Which system is the best choice for me?

Low-Pressure Misting Systems
These systems normally operate on hose pressure, which varies from 40 to 90 psi. Normally built with PVC Pipe or Poly Tubing and are connected to a hose. These systems are very inexpensive and in most areas create some cooling but will also get you wet.

Mid-Pressure Misting Systems
These systems employ a booster pump to raise hose pressure up to as much as 200psi and provide an excellent economical alternative to high pressure systems. These systems provide excellent cooling in hot and dry climates.

High Pressure Misting Systems
High Pressure Misting or fogging systems operate at pressures starting at 800 psi going as high as 1200 psi. At these pressures, we are able to create a super fine fog / mist that quickly and efficiently flash evaporates absorbing huge amounts of heat quickly and effectively cooling the environment.

I live in a humid climate. Will a misting system work for me?
Yes. The evaporative cooling concept will work any time you are able to achieve evaporation (See "How does it work?"). The more complete the evaporation, the more effective the system will work. For areas with humidity above 80%, temperature reductions will be as high as 10 degrees. For humidity levels between 40% and 80%, temperature reductions will be as high as 20 degrees. Below 40% humidity, the temperature reductions may be as much as 35 degrees.

Will the Mist get me wet?
You will only get wet if you are standing within 6' of the misting nozzle.
How does Misting Work

When ultra fine water droplets (mist/fog) are introduced into the atmosphere, they quickly absorb the energy (HEAT) present in the environment and boil off (evaporate). The energy (HEAT) is used to produce a state change from a liquid to a gas is eliminated from the atmosphere. The air is cooled by a natural process commonly known as evaporative cooling.

CLOUDBURST high pressure misting fans and misting line systems are designed to efficiently introduce a super fine mist into the area to be cooled which almost instantly evaporates (flash evaporative cooling). In the case of our misting fans, CLOUDBURST combines evaporative and convective cooling (wind chill factor) to achieve spectacular results.

How much can I cool down an area?

It depends on both the initial ambient temperature and relative humidity. The evaporative cooling process has the capacity to cool the air down to the dew point or fully saturated level. Our highest measured temperature decrease ever was 53°F / 29.6°C in a copper smelting plant where workers were working in the most extreme environment.

The chart below shows the maximum amount of cooling that can occur at different temperatures and relative humidity levels. Depending on the environment, we can expect to get 60% to 90% of the maximum cooling potential. At high temperatures and low humidity levels temperature decreases of 30°F are not uncommon.

** Pumps available w/ stainless steel case

<table>
<thead>
<tr>
<th>Pump Model</th>
<th>HP</th>
<th>Flow</th>
<th>Pressure</th>
<th>FLA* 115Volt</th>
<th>FLA* 220Volt</th>
</tr>
</thead>
<tbody>
<tr>
<td>CB380</td>
<td>0.1 HP</td>
<td>0.50 GPM</td>
<td>160 PSI</td>
<td>1.0 Amps</td>
<td>N/A</td>
</tr>
<tr>
<td>CB400-25</td>
<td>0.2 HP</td>
<td>0.25 GPM</td>
<td>800 PSI</td>
<td>4.0 Amps</td>
<td>2.0 Amps</td>
</tr>
<tr>
<td>CB400</td>
<td>0.5 HP</td>
<td>0.50 GPM</td>
<td>1000 PSI</td>
<td>7.2 Amps</td>
<td>3.6 Amps</td>
</tr>
<tr>
<td>CB410</td>
<td>1.0 HP</td>
<td>1.35 GPM</td>
<td>1200 PSI</td>
<td>12.8 Amps</td>
<td>6.5 Amps</td>
</tr>
<tr>
<td>CB420</td>
<td>1.5 HP</td>
<td>2.20 GPM</td>
<td>1200 PSI</td>
<td>18.0 Amps</td>
<td>9.0 Amps</td>
</tr>
<tr>
<td>CB390-OF</td>
<td>0.33 HP</td>
<td>0.50 GPM</td>
<td>0-1500 PSI</td>
<td>4.2 Amps</td>
<td>N/A</td>
</tr>
<tr>
<td>CB391-OF</td>
<td>1 HP</td>
<td>1.00 GPM</td>
<td>0-1500 PSI</td>
<td>7.4 Amps</td>
<td>N/A</td>
</tr>
<tr>
<td>CB392-OF</td>
<td>2 HP</td>
<td>2.00 GPM</td>
<td>0-1500 PSI</td>
<td>10.2 Amps</td>
<td>N/A</td>
</tr>
</tbody>
</table>

