

- shall be provided complete with isolating valve and flanged hose connection suitable for direct coupling of a flexible 2" hose.
- H. The vessel shall be supplied complete with sight glass(es) and associated fittings internal inspection port, manhole access, level control switches, pressure gauges and safety pressure relief valves.
 - I. Support legs shall be thick section equal angle incorporating drilled feet for levelling and bolting down of the vessel.
 - J. The Contractor shall supply two flanged entries for 20mm O.D. sight glasses on the vessel having a minimum viewing length of 600 mm. The liquid level should be uninterrupted over the length. The maximum operating pressure of the sight glass shall be higher than the design pressure of the vessel. In the event of glass failure the vessel shall remain pressurised.
 - K. The sight glass shall be provided with flanged bronze isolating valves complete with ball check and displacement device, to prevent loss of liquid upon gauge breakage, plus drain cock. Site glasses shall be sun protected.
 - L. The sight tube shall be protected with a stainless steel guard and all round polycarbonate protector. When necessary the sight glass shall be supported at the centre from the surge vessel side wall.
 - M. Where applicable, an elliptical inspection port approximately 320 x 220mm oval of the type that incorporates an internal "pull up" plate with self sealing joint tightened by exterior draw bolts on a port bar shall be provided in the cylindrical section of the surge vessel below top water level.
 - N. A man access hole of not less than 600mm internal diameter shall be provided in the cylindrical section of the vessel to permit access from ground level. This shall be covered with a suitable flange which shall be bolted onto a fabricated flange on the manhole.
 - O. The man access flange cover shall be provided with a lifting swing davit which shall incorporate a lifting screw, so that the whole flange cover may be lifted up and then swung out from the entry port. The davit may be fabricated onto the cylindrical wall of the vessel.
 - P. Service points shall be provided, four of these points shall be drilled and tapped entries for level control switches, a further drilled and tapped entry shall be required for the supply air and pressure gauge line and one other entry point shall