



Figure 20-3: Hydrostatic Test – Allowable Quantities of 'Make Up' Water

K. Notes on Test Equipment

The pressure gauge shall be calibrated, certified and to accurate to 0.1 bar. It shall be connected to the feed pipe work.

The small diameter test pipe work shall include a bleed valve at upper end of the pipeline and at all high points together with feed pipe work and valve at the lower end of the pipeline. The feed pipe work shall include a means of draining off the water in to a measuring cylinder that shall have a capacity of at least 2 litres capacity, graduated to 100 mls.

The Contractor shall also have a thermometer for air and water temperature measurement.

L. Differences in elevation

Care should be taken not to over pressure the lower end of the system during testing. Gauges should always be placed at the lower end of the length under test. As far as possible, the difference between the lower and upper end should be kept to one bar. It is recognized that this may not always be possible when longer lengths are being tested, or where the slope of the pipeline makes it impractical.

M. Test pressures at elevated temperature

Where the phase II pressure is within the pressure rating of the pipe and test temperatures are 30 °C or less no adjustment of test pressure is necessary.