** FLA = Full Load Amperage ** Convert to Liter per minute: Multiply by 3.79
Precision engineered Misting Nozzles. Designed with optimum spray pattern and robust performance. All stainless steel orifices and pins. Bodies in brass, stainless steel or nickel plated brass. MADE in the USA.

Which nozzle is the right one?

The .006” nozzle is the smallest standard nozzle orifice available. This nozzle is ideal for applications requiring extremely low flow with small droplet size, minimal moisture and complete evaporation. This nozzle is most commonly used on fans in areas with high humidity. The nozzle should not be used at pressures below 500 PSI.

The .008” nozzle is ideal for applications requiring less flow with small droplet size, minimal moisture, and complete evaporation. It can be used for indoor humidification or outdoor cooling, depending on the circumstances. The nozzle should not be used at pressures below 140 PSI. This is by far our most popular nozzle for cooling people.

The .012” nozzle is the most commonly used for people cooling in areas with extreme heat and low humidity or where the nozzles are placed high above the area to be cooled. It provides comparable results to the .008” nozzle with an increased flow rate. It can be used both indoors and outdoors with complete evaporation. This nozzle will work at pressures of 50 PSI and above.

The .015” nozzle is mostly used for outdoor applications where sufficient airflow and clearance allow for complete evaporation and where higher flows are required. The .020” nozzle is primarily used for outdoor applications requiring extreme flow with less need for complete evaporation. This is a great nozzle for special effects and process cooling requiring high volume.

**All Nozzle, Anti Drips & Extensions available in 10/24 and 12/24 Thread Sizes**
3/8" MISTING LINE COMPONENTS

**Misting Lines, Tubings, Hoses & Hangers**

- **CB220-#**
  - 3/8” Stainless Steel Mist Line
  - Available with: 12” / 15” / 18” / 24” / 36” / 48”
  - Spacing between nozzles.
  - Available in 10’ and 20’ Lengths

- **CB221-#**
  - 3/8” Stainless Steel Tubing
  - Available in: 10” and 20” Lengths
  - For Custom Lengths Please Call

- **CB222**
  - Flexible Mist Line
  - 1500 PSI Pressure Hose

- **CB223-375**
  - Mounting Clamps
  - Stainless Steel and Rubber
  - (Bag of 20) for 3/8”

**Fittings**

- **CB224**
  - 3/8” Brass Compression UNION

- **CB225**
  - 3/8” Brass Compression ELBOW

- **CB226**
  - 3/8” Brass Compression TEE

- **CB227**
  - 3/8” Brass Compression END PLUG

- **CB226M**
  - 3/8” Brass Compression x 1/4” NPT male thread x Compression x 3/8” Brass Compression

- **CB228**
  - 3/8” Brass Compression x 1/4” NPT male thread

- **CB229**
  - 3/8” Brass Compression Elbow x 1/4” NPT male thread

- **CB230**
  - 1/4” Quick Disconnect male and female

- **CB231**
  - Re-usable 1/2” O.D. Hose x 1/4” male NPT

- **CB232**
  - Re-usable 1/2” O.D. Hose x 1/4” female NPT swivel

- **CB233**
  - 1/4” female pipe thread x Drain Valve x 1/4” male pipe thread. Attach to Pump outlet.

- **CB234**
  - Brass Compression x 12/24” Female Nozzle Thread (w/o Nozzle)

**Commercial Cooling**

When temperatures rise into the 90’s and above, patio dining and outside bars become uninhabitable money losers. A CLOUDBURST system can turn that space into a comfortable and profitable retreat.

