

## Water distillation Plant (Automatic model)

- Provide distilled water at the rate of 40 Liters/hour (as two sub-units of 20 Liters/hr).
- Capable of continuous operation for 8 hrs.
- Closed circuit circulation of cooling water (used for condensation of the steam) via Chiller and two heat exchangers.

### Working Principle

Distillation of water occurs in several steps .Municipal or tab water should be automatically fed into the distilled units boiling chamber .A heating element in the boiling chamber heats the water until it boils. The steam rises from the boiling chamber. Volatile contaminants (gases) should be discharged through a built in vent. Minerals and salts are retained in the boiling chamber as hard deposit or scale. The steam enters in a coiled tube (condenser), which is cooled by cool water. Water droplets form as condensation occurs. This condensed water is collected in a storage tank.

