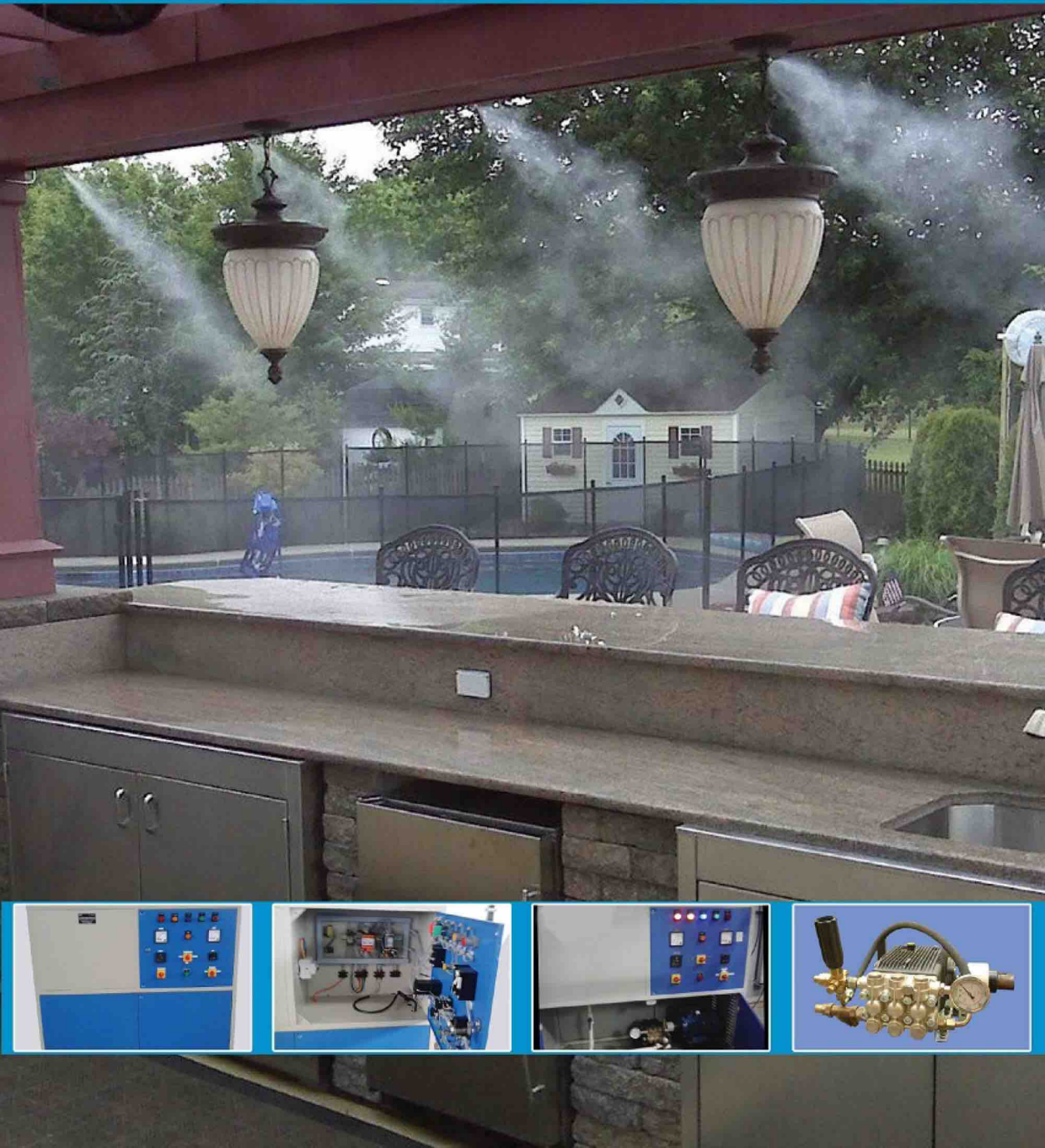


ME Magna Engineers
Humidification

Commercial Cooling



Commercial Cooling

The problems in outside patio areas are "un-saleable" and not used in the summer. Hydromist outdoors cooling systems have proven to be a strong revenue-producing factor for hotels, resorts, restaurants and concession areas. Outside areas have been turned into comfortable retreats. Hotel guests are drawn from their rooms, boosting revenues and saving on room air conditioning costs. Once attracted, customers stay longer and spend more time!

Hydromist High pressure Mist Cooling is one of the most effective, and efficient, methods available for cooling open outdoor areas. Cloudburst systems have been used world wide for cooling hotels and resorts, restaurant and bar outdoor seating, backyards and patios, as well as event cooling and sports sidelines. They are also used in a multitude of harsh industrial, construction, manufacturing and agricultural settings for climate control, humidification and dust suppression applications. Mist Cooling works by forcing water through specially designed misting nozzles to create a fog of ultra fine water droplets. A common misconception is that misting is meant to get you all wet to cool you off. Rather, the tiny droplets or fog, quickly evaporate, cooling the surrounding air. Properly designed, a mist cooling system will work with prevailing winds and air movement, and are often combined with High pressure pumps to move mist or cooled air into the cooled zones.

Features:

High pressure fog systems can provide solutions to a variety of environmental conditions. Most commonly used as an outdoor cooling system, properly designed and installed fog systems can increase the comfort level for almost any outdoor climate requiring temperature reductions. A fog system can drop outdoor temperatures by up to 30 degrees Fahrenheit. In industrial applications, this can dramatically improve the operation of a cattle, poultry, or dairy farm. To further enhance the cooling effect, high velocity fog can be included in the system design. For remote cooling capability or for large open areas, fog with axial fans for air circulation is mandatory.

"Hydromist" Pump with no overheating system

Brand "Hydromist" Pumps"

Ceramic piston pump

All pumps are TUV approval

All pumps are CE approval

Working pressure: 70 - 100 Bar

Pumps with adjustable pressure

Low Revolution motor (<1000 rpm)

"H" class motor

Solenoid valve pressure release

High pressure solenoid valve

Water flow control valve

Overload protector

Single phase preventer

Digital cycling timer

Radio frequency Remote control

Humidity controller

Temperature monitor

RS 485 controller

Built in 25 liters water tank

Low noise level: < 55 db

Control panel - PLC/ Standard

One of the newest applications for a high pressure fog system is for special effects landscaping. We had introduced the fog concept into a landscape project. The unique environment that is created can turn a basic landscape into a dramatic tropical scene while providing residual cooling throughout the area. By placing the fog around the landscape area, in a fountain, or in a pool water feature, the ordinary is transformed into the extraordinary.

Area of Application

- Out Door Cooling
- Swimming Pool Patio Misting
- Special Effects Theme Park

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