**Industrial / Process Cooling**

Create a safer and more productive working environment. Cooling employees, equipment and processes can lead to happier employees and big profits. Cooler workers are safer and more productive. Cooler machines last longer and can produce more. Many processes that need cooling can be speeded up using mist cooling.

**AC Condenser Cooling**

Decrease electrical usage and costs by up to 30% using our exclusive condenser cooling units. This is a simple and cost effective way to save money and the environment.

**Animal Cooling**

Keeping livestock and pets is cool is big business. Cool cows produce more milk and eat more. Cool Chickens eat more and are healthier.

**Humidity and Control**

CLOUDBURST misting systems are a cost effective solution to humidifying a wide array of applications including: warehouses, factories, greenhouses, wine barrels and Lumber and paper storage.

**Dust & Odor Control**

CLOUDBURST’s proven technology generates 10 micron water droplets which attract and suppress PM 10 and smaller dust particles. Our systems offer a solution that can help eliminate both the fugitive dust problem and unwanted odors.

**Special Effects**

To create “smoke” or “fog” theme parks and studios have often had to resort to chemicals or oils to produce the required special effect. The CLOUDBURST fog system offers a safe alternative to these methods. Using only high-pressure water, our systems create the required atmosphere with no discomfort or possible injury to spectators or actors.
1/4" PUSH LOCK MIST LINE COMPONENTS  
(Designed for runs up to 150’ from the Pump)

### Tubings & Hangers

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CB26#W/B</td>
<td>1/4&quot; Flexible – 1000PSI Nylon Tubing</td>
</tr>
<tr>
<td></td>
<td>Black and Light Cream</td>
</tr>
<tr>
<td>CB223-250</td>
<td>Mounting Clamps Stainless Steel and Rubber (Bag of 20) for 1/4&quot;</td>
</tr>
<tr>
<td>CB224-#</td>
<td>Blank Stainless Tubing 2’, 3’, 4’ Lengths</td>
</tr>
<tr>
<td></td>
<td>For Custom Lengths Please Call</td>
</tr>
</tbody>
</table>

**“We always help you to design the right misting system.”**

### Fittings

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CB250</td>
<td>1/4&quot; Misting Tee Incl. Nozzle &amp; Anti Drip <strong>Specify Nozzle Size</strong></td>
</tr>
<tr>
<td>CB250B</td>
<td>1/4&quot; Misting Tee w/o Nozzle &amp; Anti Drip</td>
</tr>
<tr>
<td>CB250D</td>
<td>Drain Valve Tee</td>
</tr>
<tr>
<td>CB251</td>
<td>Straight Nozzle Adapter w/ 10/24 Tread (w/o Nozzle)</td>
</tr>
<tr>
<td>CB251-45</td>
<td>45° Nozzle Adapter w/ 10/24 Tread (w/o Nozzle)</td>
</tr>
<tr>
<td>CB250P</td>
<td>Plug to End Line</td>
</tr>
<tr>
<td>CB252</td>
<td>10” Riser Assembly w/ Nozzle &amp; 18” Stake</td>
</tr>
<tr>
<td>CB253</td>
<td>1/4&quot; Coupling Union</td>
</tr>
<tr>
<td>CB255</td>
<td>1/4&quot; Coupling Tee</td>
</tr>
<tr>
<td>CB256</td>
<td>1/4&quot; Coupling Tee (1/4&quot; Push Lock x 1/4&quot; MPT x 1/4&quot; Push Lock)</td>
</tr>
<tr>
<td>CB257</td>
<td>1/4&quot; Coupling Elbow</td>
</tr>
<tr>
<td>CB258F</td>
<td>1/4&quot; Fan Adapter (1/4&quot; Push Lock x 1/8&quot; FPT) Adapts Mist Rings for 1/4&quot; Tubing</td>
</tr>
<tr>
<td>CB258P</td>
<td>1/4&quot; Pump Adapter (1/4&quot; Push Lock x 1/4&quot; FPT) Adapts Pumps for 1/4&quot; Tubing</td>
</tr>
<tr>
<td>CB259</td>
<td>1/4&quot; In-Line Shut Off Valve</td>
</tr>
</tbody>
</table>

### Residential Cooling

As patios and backyards have turned into well equipped outdoor living spaces, high pressure misting systems are providing more than just cooling. They create a comfortable oasis on even the hottest days.

