13.

11 Commissioning

IMPORTANT: At the time of commissioning, complete all relevant sections of the Benchmark Checklist located in the inside back pages of this document.

11.1 Pre-filling the Heating Circuit

Do Not operate the boiler without water.

The commissioning should be carried out by a **competent person** approved at the time by the Health and Safety Executive and in accordance with the current issue of BS6798. Make sure that the system has been thoroughly flushed out with cold water and that all cleanser if used has been removed. With the gas service isolation valve closed, with no demand from any external controls and the power supply to the boiler switched off.

Test for gas tightness and purge air from the gas supply.

Refer to diagram 11.1

1. Ensure that the flexible hose is connected to the double check valve by tightening the knurled nut marked 'E'.
2. Ensure that the water isolation valves are securely tightened onto the jig blanking plugs.
3. Open the Central Heating Flow and Return isolation valves marked 'A' using a screwdriver or a 4mm allen key - slot in line with the axis of the isolation valves (shown closed in diagram).
4. Ensure ALL cold water taps are shut off then open the Domestic Cold Water isolation valve marked 'B' using a screwdriver or a 3mm allen key - slot in line with the axis of the isolation valve (shown closed in diagram).

NOTE: A manometer kit accessory, part no. 0020016995 is available to monitor system pressure during filling, this should be attached to the drain point connection marked 'C' and the drain point opened to enable a reading of the system pressure to be taken. If the manometer kit is not used caution should be taken not to overpressurise the system.