



## Reagent grade water generation systems UPVA-15

**Purpose:** The system is designed for production of ultra pure non-pyrogenic reagent grade water (**type II**) with a very low content of inorganic, organic or colloidal contaminants.

**The electrical conductivity of distilled water: 0,8-1,0  $\mu\text{S/cm}$**

### Design features:

- Multi-stage cleaning system.
- Low consumption of water and electricity.
- A body and main parts are made of high-alloy stainless steel AISI 321 / 304.
- Automatic control of the water level in the evaporation chamber.
- A built-in cooler chills bi-distillate to a maximum temperature of +40°C.
- Demountable design of condensation chambers allows visual monitoring of scale formation, easy sediment cleaning, easy maintenance and repair.
- UPVA 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 tubular electric heater if the water level in the evaporation chamber drops below the allowable level.
- Automatic shutdown of the UPVA (tubular electric heaters) when the water storage tank is full.



## Characteristics of UPVA-15

Parameters	UPVA-15
<b>Productivity, liters per 1 hour</b>	15 (-10%)
<b>Voltage</b>	380 V (50 Hz)
<b>Power consumption, KW</b>	9,1
<b>Consumption of raw water, l per 1 h</b>	110 ( $\pm 10\%$ )
<b>Overall dimensions (L×W×H), mm</b>	550×500×625
<b>Weight, kg</b>	39