Customers say their lifestyles have been changed completely by outdoor cooling (misting system). Some used to leave the desert in the summer or be trapped inside their homes. Pets and plants are healthier. Now you can enjoy the outdoors year round.

Where to place the misting system?

Proper installation of your new misting system requires mounting the misting line 8’ to 10’ above the ground on the bottom outside edge of the fascia, header or beam of patio perimeters. This idea is to create a mist curtain (a cooling barrier) between your protected area and the outside heat.

Fans can also be used to provide spot cooling. Garden risers can provide effects and great cooling for sun bathers and jacuzzi goers. Pool and waterfall misters can provide spectacular effects and cool water temperatures in desert climates.

Where should I place the pump?

High pressure pumps are not silent! When possible the pump should be placed away from the area to be misted. The pump needs a water and electrical hook up and can be placed away from the mist line.

Choose a spot that is relatively easy to access for filter changes.

### Maximum Run Lengths of Systems without significant pressure loss:

- 3/8" Stainless Steel Tubing - up to 600 ft
- 1/4" Tubing - up to 150 ft
3/8" PUSH LOCK MIST LINE COMPONENTS

**CB267B**
3/8" - Flexible Nylon Tubing
Black - up to 1000PSI

**CB282**
Reducer
3/8" Tube x 1/4" Push Lock

**CB286**
3/8" Coupling Tee

**CB287**
3/8" Coupling Union

**CB285**
3/8" Coupling Elbow

**CB288**
3/8" Pump Adapter
(3/8" Push Lock x 1/4" FPT)

**CB280B**
3/8" Misting Tee
w/o Nozzle & Anti Drip

Using 3/8" Feed Line greatly extends System Length when combined with 1/4" Push Lock components.

SIDE LINE & DUGOUT SYSTEMS

**CB2000**  Economy Mid Pressure
Includes (2) 24" Oscillating Misting Fan with Poly Styrene Shroud and wheels, #CB380 160PSI Booster Pump Module and mid pressure feed lines.

**CB2002**  Professional High Pressure
Includes (2) 24" Oscillating Misting Fan w/ Poly Styrene Shroud and Turf Tires, #CB400 Coldblast 1000PSI Pump Module and high pressure feed lines with quick disconnects.

**CB2004**  Professional High Pressure
Includes (4) 24" Oscillating Misting Fan w/ Poly Styrene Shroud and Turf Tires, #CB410 Commercial 1200PSI Pump Module and high pressure feed lines w/ quick disconnects.

WINDCHILL

**CB824**
Portable 24" high velocity multiple speed oscillating fan with high aspect shroud, directional veins and an 8-nozzle stainless steel misting ring. Integral 1000 PSI high pressure, misting pump with filtration. The WindChill has been engineered to withstand the harshest industrial applications with minimal maintenance requirements.

- Durable and sleek stainless steel construction
- Exclusive NEMA rated, 1700 RPM, adjustable speed fan motor
- 0°, 45° and 90° oscillation with adjustable tilt positions
- Whisper quiet fan blade design for minimal operating noise
- 6000 CFM – wind tunnel tested
- Uses standard garden hose water connection for easy hook up
- Pressure safety switch built in for automatic shut-off
- Inlet water solenoid prevents overflow

Indoor Cooling
How Many Fans Do I Need?

Each Model CB624 High Efficiency Portable Cooler moves approximately 7500 cubic feet (230 cubic meters) of air per minute; this number can be greatly increased where positive pressure ventilation techniques can be employed. Generally speaking, to achieve maximum cooling in indoor or protected areas you will want to transfer the total volume of air in the space being cooled every 2 to 3 minutes.

