



Factors effecting evaporation

- Humidity
- Temperature
- Wind
- Elevation
- Make up of solution to be evaporated

All of the above factors will affect your standard pan evaporation rate at your site.

The standard pan evaporation is the single measurable item we use to calculate the estimated efficiency of our Turbomist evaporators because it takes all the above factors into account and by consistent use of this measure we have been successful in designing a conversion chart that allows anyone, with the pan evap rates for their site, to confidentially predict the outcome, that is the % of evaporation the Turbomist will obtain at their site, thus enable them to determine how many units will be needed to eliminate their goal.

Turbomist Evaporator Productivity

Each evaporator will pump aloft a constant volume depending upon the pressure of the pump and the type of nozzles utilized. You, the customer may change nozzles, however our standard and recommended nozzle set-up will generate a total of 66 gallons per minute using either the Teflon or Stainless Steel water atomizer if the pump produces 100 psi and a volume of 80 Gallons per minute if it produces 150 psi.

This volume pumped will be multiplied by the % of efficiency calculated using the net pan evaporation rates for the site, based upon the conversion graph we supply on this site.

With the net pan evaporation rates of your site, we can tell you how much waste water one unit will eliminate and how many units you will need to eliminate your specific goal, which may be a specific number of gallons per minute inflow or to completely drain a pond.

PRODUCTIVITY GUARANTEES

Slimline Manufacturing Ltd does not offer a guarantee, this is because the results will vary from year to year, normally the estimate offered is based upon historic rates, that is an average of up to 70 years, in a dry year the unit will over perform, in a wet year the results will be less. If you were to run the equipment for a number of years, the average of those years would exceed our estimate in all likelihood, due to the fact; our figures are very conservative to insure a happy client base, whom we utilize for future sales