

Product Name :
Water Distillation Table Metal**Product Code :**
ALABS-A115-001**Description :****Water Distillation Table Metal**

Water distillers produce highly treated and disinfected water for laboratory usage. The distillation process removes minerals and microbiological contaminants and can reduce levels of chemical contaminants.

Water distillers are neither intended to treat water that is visually contaminated nor intended to convert waste water to safe, microbiologically.

Working principal

A water distiller works by boiling water into water vapour, condensing it and then returning it to its liquid state. It is collected in a storage container.

The process occurs in several steps:

- Municipal or well water is manually or automatically fed into the distiller unit's 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) are discharged through a built-in vent. Minerals and salts are retained in the boiling chamber as hard deposits or scale.
- The steam enters a coiled tube (condenser), which is cooled by cool water.
- Water droplets form as condensation occurs.
- The distilled water is collected in a storage tank. If the unit is an automatic model, it is set to operate to fill the storage tank.

Construction details:

A free standing unit capable of producing pyrogen free distilled water as per IP/BP standards .All contact parts are made of stainless steel mounted on a sturdy MS tubular stand

Standard Capacity:

Capacity/Hr

Output Load

KW

Power Requirements: To work on 220/230Volts, 50 Hz single phase AC supply.



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