



**COOLING  
YOUR  
WORLD**



 **COOL ZONE<sup>®</sup> USA**



# SMART SOLUTIONS THAT KEEP THINGS COOL



Anywhere that gets too hot for comfort is the right place for a Cool Zone system.

From the patio of a desert restaurant or home to heat-producing factories and dust-laden sites, Cool Zone can reduce the heat while suppressing dust. And it's just as effective when dry air needs a boost of humidity. That makes it the ideal humidification system for greenhouses, packing facilities, breweries and wine cellars.

Since each Cool Zone system is custom engineered, each system is configured to suit the application. For some, this will mean both fog and fans. For others, aspirated fog alone will get the job done. And since our system operates on minimal electrical power, it can be used in situations where traditional air conditioning would be cost-prohibitive.

## THIS IS A COOL ZONE WORK ZONE



- ✦ *Odor control & animal/livestock cooling*
- ✦ *Commercial locations and restaurants*
- ✦ *Theme and amusement parks (including inflatable and structural Cool Zones)*
- ✦ *Plants, factories and greenhouses*
- ✦ *Dust suppression*
- ✦ *Equipment cooling*
- ✦ *Residential patios*
- ✦ *Special effects fog*

**HEAT REDUCTION** From the natural heat of a sunny day to the sweltering heat inside a factory, Cool Zone systems bring the temperature down.

**DUST SUPPRESSION** Whether it's the particles created in a paper mill or the natural dust of cattle farms and racetracks, Cool Zone's ultra fine fog traps dust without ever wetting materials or the ground.

**ODOR NEUTRALIZATION** Anywhere that odor is a problem, Cool Zone systems can provide a low-cost, low maintenance solution. The system is programmable for up to 24 hours, and the non-electric, proportional injector accurately delivers natural neutralizers at the required rate.

**HUMIDITY MANAGEMENT** Meat, fish, produce, wine and beer all do best when kept at the proper humidity level. Cool Zone lets you maintain ideal humidity even as temperatures change.

**CLIMATE CONTROL** Create nearly ideal greenhouse conditions with Cool Zone. Along with reduced heat and increased humidity, there is less need for shading, increasing light levels and quality.

# POWERED BY NATURE. EFFICIENT BY DESIGN.

When water changes to vapor, it absorbs heat. Cool Zone USA® has harnessed that natural process to create the most effective cooling system in the market today. This patented flash evaporation technology can reduce the temperature dramatically—*lowering it up to 35°F*—even in extreme humidity.

Cool Zone pumps offer the greatest water pressure —1,000 psi. Other systems generally run on a weaker powerwasher pump or a just standard running water pressure.

Cool Zone nozzles produce the finest mist. For pollution and dust control, they are more effective than cyclone suppression systems and operate at substantially lower cost than bag houses.

Cool Zone units draw from a fresh water supply. This eliminates the health and safety concerns common to “Swamp Coolers,” which recirculate water that may harbor pollutants or bacteria.

Cool Zone air flows freely through the fan blades. This means none of the clogging problems common in dusty environments using evaporative cooler pads.

Cool Zone static line systems offer fan-free operation. For outdoor cooling, as well as for certain dust and odor concerns, static line fog nozzle systems can be engineered to do the job without fans.

Cool Zone systems are made to run 24/7. Heavy-duty and American made, they're easy to operate.

Cool Zone is ready to use in minutes. Since all systems are delivered fully assembled, all it takes is a water supply and electricity to begin cooling. For complete portability, all fan units are on solid rubber wheels

Cool Zone can handle remote sites. When you don't have the luxury of electricity, bring in a Cool Zone self-contained Trailer Unit. With its own generator, all you add is water.

## HOW THE COOL ZONE SYSTEM WORKS

Cool Zone USA's patented air aspirated fog technology incorporates a high pressure (1,000 psi) pumping module and impeller driven fog nozzle to produce ultra fine droplets of water, 10 microns or smaller. When this fog is circulated using high velocity air, efficient flash evaporation of the small water droplets occurs. The evaporating water picks up heat, dropping temperature significantly--without wetting personnel, materials or equipment.



