GLOBAL INDUSTRIAL™

We can supply that.®

User's manual	Manual del usuario	Manuel de l'utilisateur
Customer Service **US: 1-800-645-2986**	**Servicio de atención al Cliente** **US: 1-800-645-2986**	**Service à la clientèle** **Canada: 888-645-2986**

29" Wall Mount Atomizing Evaporative Cooler - 5,885 CFM
29" Atomizing Evaporative Cooler, 26 Gallon, 5,885 CFM
23" Atomizing Evaporative Cooler, 18 Gallon, 1,625 CFM

Models: 604129, 604134, 604135







Atomizing Evaporative Cooler

1 Important Safety Instructions

To avoid risks, please observe the precautions mentioned below:

- Read all the instructions and the warranty terms before using your EcoJet Cooling System.
- Children should not be allowed to operate EcoJet Cooling System.
- Do not leave children unattended within reach while the equipment is in use.
- Avoid any contact with moving parts, do not place objects on or in the fan.
- To avoid electrical shock, never connect or disconnect the plug with wet hands.
- Also to protect against electrical shock, do not immerse unit, plug or cord in water or spray with liquids.
- Never yank on the power cord to unplug the fan from the electrical outlet, to disconnect grip the plug and pull from the outlet.
- Always unplug fan when not in use, moving to a new location or for cleaning.
- Never add flammable liquids to the water reservoir.
- Do not place fan near an open flame, cooking or heating appliance.
- Evaporative systems demand the exchange of air, operating where there is air circulating.
- This fan has a polarized plug {one blade wider than the other), which is intended to fit into a polarized electrical outlet only one way.
- To prevent damage to the water pump do not operate fan without water. Floors around the fan can become damp and slick, use caution to prevent injury due to slipping

WE RECOMMEND THE REPLACEMENT OF THE WHITE PLASTIC SPINNING DISC ON THE FRONT OF THE FAN EVERY TWO YEARS TO INSURE PERFORMANCE OF YOUR MISTING FAN.

2 Features

- Reduces the temperature with its evaporative system
- Cleanses the air of dust particles
- Hydrates the air with atomized water
- Eliminates static electricity
- Dilutes concentration of organic solvents and ammonia
- Helps eliminating gases and odors
- Electricity savings due to its low electricity consumption
- Improves performance of air-conditioning units
- Can be used as a sprayer for water based solutions

3 Technical Specifications

Model No.	Product Description	Air Flow	Noise Level	Power Rating	Voltage	Water Supply	Dimensions (WxHxD)	Weight
604129	29" Wall Mount Atomizing Misting Fan - 5,885 CFM	5,885 CFM	67 dB	230W/2.10A	110V single phase	Water line	29”x16”x34”	45 lbs
604134	29" Atomizing Misting Fan, 26 Gallon, 5,885 CFM	5,885 CFM	67 dB	230W/2.10A		26 gallon reservoir	34”x78”x33”	94 lbs
604135	23" Atomizing Misting Fan, 18 Gallon, 1,625 CFM	1,625 CFM	56 dB	200W/1.82A		18 gallon reservoir	23”x48”x19”	61 lbs

2 Installation Instructions

WARNING:

- Make sure you install the device out of reach of children.
- The centrifugal disk spins at 3,500 RPM; do not place your hand or any other object on it while it is working.
- Do not use equipment with damaged parts; always use original ex-factory parts.
- Adjust the mist according to the conditions of your environment.
- Users will be deemed responsible if they add flavoring agents, as well as any other chemical, to the water.
- In case any gas generator is added, the device's manufacturer will be deemed responsible.
- Do not start the cooling system with no water in the tank.
- Protect from rain and weather when using outdoors.
- If the device gets rain and/or wet please wait until it is completely dry to run again.
- If the electrical cord for power supply gets damaged, it can ONLY be replaced by the manufacturer or authorized agent.
- The centrifugal disk spins at 3,500 RPM, do not place your hand or any
- other object on it when the fan is operating.
- Be careful not to spill water on the electrical part of equipment.
- NEVER turn you equipment ON without water in the reservoir.
- Do not clean EcoJet Cooling System with harsh chemicals or abrasive
- products.
- ALWAYS remove the water from the reservoir to store your EcoJet Cooling
- System.
- Cleaning is essential for a proper performance of the equipment.

