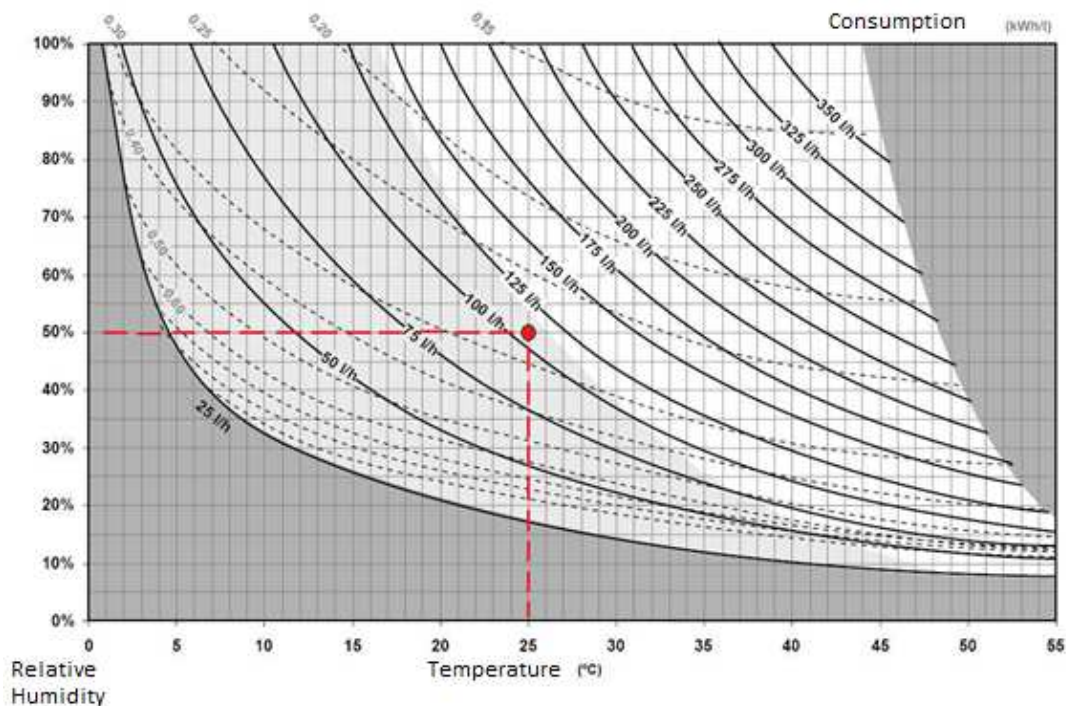


Production and energy cost

The production capacity of our equipment is linked to environment conditions. That is, in an environment warm and wet, with a higher content of water vapor, the production capacity is greater than in a dry place.

The following diagram shows the production capacity in different conditions of temperature and humidity as well as the cost of electricity per liter of water produced.



Production capacity and energy consumption by AQ5000.

For example, as shown the red mark, we see that with 50% RH and 25 degrees AQ5000 can obtain more than 100 liters per hour with a 0.26 kWh per liter.

Also the diagram shows the wide operating range of temperatures from 5°C to 55°C and humidity from 20 %HR to 99 %HR. This was a challenge in equipment design. It works in really hot environments according to the needs of the geographic markets.

Warm coastal areas with high humidity are considered as a potential market, usually above 40% and temperatures exceeded 20 °C. For example, with 70% RH and 35 degrees we could obtain more than 5.000 liters (225 l/h x 24 h) per day with electrical consumption near to 0.2 kWh per liter.