**Powder-coated #316 stainless steel rings**

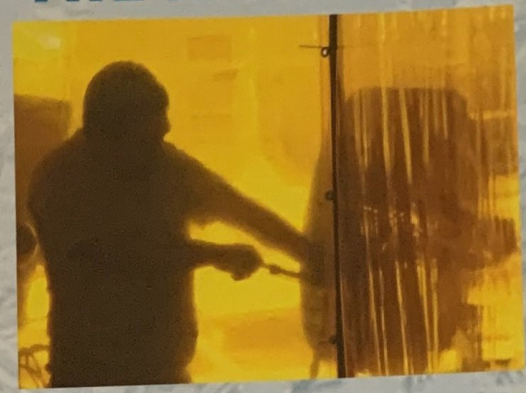
**Powered by industrial pump at 1,000 psi**

**Staged fogging with stainless steel valves**

**Tough plastic safety shroud**

270-6610  
**COOL ZONE**  
USA

# WE ENGINEERED THE MOST IN SO YOU CAN GET THE MOST OUT



## INDUSTRIAL

The most effective, efficient systems ever built to fight heat stress, Cool Zone can create a system for virtually any facility. Process Cooling times can be dramatically reduced for castings or other hot items. Due to the fog's evaporative cooling effect and boundary layer disturbances, this system greatly enhances heat transfer.

## PROMOTIONAL

Cool Zone's fogging system, coupled with inflatable pavilions, provide cooling relief at county fairs, outdoor concerts, food festivals. These easily erected systems cool people at close range. Anywhere people gather in the heat, Cool Zone can provide a promotional vehicle that also gives welcome relief. The Coca-Cola® Cool Zones®, in Six-Flags and Paramount Parks, are themed to their surroundings. These cooling oases, with a bank of vending machines, have resulted in substantial sales increases for Coca-Cola® products.

## SPORTS

On the field or in the pits, Cool Zone is in play. For football and NASCAR, it's the choice of the pros – used at the Super Bowl, the Pro Bowl, and on the Winston Cup Circuit. Keep personnel and very sophisticated machinery cool, without any damaging wetness.

## COMMERCIAL/RESIDENTIAL

Hot summer temperatures around hotel pools or on restaurant and residential patios can be made comfortable, profitable and enjoyable with Cool Zone Static Line Systems and/or patio fog fans. Let Cool Zone Systems increase your ROI if you are a business or your living space if you are a homeowner. We do make summers better.

**Planning a summer event and want to keep your guests cool?**  
Ask about our portable fan cooling units to keep everybody comfortable.