2 Wall Mount Installation (Model No. 604129)

Global Industrial misting fans are available in either wall mount or reservoir models. Reservoir fan installation information is on the following pages, for wall mount models see below.

There are two options:

1. Use the included wall mount bracket

- Attach the bracket to the wall making sure the bolts used are sufficient to hold the fan.
- Ensure that the bolts used are inserted into wall studs.
- Using the included nuts and washers bolt the fan to the wall bracket securely.

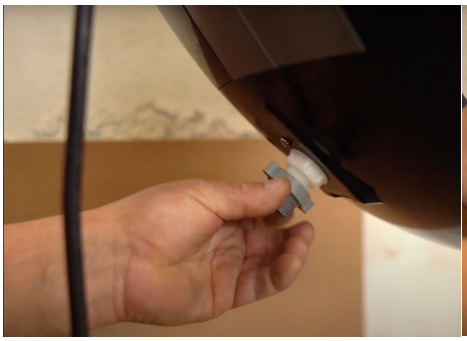
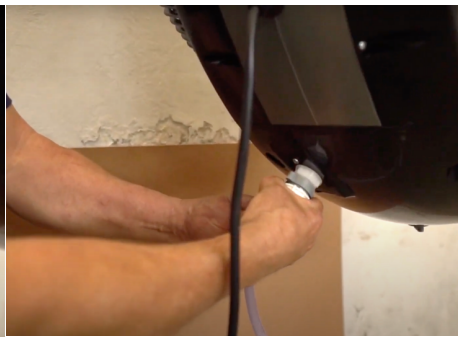





2. Use chains or cables to hang the fan from the ceiling. "Eyebolts" can be inserted into the built-in nuts, normally used for the lifting handles, on each side of the fan.

* The wall mount fans come with the bottom reservoir plug packed in a plastic bag. Please screw the plug into the threaded drain hole and tighten.

3. Attach the hose adapter and water line hose to the fan.

4 Wall Mount Installation Dimensions

- The maximum height from the floor should be 9'.
- The maximum tilt of the fan is 10 degrees, any more and the water splashes out of the return
- The back of the fan should be at least 11 from the wall
- If the ceiling is less than 91 high mount the fan 18" from the ceiling

5 26 Gallon Water Reservoir Assembly (Model No. 604134)

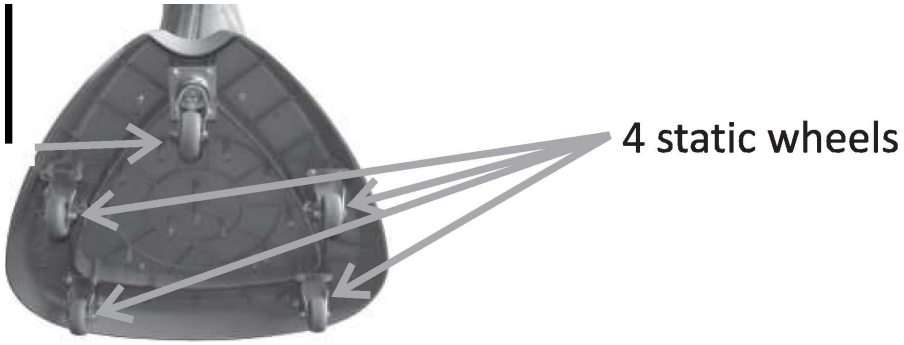
26 gallon reservoir fans are shipped in three boxes:

