

Introduction to Adiabatic cooling system

Maniks has discovered an Adiabatic Cooling System (water spray system) for the purpose of green houses. Adiabatic Cooling System controls the temperature of the green house automatically with the help of sensors by sprinkling the water over it.

Pune, Jul 19, 2019 ([IssueWire.com](http://www.IssueWire.com)) - Maniks has discovered an [Adiabatic Cooling System](#) (water spray system) for the purpose of greenhouses. Adiabatic Cooling System controls the temperature of the green house automatically with the help of sensors by sprinkling the water over it.

What is Adiabatic Process?

It is the process of reducing heat energy with the help of conventional natural methods like a sprinkling of water to maintain the temperature. It is a very classic methodology initially used by Roman, Australian, Chinese and Persian Societies. The concept comes from the vanish air conditioning systems at homes where water is added to a pad or rooftop through which air is pinched into reducing the temperature. Because of which we want to obtain lower heat at the input which will reduce the energy costs converting the air to the required temperature.

Advantages of Adiabatic Cooling System

The adiabatic cooling system provides the best temperature control with the following advantages

- * In adiabatic cooling system Temperature control is carried out without human interactions
- * Preserves more energy as compared to conventional systems
- * Adiabatic cooling system is a very economical and user-friendly device
- * Audotive temperature control of greenhouses is possible by the adiabatic cooling process without human interaction.
- * In adiabatic cooling system Econet has been fitted to units worldwide where its licensed water splash innovation has gone with numerical organizations to let their vitality power with insignificant endeavours. The framework once fitted is essentially supported free.
- * [Econet](#) uses the age-old adiabatic cooling principle and an 'ambient controller' to reduce the temperature of the air before it is drawn into the heat rejection coil of an air conditioner, reducing the temperature at the input to lower energy costs.
- It offers you the best pre-cooling. With electricity costs on the rise, investment in an Econet System will have a quick payback period – less than one cooling season.
- * In adiabatic cooling system water consumption is minimized as the spray is intermittent and only activated when required, hence it uses up to 79% less water than any other wet system. With no reservoir and large droplet size, there is no chemical treatment required and no health risks.
- It can be reconstructed to make any size and shape of air conditioning and refrigeration unit, (mini-split, air-cooled chiller, rooftop unit) without affecting warranty.

* Adiabatic cooling system is highly cost-effective, the system is easy to install, and is sold as a kit to suit the application.

Applications of Adiabatic Cooling System

Because of ease of installation and automatic control on temperature adiabatic cooling system is used in a variety of applications some of them are listed below

- * AC condensers and dry cooling applications
- * Air conditioning applications
- * Refrigeration systems
- * Greenhouses
- * Adiabatic cooling system is used in Unitary also

For more details: <http://www.maniks.com>

Media Contact

exltech

hr.poojakulkarni@gmail.com

7410077317

pune

Source : maniks

See on IssueWire : <https://www.issuewire.com/introduction-to-adiabatic-cooling-system-1639481618782131>