

Models:
ACM-54092-W

Water Distillation Unit - Metal (Table Model)

WEIBER®

Produce Highly Treated
& Disinfected Water
For Laboratory Usage

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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 Principle

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.

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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

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

Capacity/Hr	Output Load
2 ltr	2.0 KW
4 ltr	4.0 KW
6 ltr	6.0 KW
10 ltr	10.0 KW
20 ltr	15.0 KW
50 ltr	25.0 KW
100 ltr	50.0 KW
200 ltr	72.0 KW
400 ltr	130.0 KW
600 ltr	200.0 KW

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