# **These companies think we're the coolest**

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**Alcoa**

**General Electric**

**Champion International**

**Chevron Chemical**

**Florida Power & Light**

**Ford (Glass Plant)**

**International paper**

**Goodyear Tire & Rubber**

**Harrah's**

**Hyatt Hotels**

**Temple Inland**

**Toyota**

**3M Company**

**U.S. Military**

**Weyerhaeuser**

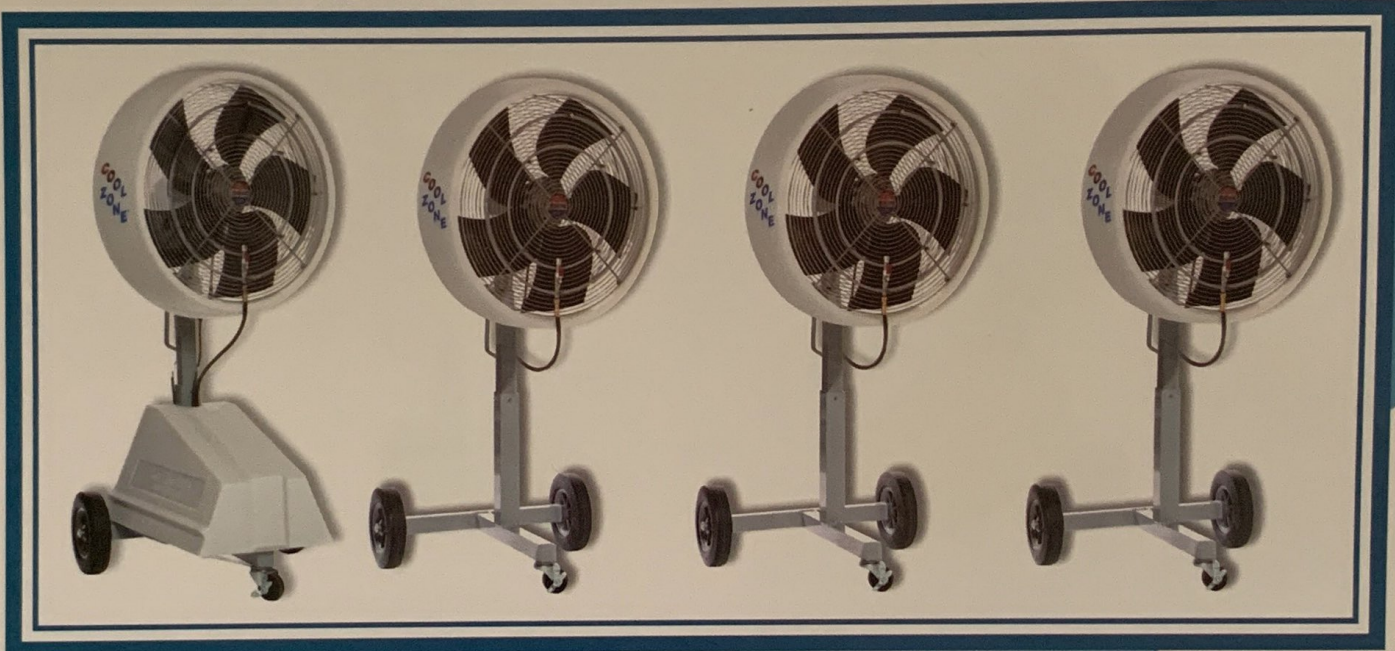
**And hundreds of others...**



# COOL ZONE<sup>®</sup> USA

Leaders in Heat Stress Relief

## COMMERCIAL MASTER FOG FAN HEAT STRESS RELIEF STATION



(Master Unit With 3 Satellites)

Temperature reductions of up to 35 degrees! **WITHOUT WETTING!!**  
Our units are versatile, reliable, portable, expandable and very low maintenance! Units are constructed to the highest quality industrial standards. Multi-stage fog face and air aspiration allows for cooling even in humid conditions. Available in a wide range of colors and in (2) different capacities!

### SPECIFICATIONS

Fan Diameter: 24"/9,600/6,500/4,000 CFM

1000 PSI Pumping Unit

Water Usage Maximum: 12 Gal. Per Hour.

60 HZ Standard, 50 HZ Available

Two Stages of Fog (Four Nozzles ea. Ring)

Dual Inlet Water Filtration (10" 5 & 10 Micron)

Low Inlet Water Pressure Cut Off Switch (Protects Pump From Running Dry)

Inlet Water Connection Via a Standard Garden Hose

Adjustable Height: 59" to 70"

Inlet Water Req.: 20 PSI of Potable Water

Power Req.: 115V/16AMP, 230V/8AMP

Pumps Utilize 1/2 HP TEFC Motors

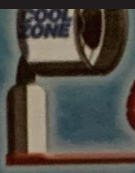
Fan is 1/2 HP ● Speed and Oscillates 90 deg.

(2) 1 Year Limited Warranty

**Maintenance Requirements:** Change Pump Oil Every 500 Hours, Using 15/50 Synthetic Oil, Change Inlet Water Filters As Necessary.