The appropriate transfer time will depend on the space’s insulation, how closed in it is (is it a warehouse or a canopy), prevailing humidity, acceptable humidity increase and the total temperature drop desired.

When cooling indoor areas, it is important to remember that you will need to take advantage of any natural flow of air. You can check for existing ventilation by turning on the fan without the mist and watch where the mist goes. You will also need to determine your source of outside air and where your outlet for the air is. Very often the outlet will be a door or a window on the opposite side of the structure from the inlet air.

**Example:**

Factory 50’ length x 80’ width x 15’ ceilings.
Totally enclosed structure with fairly good insulation. Complete air transfer every 2 minutes

Calculation of Volume
Length x Width x Ceiling Height
50’ x 80’ x 15” = 60,000 cubic feet

Volume / (Fan Volume x Transfer Time)
60,000 / (7500 cf x 2 minutes) = 4 fans

Four fans will completely transfer the air in this structure every two minutes and should effectively cool this factory. The fans should be placed in the oscillation mode to spread the mist throughout the factory and should be pointed in a direction that keeps the air flow moving in the desired direction.
Helpful Hints

Whenever possible use any natural breeze or air flow to your advantage (point the fan the same way the air is moving)

- Use Positive Pressure Ventilation techniques wherever applicable (See discussion of Positive Pressure Ventilation techniques below)
- In places where it is either impossible or un-economical to cool the whole structure set up smaller cool areas. In most applications mist should be directed slightly above head level.

Positive Pressure Ventilation Technique

The CLOUDBURST High Efficiency Portable Cooler is placed on the outside of the structure so that the “air cone” completely seals the opening (A). When this seal is achieved, the air pressure is increased equally at all points inside the structure. When an exhaust opening is created (B), all of the interior air moves in one mass. This results in faster, more efficient ventilation of the entire structure.

In a large space, additional misting fans should be placed within the structure to achieve maximum cooling. By using this technique, it would be possible to use only 3 fans, with larger orifice nozzles.
Outdoor Cooling

The ability to cool outdoor areas depends on three factors - the wind, temperature and humidity. With either light wind or no wind you can achieve some remarkable results depending on temperature and humidity. In outdoor areas, normally .008" or .012" nozzles are employed. In these areas, the use of misting fans can help move the cooled area to the desired location or spread it over a large location. Fans are especially helpful in areas with high humidity-60% and above.

Cooling outdoor areas is relatively straightforward and can be broken into 2 different types:

Athletic and Amusement Cooling

In this type of cooling, the people don’t mind getting damp, and more often then not prefer it. Generally, fans are placed at head height so people can stand directly in front of the fan.

Factories/Hospitality

When cooling a large area where the people don’t want to notice the moisture. The fan(s) should be set at their highest level with the fan, aimed slightly above the horizon with the oscillation set to match the area being cooled. If possible place the fan 10’ to 20’ behind the area to be cooled. This will allow the cooled air to settle and keep the units sound from being bothersome.

Heat Index (HI) is an index that combines air temperature and relative humidity to determine an apparent temperature how hot it actually feels. The human body normally cools itself by perspiration, or sweating, in which the water in the sweat evaporates and carries heat away from the body. However, when the relative humidity is high, the evaporation rate of water is reduced and removed the heat from the body at a lower rate.

### SMALL PORTABLE COOLERS w/ TANK

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CB818</td>
<td>Sport Fan (Only 120 Volt)</td>
</tr>
<tr>
<td>CB812-12V</td>
<td>Sport Fan (12 Volt)</td>
</tr>
<tr>
<td>CB12VB</td>
<td>Re-chargeable Battery Pack for 812-12V</td>
</tr>
<tr>
<td>CB828</td>
<td>Coolermax</td>
</tr>
</tbody>
</table>

The Only Cooler Based System Powerful Enough to Run Both a Misting Fan &/or 10 Nozzle Mist Line at up to 180 PSI

