



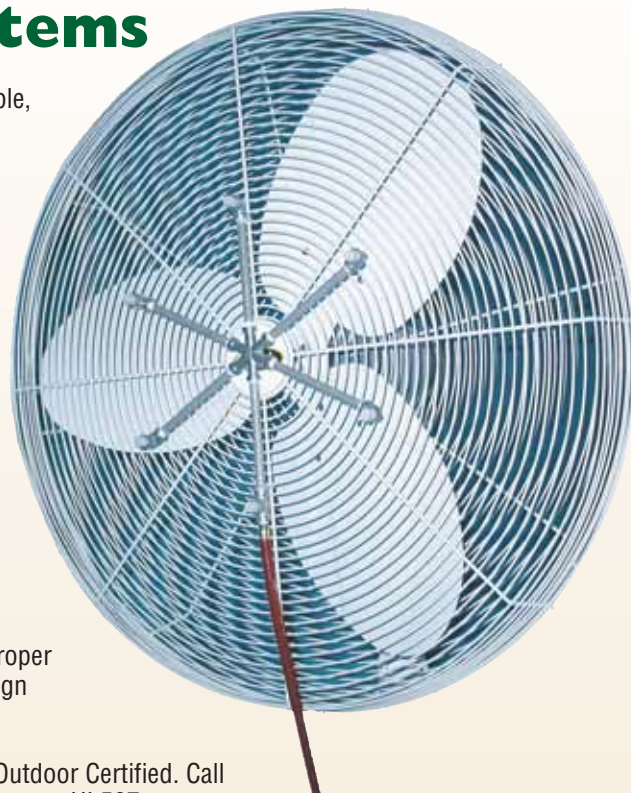
J&D Manufacturing



LEADERS IN MOVING THE WORLD'S AIR

Misting and Fogging Systems

When air exchange and velocity cooling is not enough to keep your people, plants or animals healthy, a J&D Manufacturing misting system is the way to go. Our four way and six way stainless steel crosses come completely assembled with gray nozzles, a 6' hose and female hose connector. The mist rings can be easily attached with a tie wrap to any recirculating fan guard. The strong and corrosion resistant stainless cross keeps the nozzle perpendicular to the air stream of the fan (unlike poly rings where nozzles twist and sometimes form water droplets back together). The 50 micron water droplets coming out of the nozzles create a mist pattern approximately four feet long. When the water droplet evaporates, latent heat is taken from the air. The lower the humidity is in the air, the greater the window of opportunity is to cool your building down. You must provide a zone in front of the fan 6' long x 5' wide where no solid objects will block the mist. This is important to allow the water droplets time to evaporate before reforming on a solid surface. A properly designed J&D Manufacturing misting system can drop the ambient temperature up to 20°F in low humidity.



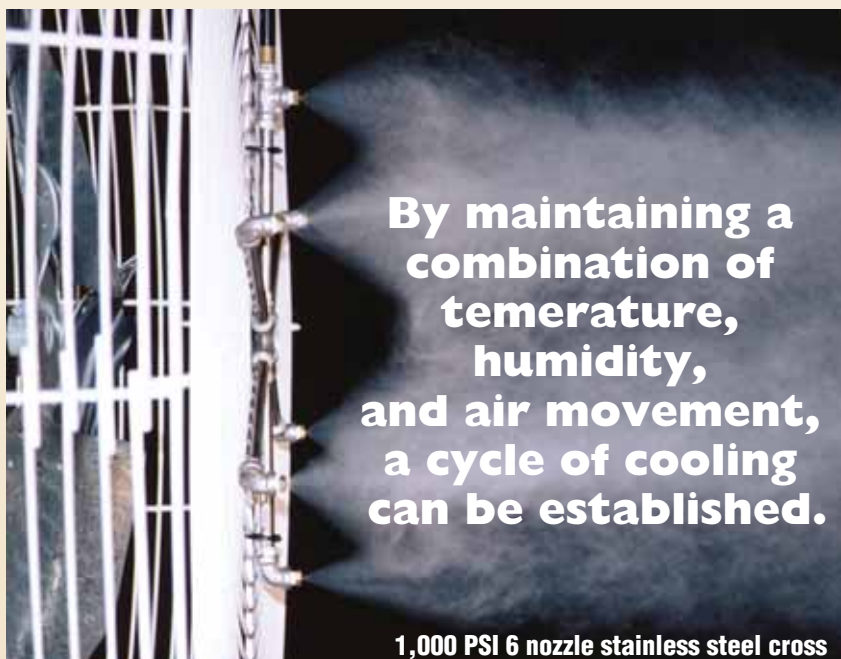
Whenever you inject moisture into a closed building, you must have a proper air exchange strategy. Call J&D Manufacturing's team of ventilation design engineers to design the proper system for you.

In some states, mist rings can only be installed on fans that are UL507 Outdoor Certified. Call J&D Manufacturing for the largest selection of low cost and high performance UL507 Certified fans.