YOUR  
WORLD



**COOL ZONE<sup>®</sup> USA**

Leaders in Heat Stress Relief

# WORKZONE II FOG FAN HEAT STRESS RELIEF STATION



(Master Unit)



(Satellite Unit)

**Temperature reductions of up to 35 degrees! WITHOUT WETTING!!**  
Our units are versatile, reliable, portable, expandable and very low maintenance! Units are constructed to the highest quality industrial standards. Multi-stage fog face and air aspiration allows for cooling even in humid conditions. (Larger Units Work Zones III & IV Available)

## SPECIFICATIONS

Fan Diameter: 30"/12,000CFM

1000 PSI Pumping Unit

Water Usage Maximum: 12 Gal. Per Hour.

60 HZ Standard, 50 HZ Available

Two Stages of Fog (Four Nozzles ea. Ring)

Dual Inlet Water Filtration (10" 5 & 10 Micron)

Low Inlet Water Pressure Cut Off Switch (Protects Pump From Running Dry)

Adjustable Height: 59" to 70"

Inlet Water Req.: 20 PSI of Potable Water

Power Req.: 115V/16AMP, 230V/8AMP

Fan and Pump Utilize 1/2 HP TEFC Motors

Water Connection Via Std. Garden Hose

1 Year Limited Warranty

**Maintenance Requirements:** Change Pump Oil Every 500 Hours, Using 15/50 Synthetic Oil, Change Inlet Water Filters As Necessary.

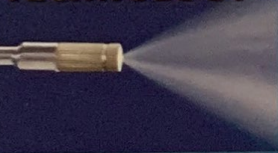


# COOLING YOUR WORLD

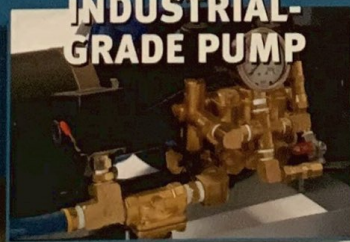
## COMMERCIAL AND INDUSTRIAL SOLUTIONS



**COOLING FOG TECHNOLOGY**



**INDUSTRIAL-GRADE PUMP**



- Heat Stress Relief
- Dust Suppression
- Odor Neutralization
- Humidification
- Process Cooling
- Greenhouse Climate Control
- Outdoor Cooling
- Animal/Livestock Cooling
- Special Effects

### HOW THE COOL ZONE SYSTEM WORKS

Cool Zone USA's patented air aspirated fogging technology incorporates a high-pressure (1,000 psi) pumping module and a impeller driven fog nozzle to produce droplets of water 10 microns or smaller. As the water droplets 'flash evaporate,' they pick up heat from the air, significantly dropping temperature – up to 35° F – without wetting the area to be cooled and/or improving dust/odor compromised environments.



**COOL ZONE<sup>®</sup> USA**

# PRODUCTIVITY IS IN THE AIR

Cool Zone® USA is changing the way factories, plants, greenhouses, livestock facilities—even refuse transfer stations—do business.

Using Cool Zone's proprietary WORK ZONE® units and static line high-pressure, air aspirated fogging systems, leading companies worldwide are finding the perfect environment to maximize productivity and increase profits.

Cool Zone systems are easy to install, inexpensive to operate, and are the most efficient method for achieving environmental control in large, open manufacturing and related facilities.