- 180 PSI Pump for excellent quality mist
- 10 Nozzle Mist Line Kit w/ Push Lock Fittings & On/Off Valve
- 15 Gallon Cooler on Wheels for up to 6 hours run time
- Brass & Stainless-Steel Nozzles for the finest Mist possible
- UL Rated Outdoor Water Proof Fan & Water Tight Switch Box
- Our Patented 6 Nozzle Mist Hub for Cooling Power & Flexibility (adjustable from 3-6 nozzles)
- Standard 110 Volt Easily Converts to 12 Volt with Inverter
MISTING RINGS

<table>
<thead>
<tr>
<th>Model</th>
<th>Mist Ring w/ Size</th>
<th>HP</th>
<th>Speed</th>
<th>RPM</th>
<th>CFM</th>
</tr>
</thead>
<tbody>
<tr>
<td>CB614</td>
<td>4 Nozzles 14&quot;</td>
<td>1/8</td>
<td>3</td>
<td>1200/1350 1490</td>
<td>2600/3300 4000</td>
</tr>
<tr>
<td>CB618</td>
<td>4 Nozzles 18&quot;</td>
<td>1/4</td>
<td>3</td>
<td>1000/1400 1570</td>
<td>3800/4800 6600</td>
</tr>
<tr>
<td>CB624-OSC</td>
<td>6 Nozzles 24&quot;</td>
<td>1/3</td>
<td>3</td>
<td>700/900 1100</td>
<td>5200/6200 7200</td>
</tr>
<tr>
<td>CB630-OSC</td>
<td>8 Nozzles 30&quot;</td>
<td>1/3</td>
<td>3</td>
<td>700/900 1100</td>
<td>6200/7200 8200</td>
</tr>
<tr>
<td>CB636-OSC</td>
<td>10 Nozzles 36&quot;</td>
<td>1/2</td>
<td>1</td>
<td>840</td>
<td>11678</td>
</tr>
</tbody>
</table>

** Fan performance quoted for 115Volt / 60HZ. Most fans and all pumps available in 220Volt / 50HZ. For 220V/50Hz: CB624-OSC and CB630-OSC not available. Fan Size CB614 = 12" / CB618 = 20".

MISTING RINGS

These fans have been designed for heavy-duty use and will last for years.

Mist Cooling & Humidity

Many residents & businesses are just now realizing that High Pressure Misting (Fogging) is a very effective & efficient way to cool down large areas even in high humidity climates. In fact, many very humid areas are among our fastest growing areas since 2006.

This is in a large part because people are finally being educated to the fact that high pressure mist systems can cool down any area in any climate as long as they are installed properly.

With the use of the appropriate size mist nozzles, proper nozzle & mist line placement, pump size and the correct use of misting fans, we can cool down almost any area as much as 30 degrees with out getting anyone wet.

This is because we have the capability of producing such a fine mist droplet that it evaporates almost instantly even in the most humid conditions.

So whether you live in the dry or humid area, we can keep you cool & dry with the correct use of the best misting equipment.

Cool Water vs. Hot Water

Water temperature does not have a great effect upon the cooling produced through evaporation. At 90º F (32º C) it takes 9,000 BTUs (2.268 kilocalories) to evaporate a gallon of 50º F (10º C) water and 8,700 BTU (2.192 kilocalories) to evaporate a gallon of 90º F. water. In this example, the water is 180% warmer and results in only a 3% reduction in the amount of heat absorbed.

FAN AND PUMP MOUNTING KITS

** A wide variety of mounting hardware is available – Contact us for your specific application.

MISTING RINGS

- CB204 4-nozzle 15" Diameter
- CB206 6-nozzle 15" Diameter
- CB208 8-nozzle 15" Diameter
- CB210 10-nozzle 25" Diameter
- CB212 Dual Ring w/ Shut-off Valve 15" 8 Nozzle & 12" 4 Nozzles
- CB218 Dual Ring w/ Shut-off Valve 25" 10 Nozzle & 15" 8 Nozzles