- 1 box with fan
- 1 box with reservoir and 1 bag with screws
- 1 base for water reservoir box (Model No. 604131 ONLY)

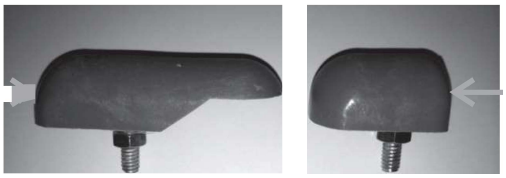
1. Unpack the reservoir base box. Inside the box, there is a base made of plastic with bolts attached to it. There are 20 bolts. Remove and retain all 20 bolts.
2. Packed with the base are 5 wheels, along with the parts used to attach the reservoir to the base.
   There is a bag with all pieces for attaching the base to the water reservoir.



3. Unpack all the wheels. Remove each set of 4 bolts and install the wheel using the same bolts. Tighten the bolts to the base. There are 4 static wheels and 1 wheel that moves in all directions (and has a brake when lever is put down to keep the reservoir from moving). The installation must be like this:



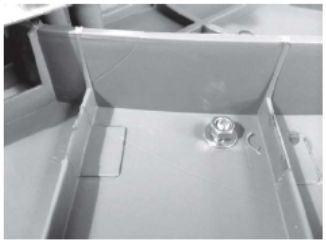
4. Unbox the water reservoir and place it over the base. Line up the holes in the base and reservoir. You will need the pieces from the plastic bag.



5. Remove the nut and washer from the bolt on the stopper. Insert the bolt into the hole in the base, put the washer and the screw nut on the bolt from the bottom.



4 Attachments must hold the water tank to the base



View from the bottom, washer and nut holding the bolt of the attachment and stopper

6. Carefully unpack the fan and remove all bubble and materials like packing foam and straighten the water pump hose. Place the water pump with its hose inside the water tank. Carefully lift the fan and place it one the reservoir with the lips on the outside of the reservoir. When setting the fan on the reservoir make sure the shorter hose, the water return hose, is also inside the reservoir. Center the fan on the reservoir and insert the 4 pan head screws through the pre-drilled holes on the lip of the fan onto the reservoir.



Use these 4 screws for installation of the fan over the water tank. 2 are for the front and 2 are for the back



7. Remove one of the round plastic flaps on the side of the reservoir fill it with water. Control the level of water using the water level display in the back of the tank.

8. Plug the power cord to electricity, turn the fan on, and adjust the mist flow using the knob on the back or side.

Caution

- Always leave a minimum of 12 inches of water inside the water tank to help with its stability
- Always move the water tank carefully, pushing the tank in a way that prevents accidents. Ideally the tank should be moved when the reservoir fan is empty, as the water adds considerable weight

NOTE:
Make sure the drain plug on the back bottom of the reservoir is tight.

6 18 Gallon Water Reservoir Assembly (Model No. 604135)

18 gallon reservoir fans are shipped in two boxes:

- 1 box with the fan
- 1 box with the reservoir on wheels

1. Unpack the reservoir from its box as well as accessories that came with it (in case of any). Remove all packaging protective material and place the water tank on the floor.
2. Ensure the drain plug is tightened to avoid leaks.
3. Connect the water hose to the threaded water connection on the side of the tank and confirm that the water is flowing into the tank through the entrance and floater. In case the water is not flowing, adjust the floater in a way that the water doesn't get obstructed



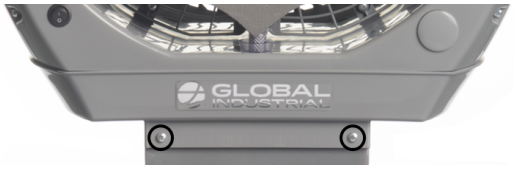
Water hose connection

4. Unpack the misting fan from its box. Remove all packaging protective material.
5. Insert the water pump with all its tubing into the reservoir through the top of the tank and place the fan "sitting" on the tank.
6. Align the holes and insert the rear screws and front screws into the tank. Use the rear metal plate to connect both parts (one in the equipment and the other in the tank) so this can be used for adjusting its angle in the future.





