Non-wetting Cooling

Cooling & humidity control enhances photosynthesis

Semi-Dry Fog®
Cooling/Humidification system CoolPescon® CH

Features of the System

Finer fog than a mist-cooler. Semi-Dry Fog® cools and humidifies crops without wetting them.

Fine water droplets adhere to leaves and downy hairs on growing points of crops, but they quickly evaporate for cooling and humidification without wetting the ground.

Coarse fog drops adhering to leaves don’t evaporate well. They merge with other drops, become even larger, and fall to the ground with little evaporation, resulting in a waste of water.
System Configuration

The nozzle headers, spraying Semi-Dry Fog®, provide broad and even cooling and humidification in the greenhouse. Better suited for shorter crops such as strawberries and leafy vegetables.

System Equipment

Spray headers (with nozzles)

Exhausting warm air

Outside air

High-pressure hoses

Return hose

Power cable

Signal lines

Spray headers (nozzle and header)

Stainless steel type

Peripherals

High-pressure pump

Controller

Temperature & RH sensor

For details or inquiries please feel free to contact a sales office or mail us at overseas@kirinoikeuchi.co.jp.

Headquarters

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