** CL50M Wall or Pedestal Mounting Kit for all Coldblast Pump Modules

** CB24/30PED Pedestal for 24" & 30" Fans (wheels included)

** CB12PM Pole Mounting for model 614 & 618

** CB24/30WM Wall Mounting Bracket for 24" & 30" Fans

MISTING RINGS

- CB204 4-nozzle 15" Diameter
- CB206 6-nozzle 15" Diameter
- CB208 8-nozzle 15" Diameter
- CB210 10-nozzle 25" Diameter
- CB212 Dual Ring w/ Shut-off Valve 15" 8 Nozzle & 12" 4 Nozzles
- CB218 Dual Ring w/ Shut-off Valve 25" 10 Nozzle & 15" 8 Nozzles

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** CB24/30WM Wall Mounting Bracket for 24" & 30" Fans

** A wide variety of mounting hardware is available – Contact us for your specific application.
FAN & PUMP CONTROLS

**CB900**
Digital Thermostat
w/ 30 Amp Relay

**CB920**
Timer
Up to 24 On/Off
1/2 Hour Minimum

**CB930**
Interval Timer
0 to 60 Minutes
30 Amp Relay

A wide variety of controls is available
Contact us for your specific application

WATER FILTRATION & TREATMENT

**CB121**
10” Spun Poly Filter
5 Micron cartridge
(To remove dust, mud, sand etc.)

**CB140**
5” Filter Housing
add-on to existing filtration for all pumps

**CB124**
5” Spun Poly Filter
5 micron cartridge
(To remove dust, mud, sand etc.)

**CB141**
10” Filter Housing
add-on to existing filtration for all pumps

**CB125**
Three Stage Filter
Replacement filter for models 400, 401, 500, 502, 510, 550
(Custom designed to keep nozzles performing at their best)

**CB601**
In-Line Filter
6” Hexa Phosphate Filter
3/4” Male and Female - Garden Hose Fittings

CUSTOM SYSTEMS

Experience * Experience * Experience

For 13 years, CLOUDBURST has designed and fabricated thousands of misting / fogging installations on every continent on the globe except Antarctica. We take great pride in being able to take any challenge where misting is applicable and solving that challenge in an affective, robust and cost efficient manner.

Contact us today with your challenge - we are looking forward to it.

AC Pre-Cooling System

How does it work?

The Cool-N-Save® Commercial AC pre-cooler is an amazing new system that has taken the known benefit of evaporative AC pre-cooling (more efficient cooling) and combined it with “state of the art” technology to create the first economical & effective AC Pre-Cooling system that DOESN'T SCALE or interfere with airflow.

It uses a low flow / mid pressure mist that is activated only when the AC unit turns on. When the ultra-fine mist is released into the air, it evaporates almost instantly. This flash evaporation literally sucks heat out of the air, as the water absorbs the energy it needs to evaporate.

The result of this immediate evaporation is a drop in ambient temperature of as much as 30 degrees Fahrenheit surrounding the condenser. This allows the coils to transfer heat much more effectively which in turn lowers the amperage draw, output temperature, cycle time & head pressure, all adding up to a 25% or more reduction in energy use. Plus, because it allows the unit to run more efficiently it can greatly extend the life of the condenser too.

How much can I save?

Below is a link to the results of two tests done by an independent engineering firm at different sites in different states. You will notice an average of 22.8% reduction in amp draw between the 2 tests.

This along with a significant drop in head pressure & output temperature brings us to approximately a 32% reduction in energy use. These are typical results but may vary depending on the size & type of AC unit plus a combination of climate & use.

More info: [www.acprecooling.com](http://www.acprecooling.com)
Limited Warranty

CLOUBURST® Misting Systems warranties its products to be free of defects in material and workmanship for a period of:

Two Years Guarantee
On all Pumps, Misting Fan Kits and High Efficiency Coolers

Lifetime Guarantee
On all Stainless Steel Mist Rings, Stainless Steel Mist Lines
All Brass Fittings & High Pressure Hoses

No merchantability or other warranty, expressed or implied is made within the warranty period. CLOUBURST® Misting Systems is not liable for damages or any expenses incurred through the use of its products. The warranty will be considered violated if the products are used for other than the criteria described in each product's guidelines for use.

Nozzles and Filters are excluded from this warranty.

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