## VERSATILE OPERATION

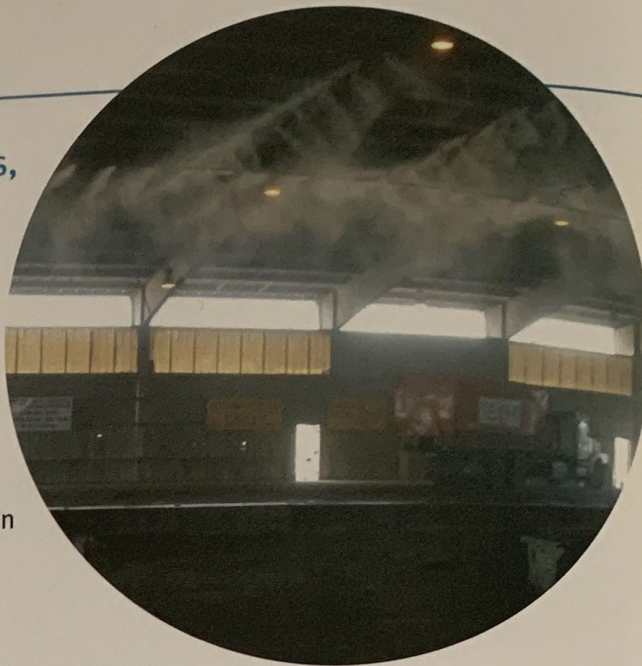
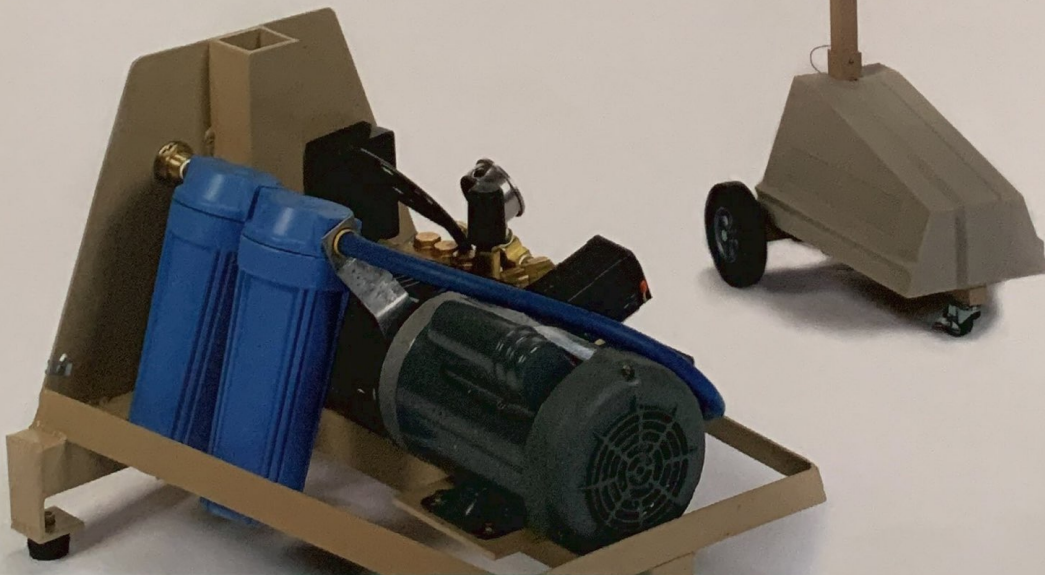
Cool Zone systems are the most versatile and dependable on the market.

- In addition to our portable floor models, Cool Zone fans can also be wall or ceiling suspended. Fan units are available with multi-speed motors, oscillating and tilting capabilities, and customized nozzle configurations.
- Static line systems are designed, engineered, and manufactured specifically to your requirements. Flexible or stainless lines can be mounted to beams or attached to suspended cables.

## HIGH-PRESSURE INDUSTRIAL PUMP MODULE

Each pump unit features:

- Inlet low water pressure and thermal bypass protection to prevent pump damage
- Inlet solenoid and automatic drain to eliminate nozzle dripping
- Dual water filter system that delivers clean water to the nozzles
- Cushioned frame mounting to reduce noise and vibration
- Simple electrical connections and on/off switches, or automatic controls for any environmental solution



## EASY SET-UP AND MAINTENANCE

Each Cool Zone USA system comes with an easy-to-follow detailed installation and operation manual, and is supported by our industry-leading warranty and technical support services.

