



Water distiller DE-50

Purpose: The device is designed for production of distilled water by heating of raw water to boiling with subsequent condensation of the generated steam resulting in the distillate with a temperature from +50°C.

The electrical conductivity of distilled water: < 3,5 μS/cm

Design features:

- A body and main parts are made of high-alloy stainless steel AISI 321 / 304.
- Type of heating elements – electrodes which ensure the reliability of the distiller operation in case of scale formation. Unlike tubular electric heaters the electrodes do not blow out because of scale deposits.
- Steam is cleaned from raw water droplets by a special unit.
- Automatic control of the water level in the evaporation chamber.
- Tubular condenser.
- Separate water supply circuits allow separate water feeding for evaporation and cooling.
- Cooled and purified water from the technological water circulation system (if available) can be used for distillate cooling.
- Demountable design of the condensation chamber for visual monitoring of scale formation, easy sediment cleaning, easy maintenance and repair.
- A distiller can be combined with a purified water tank into an automatically operating single system.
- Lifetime: at least 8 years, warranty period: 14 months, MTBF (Mean time between failures): at least 3,500 hours

Safety system:

- Automatic maintenance of water amount used for evaporation.
- Automatic shutdown of the heating elements – electrodes if the water level in the evaporation chamber drops below the allowable level.
- Automatic shutdown of the distiller (tubular electric heaters) when the water storage tank is full.



Characteristics of electric water distiller DE-50

Parameters	DE-50
Productivity, liters per 1 hour	50 (-10%)
Voltage	380 (±10%)
Electricity	AC three-phase 50 Hz
Power consumption, KW	30
Consumption of raw water, liters per 1 hour	360 (±10%)
Overall dimensions (L×W×H), mm	560×420×1100
Weight, kg	43