

Misting System



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- For the cooling and providing humidity of the poultry farms and green houses and mushroom growing rooms and gyms etc.
- Creation of beautiful effects by producing artificial mist used for restaurants, halls and touristic places without wetting the floor.
- The possibility of connecting to a hot water source to create humidity with a pleasant temperature in cold seasons
- Controlling dust, odor and pollutant in industries such as textile industry
- Cooling open spaces at the lowest cost
- In some cases, it can be used for spraying in greenhouses
- Controlling insects and pollutants in livestock and poultry farms.

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Technical Feature Table

Power Supply	3-380-50	Ph-V-Hz
Net Weight	52	Kg
Dimensions (height, width, length)	150*43*53	cm
Electric Motor	2.2-1400	Kw-rpm
Piston Pump (Bertolini)	110-200	bar
Water Consumption	10-6	L/min
Tank Capacity	70	L



NFM- type, SS			FLOW RATE / OPERATING PRESSURE RANGE										
Series #	Orifice	Bar	10	15	20	25	30	35	40	45	50	55	60
#15	0.15mm	LPM	-	-	-	0.030	0.033	0.036	0.038	0.040	0.043	0.045	0.047
	0.006"	GPM	-	-	-	0.008	0.009	0.009	0.010	0.011	0.011	0.012	0.012
#20	0.20mm	LPM	-	-	0.036	0.040	0.044	0.048	0.051	0.054	0.057	0.060	0.062
	0.008"	GPM	-	-	0.010	0.011	0.012	0.013	0.013	0.014	0.015	0.016	0.017
#30	0.30mm	LPM	-	0.053	0.060	0.068	0.075	0.081	0.086	0.091	0.096	0.101	0.105
	0.012"	GPM	-	0.014	0.016	0.018	0.020	0.021	0.023	0.024	0.025	0.027	0.028
#40	0.40mm	LPM	0.065	0.080	0.093	0.104	0.113	0.123	0.131	0.139	0.146	0.154	0.160
	0.016"	GPM	0.017	0.021	0.024	0.027	0.030	0.032	0.035	0.037	0.039	0.041	0.042
#50	0.50mm	LPM	0.072	0.088	0.102	0.114	0.125	0.135	0.144	0.153	0.161	0.169	0.176
	0.020"	GPM	0.019	0.023	0.027	0.030	0.033	0.036	0.038	0.040	0.043	0.045	0.047



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Misting System Parts

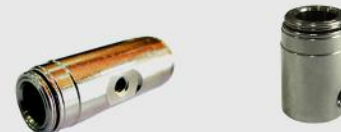
- **Nozzle**

High pressure water droplets after passing through nozzle, turn into micrometer air particles suspended in the air. Water droplets with these dimensions evaporate easily and provide the right humidity and proper temperature of the hall without wetting the floor. The nozzle is made of stainless steel which is available in sizes from 20 to 100 microns. The nozzles can be washed and disinfected.



- **Nozzle base and bottom line**

The nozzles are connected to the water pipes by the nozzle base. The base and pipe connection are fitted and completely sealed. The bases are made of stainless steel. At the bottom of the lines one-way bases are used.



- **Polyamide pipe**

Flexible high-pressure pipes are used to transfer high-pressure water throughout the hall and behind the nozzles. Connection of the pipes to the nozzle base is self-locking.



- **Electro-pump**

The used pump is produced by Italian Company, Bertolini with a 100 to 200 bar that is coupled directly to the electric motor by the company.



- **Control system**

The electrical panel by multiple automatic and manual modes is connectable to the automation and humidity sensors, ensures the safety and performance of the device. The source water level is controlled by an electric floater.



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- Filter

The water entering the source passes through two fine and coarse particle filters so that the channels of the nozzles and the pump are not blocked.



- Tank

low pressure water first stores in a 70-liter polymer tank and then enters the high-pressure pipes by the pressure of the pump.



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