Use these 4 screws for installation of the fan over the water tank. 2 are for the front and 2 are for the back



7. Complete the water filling and check the water level at the back of the equipment.



Water level

8. Turn on the equipment and adjust the amount of mist you want on the side of the fan

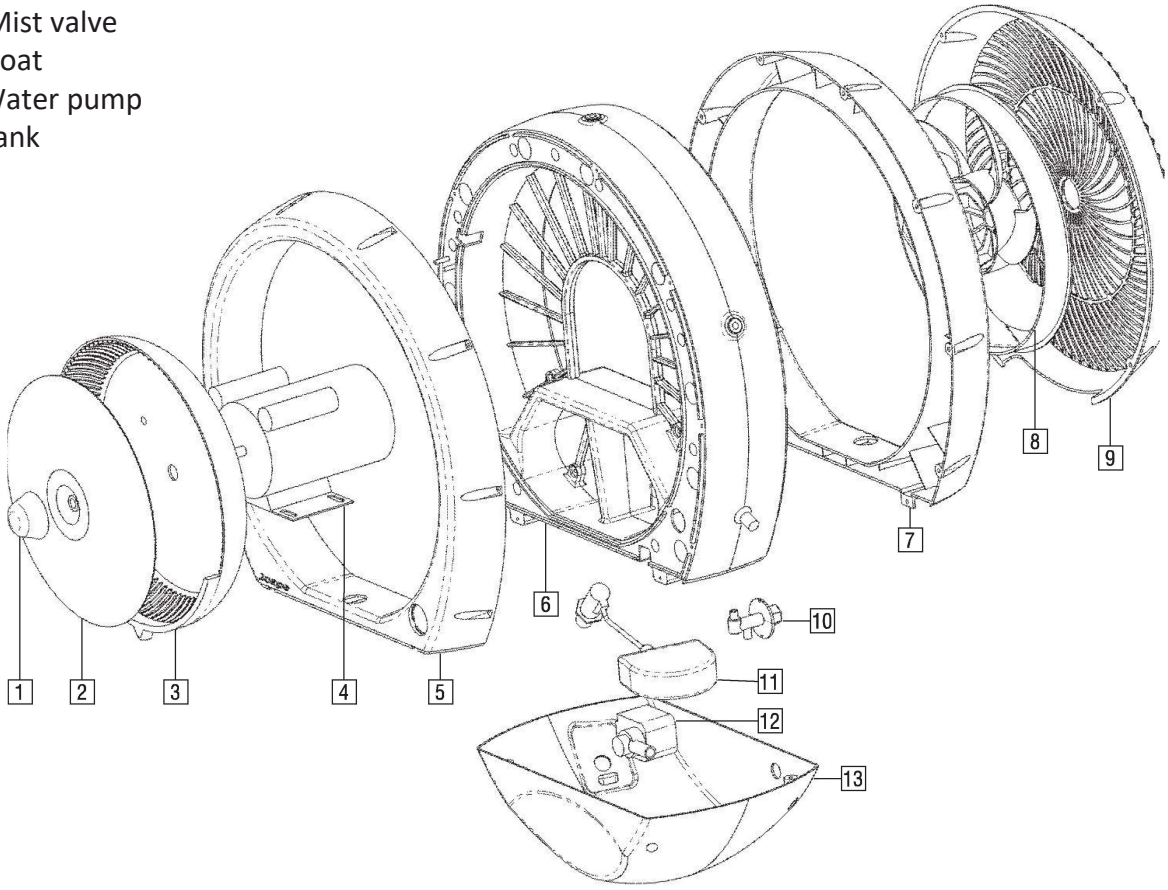


7 Operation & Cleaning

- The atomizing misting fans must be installed per factory instructions.
- The fan reservoir must be filled (reservoir fan) / reach the water line the water line (wall-mount fan) prior to operation.
- The amount of mist can be adjusted by turning the gray knob on the back or side of the fan - clockwise to reduce mist, counter clockwise to increase mist.
- Unlike regular air conditioning equipment, the atomizing mistsing fan should not be used in closed rooms or areas. Excessive humidity can result.
- In air-conditioned environments, use the atomizing fan system to increase the relative humidity of the air.
- In closed environments you must pay attention to humidity levels, we suggest you install a humidistat.