Misting and Fogging crosses and kits come preassembled from the factory. Simply strap the unit to your fan guard and attach the fitting to your PVC header

1000 PSI Fogging

High Pressure rings are designed to work with a pump that increases water pressure to 1,000 PSI. The advantage to high pressure is the water droplet comes out in a 15 micron size and gives close to 100% flash evaporation. This means no water on floors, plants or animals (as long as a 6' x 5' no object area is provided). The brass high pressure nozzle has a built-in anti drip valve so when the pump is shut off the nozzles will not drip. Besides cooling, the 1,000 PSI system can be used to increase humidity inside buildings.



By maintaining a combination of temperature, humidity, and air movement, a cycle of cooling can be established.

1,000 PSI 6 nozzle stainless steel cross



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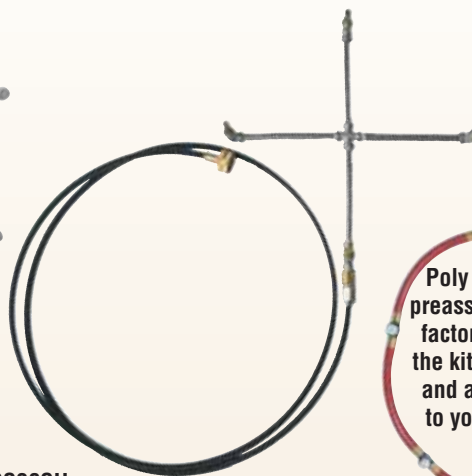
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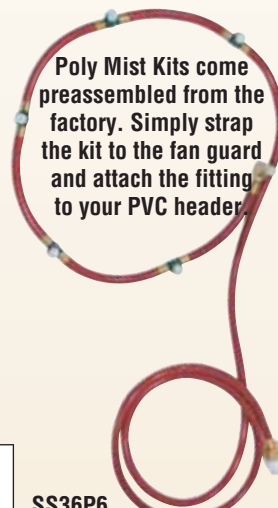
SS36S
Stainless steel cross with 6' hose, hose connector, and 4 SS418G nozzles



SS36S6
Stainless steel cross with 6' hose, hose connector, and 6 SS418G nozzles



SS36SH
Stainless steel fogging cross with 6' high pressure hose, hose connector, and 6 VIEC1000P nozzles



SS36P6
Poly 6' hose, hose connector, and 6 SS418G nozzles

Misting

Part#	Description	# of Nozzles	Nozzle Flow Rate	Total Water Usage	Flow Rate PSI
Misting GPH is based on 40 PSI of water pressure					
SS36S	4-way SS cross w/6' hose & SS418G nozzles	4	0.72 GPH	2.88 GPH	40
SS36S6	6-way SS cross w/6' hose & SS418G nozzles	6	0.72 GPH	4.32 GPH	40
SS36P4	4 Nozzle poly mist kit w/6' hose & SS418G nozzles	4	0.72 GPH	2.88 GPH	40
SS36P6	6 Nozzle poly mist kit w/6' hose & SS418G nozzles	6	0.72 GPH	4.32 GPH	40

Misting Accessories

SS418B	Blue mist nozzle 1.6 GPH	1	1.68 GPH	1.68 GPH	40
SS418C	Cream mist nozzle 1.2 GPH	1	1.20 GPH	1.20 GPH	40
SS418G	Gray mist nozzle 0.7 GPH	1	0.72 GPH	0.72 GPH	40
SS05	10" Blue magnum filter w/cartridge				
SS05M	Replacement filter cartridge 5 micron final filter				
SS06F	Replacement filter cartridge				

High Pressure Fogging

High Pressure Fogging GPH is based on 1,000 PSI of water pressure

SS36SH	4-way SS Fogging cross w/anti-drip brass VIEC1000P nozzles	4	1.2 GPH	4.8 GPH	1,000
SS36SH6	6-way SS Fogging cross w/anti-drip brass VIEC1000P nozzles	6	1.2 GPH	7.2 GPH	1,000

High Pressure Fogging Accessories

VIEC1000D	1/8" brass nozzle x .008 orifice	1	1.2 GPH	1.2 GPH	1,000
VIEC1000P	1/8" brass nozzle x .008 orifice anti-drip nozzle assembly	1	1.2 GPH	1.2 GPH	1,000
SS43	1/8" brass nozzle x .008 orifice	1	1.2 GPH	1.2 GPH	1,000
VIEC1000I	Auto drain valve high pressure				
VIEC1000A	3/8" High pressure nylon tubing				
VIEC1000H	3/4" GHT X 3/8" slip LOK brass hose adapter				
VIEC1000M	3/8" Slip LOK X 1/4" NPT for attaching hose to cross				
VHPR110	High pressure 4 filter head				

We recommend for 18" and 20" fans 4 nozzles, for 24" and 36" fans 6 nozzles



VIEC1000P
SS43
VIEC1000D VIEC1000I



SS418B - Blue Nozzle
SS418C - Cream Nozzle
SS418G - Gray Nozzle