

## **SPECIFICATIONS**

### **Closed Expansion Tank**

The closed expansion tank will be of carbon steel construction with interchangeable synthetic rubber membrane. The expansion tank shall be complete with safety relief valve and pressure gauge.

The tank will be of pressure rating to suit the system pressure and will be sized to adequately compensate for water expansion due to operating temperature variations. The tank shall be fabricated as per IS 2825-1969 for “*non-fired pressure vessels*” and the flanges shall be as per IS 6392-1971.

For chilled water application, it will be insulated with 50mm thick insulation to the specifications and cladded with 26G-aluminium cladding.

The expansion tank shall be supplied along with pressurization unit. The pressurization unit shall consist of two nos. (1 working + 1 stand-by) high pressure pumps of suitable pressure rating mounted on M.S. frame, complete with interconnecting piping, isolation valves, NRV, Y-strainer, pressure gauge, pressure transmitter, auto-logic panel (IP 55) with dry-run protection, electrical MCB and interconnecting wiring.

The unit shall be housed in powder-painted canopy suitable for external installation, if required.

### **Air Separators**

The centrifugal air - separator will be of carbon steel construction with flanged connections. The air separator will be adequately sized to achieve maximum air-separation. It will be provided with a high capacity super-vent at the top. The shell shall be fabricated as per IS 2825-1969 for “*non-fired pressure vessels*” and the flanges shall be as per IS 6392-1971.

For chilled water application, it will be insulated with 50 mm thick insulation to the specifications and cladded with 26G-aluminium cladding.