- To maximize cooling always keep the fan "upwind" so the wind helps blow the mist into the area to be cooled.
- Turn off the water supply when the fan is not in use (wall-mount).
- Atomizing misting fans must be cleaned in order to achieve its best performance.
- If unused for 10 days we suggest the tank (wall mount) or reservoir be emptied and cleaned with a mild solution of sodium hypochlorite {bleach). After cleaning, remove the drain plug on the bottom, drain all the water out, then reinsert the plug. Run the fan a few minutes with clean water to thoroughly rinse before using the fan again for cooling. IMPORTANT: Make sure all the bleach solution has been run through the fan reservoir before using it again for cooling.
- Use liquid detergent and a brush to clean the bowl and disc of the fan.
- Only water-based fragrances should be added to reservoirs or tanks.

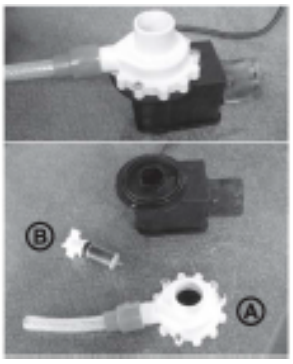
8 Components

1. Finishing cone
2. Centrifugal disk
3. Collecting cap
4. Motor
5. Frontal body
6. Central-frontal body
7. Rear body
8. Fan blades
9. Protective grid
10. Mist valve
11. Float
12. Water pump
13. Tank