Cool Your World! Call today for a FREE, no-obligation assessment

# COOL ZONE® USA BLENDS ENGINEERING, TECHNOLOGY AND NATURAL EVAPORATION TO CREATE THE RIGHT CLIMATE FOR YOUR INDUSTRIAL OR COMMERCIAL APPLICATION.



## ODOR CONTROL

Cool Zone USA's fog technology offers one of the most efficient and cost effective delivery systems for odor neutralizing chemicals to rid all types of environments of odor.

Systems are fully programmable up to 24 hours to economically inject any natural neutralizer into the air stream without contaminating the work environment.

Cool Zone systems control odors:

- Aeration Ponds
- Chemical Plants
- Recycling and Waste Transfer
- Scrubbers
- Poultry and Livestock

## INCREASE PRODUCTIVITY AND PROFITABILITY

Cool Zone USA systems offer an immediate return on your initial investment. We are proud to say:

**"Cooling starts in 30 seconds..."**

***The ROI begins immediately!"***

Our engineers will design the optimum environmental control for virtually any facility or industrial application, including:

- Control of fugitive dust and odor
- Reduction of static electricity
- Stabilization of moisture and humidity
- Creating a comfortable working environment
- Dramatically reducing process cooling times



## JUST ADD WATER

The only water requirement for a Cool Zone USA WORK ZONE or static line system is a constant supply of municipal water at 25 to 75 psi. Electrical requirement is any standard power source (60/50Hz). Because Cool Zone units draw water from a fresh water supply, not a sump, there are no pollutants or bacteria in the air stream. In addition, in our fan-based systems, cooled air is free flowing to and through the fan blades, not pulled through evaporative cooler pads that clog rapidly in dusty industrial environments.

## DUST SUPPRESSION

If you have not yet heard of *cloud physics*, it's about to make a major impact on your business. Cool Zone USA uses *cloud physics* to efficiently and effectively control dust. When dust particles meet droplets of water from a Cool Zone system, the smaller water droplets effectively knock dust particles out of the air. Cool Zone's advanced technology complies with EPA PM 10 to attract and suppress dust particles of 10 microns and smaller at a fraction of the cost of a bag house or cyclone.

Cool Zone systems control dust:

- Plants/Factories/Foundries
- Mining
- Asbestos Abatement
- Bulk Powder and Loadout
- Recycling and Waste Transfer
- Fly Ash

# MODULAR. FLEXIBLE. EXPANDABLE

Easy assembly, maximum flexibility, rugged construction, low maintenance.

Cool Zone USA manufactures a complete line of portable fan/fog coolers from 4,000 cfm to 22,000 cfm. All units are built tough — to the highest quality standards in the industry.

Fan heads incorporate a tough molded plastic shroud, and are mounted to a telescoping powder coated aluminum post. Fans are adjustable to any desired angle to provide optimum coverage simply by using the supplied tools. Units are fully portable, sitting on 10-inch heavy-duty solid rubber tires, with a locking front castor for safety.

Satellite units offer the ability to cool large areas economically. Master units support from 1 to 5 satellite units spaced 100' to 300' apart.

Work Zone® fan/fog coolers provide the most economical and efficient heat stress relief by delivering more air flow. All models are shipped fully assembled and ready for your specific industrial applications.

Our 3-stage fogging system is available as standard on Work Zone III and IV.



