



GREENHOUSE AND GARDEN CENTER

TecnoCooling systems are used with enormous advantages to keep the right climate inside greenhouses of any dimension.

Misting systems (or Fog systems) play an important role in the greenhouse climatic control. TecnoCooling systems are also used with enormous advantages to keep the right temperature and humidity in the environment, under conditions of forced or natural ventilation.

In summertime the quick evaporation of the fog will cool the greenhouse due to the principle of evaporative cooling, meanwhile it humidifies the environment in case of low relative humidity.

During the wintertime the system keeps the correct humidity rate preventing the dehydration of the crops caused by heating systems.

The environment produced by our system is appropriate for the most delicate crops (ex. the growing of young seedlings, the cultivation of tropical plants and in bloom plants) where it is not possible to use traditional spraying methods like standard spraying.



TecnoCooling fog system works on a pressure of 1000 PSI (70 Bar) and it is designed to produce water droplets smaller than 5-10 microns diameter that, for their dwarfish size remains suspended in the air for a long time producing the fog effect.



A modern fogging system that is an ideal way to apply nutrients, fertilizers etc and a perfect way to create the perfect environment.



BENEFITS

The consequential benefits from the implement of fog systems in greenhouses can be resumed as follows:

- Increased general productivity of the greenhouse
- Speeds up plants growth
- Keeping of constant humidity levels
- Less humidity need
- The correct micro-climate in any season
- Lower water consumption for the irrigation
- Less shading needed
- Growing of a reproduction plants stock in the greenhouse
- Suitable for chemical spreading (fertilizers, insecticides)

Typically all growers have the problem of low humidity and high temperatures. Serious problems occur when the humidity in the greenhouse environment drops below 30% RH. Plants will suffer and typically slow or halt the growing process.

In fact, many greenhouses in arid conditions close down for the summer months until ambient temperatures will reduce to an acceptable level.

LOW COST SYSTEMS

Very low cost of our systems are an important aspect of misting in greenhouse, if compared to other solutions for the climate control. The energy costs are low, simple and fast installations, considering that the systems are supplied in various solutions or D-I-Y Kits, or by the simple solutions of quick couplings. TecnoCooling systems are designed to operate with very low costs and with a minimum maintenance.

TOTAL CONTROL

TecnoCooling systems also supply any electronically controlled task thanks to special devices like thermostats, hygrometers and remote timers.