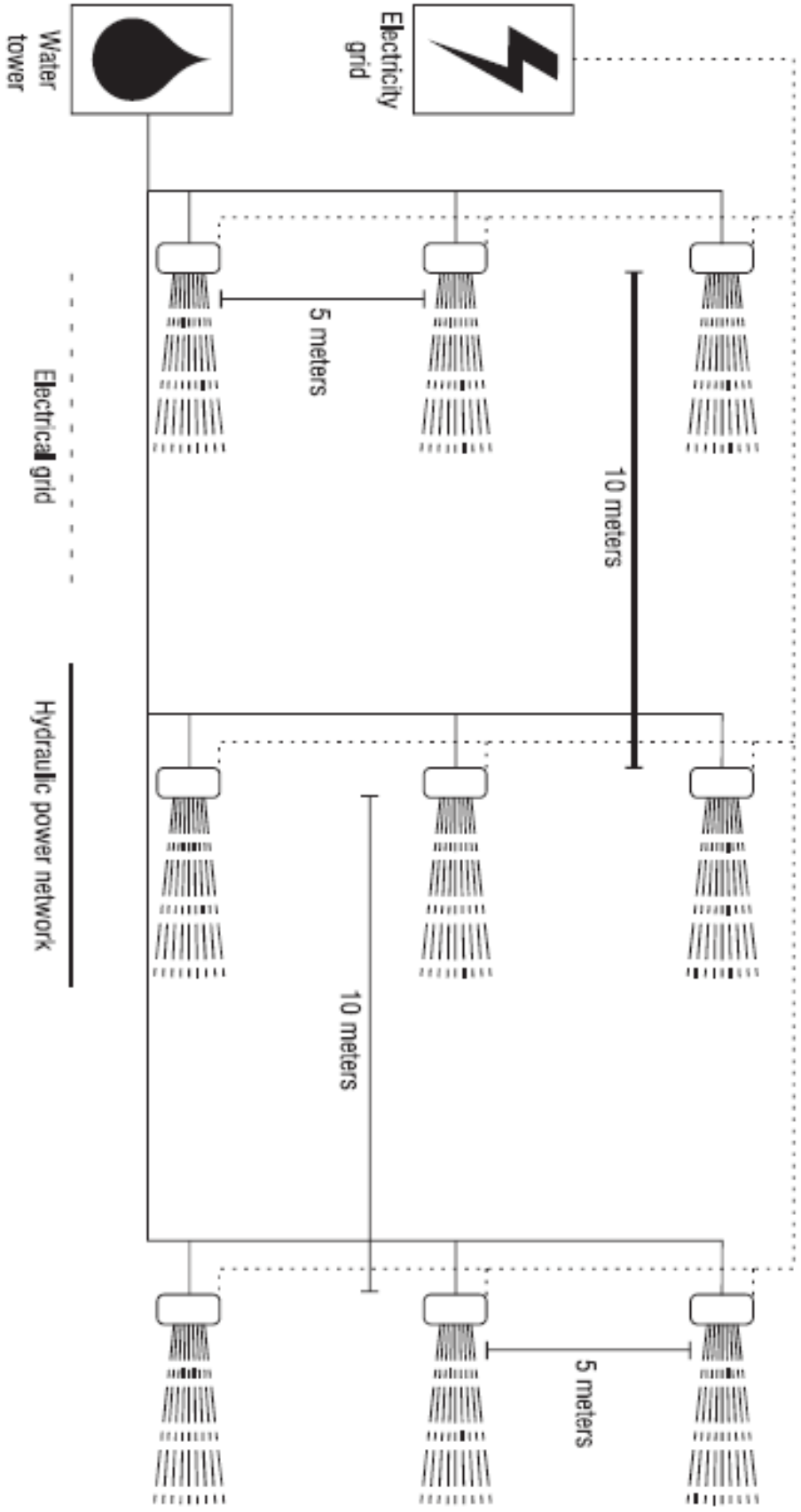


9 Water Pump Cleaning

1. Remove the pump from the reservoir.
2. Remove the water-entry frontal cover, loosening the screws (A)
3. Remove the propeller with the rotor. (B)
4. Clean all the pump parts with water and liquid neutral soap
5. Rinse all the parts and reassemble the pump.



10 Electric-Hydraulic Diagram



11 Troubleshooting

Problem	Solution
The cooling system does not work	• For reservoir fans, check if the water pump is connected to the water line. For the wall mount fans, check the bottom of the fan and verify the pump tubing connection to the mist valve. • Verify if there's no air inside the water tubing that is preventing water to flow. Turn the equipment on and off repeatedly and/or pump the air out to allow water flowing.
It will not produce mist	• Make sure the device is connected to the water line. • Make sure the mist valve is open. • Clean the water pump. • The inner valve may be clogged.
Water tank overflow Dripping next to the mist	• Check the float regulation. • Network overpressure. • The mist regulation valve may be too open. • There may be dirt in the winged reservoir.
GFI electrical outlet is "tripping" with the use of fan	• Make sure the outlet and its power grid has enough power capacity to feed the fan.
On/off switch is not working	• Contact Global Industrial customer service for a new switch
Motor(s) doesn't seem to work	• Revise power switch, electrical connections, and loose wires and carefully make sure everything is tightened
White plastic spinning disc is damaged	• Contact Global Industrial customer service for a new disc WE RECOMMEND THE REPLACEMENT OF THE WHITE PLASTIC SPINNING DISC IN FRONT OF THE EQUIPMENT EVERY 2 YEARS FROM DATE OF PURCHASE TO MAINTAIN THE IDEAL PERFORMANCE OF YOUR MISTING FAN.