**WORK ZONE®**  
**II, III & IV**  
For Industrial Applications

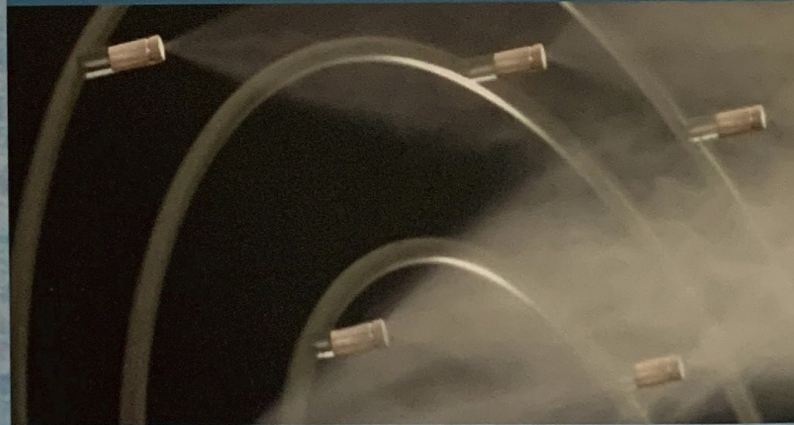
## THE COOL TUBE

Finally an economical, efficient way to cool large areas. Utilizing our patented\* (Air Aspirated Fog Technology) Cool Zone USA® has developed a break through in evaporative cooling. Extremely versatile, the "Tube" can be used almost anywhere. Water vapor injected into an air stream promotes evaporation resulting in a temperature decrease. Depending on temperature and humidity levels, a temperature decrease of 40 degrees is possible.



## RETROFIT SYSTEMS AVAILABLE

Fog rings are custom designed and manufactured to fit virtually any industrial fan. These retrofits deliver much of the operating efficiency of a dedicated Cool Zone system without the need to purchase new fan equipment.





# WELCOME TO THE "COOL ZONE"

Valet Waiting Line



Pool Side Cabana



## Want To Increase Your Business During The Summer Heat? **HERE'S HOW!!**

- Temperature reductions of 35 degrees without wetting!
- Visual "Fog" effect attracts customers!
- Static line or Fog fan Systems are custom designed to fit your specific requirement!
- Attractive, quiet high pressure (1,000)PSI pumping units are complete with intragated 5 & 10 micron filtration, low water pressure cut off switch, inlet water solenoid and available with a variety of controls.
- All of our systems have a one year warranty!

Call Us Today For Your Free Estimate And Start Enjoying The Benefits  
Of Your Own "COOL ZONE" Tomorrow!!!

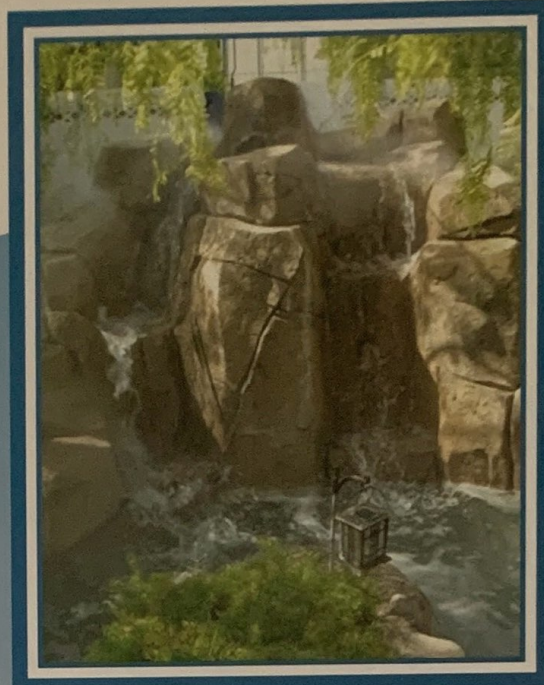


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# COOL ZONE<sup>®</sup> USA

Leaders in Heat Stress Relief



## WELCOME TO THE "COOL ZONE" PROFESSIONAL OUTDOOR COOLING AND SPECIAL EFFECTS MISTING SYSTEMS

- ***REDUCES TEMPERATURE UP TO 35 DEGREES!!***
- **State Of The Art High Pressure (1000) PSI Pumping System With Automatic drain on Shut Down and Low Water Pressure Protection**
- **316 Stainless Steel or Flexible Atomization Lines**
- **.008 Orifice Proprietary Nozzles with Anti Drip Valve**
- **Industrial Quality Equipment With a Standard One Year Warranty**
- **Standard 5 and 10 Micron Water Filtration**

