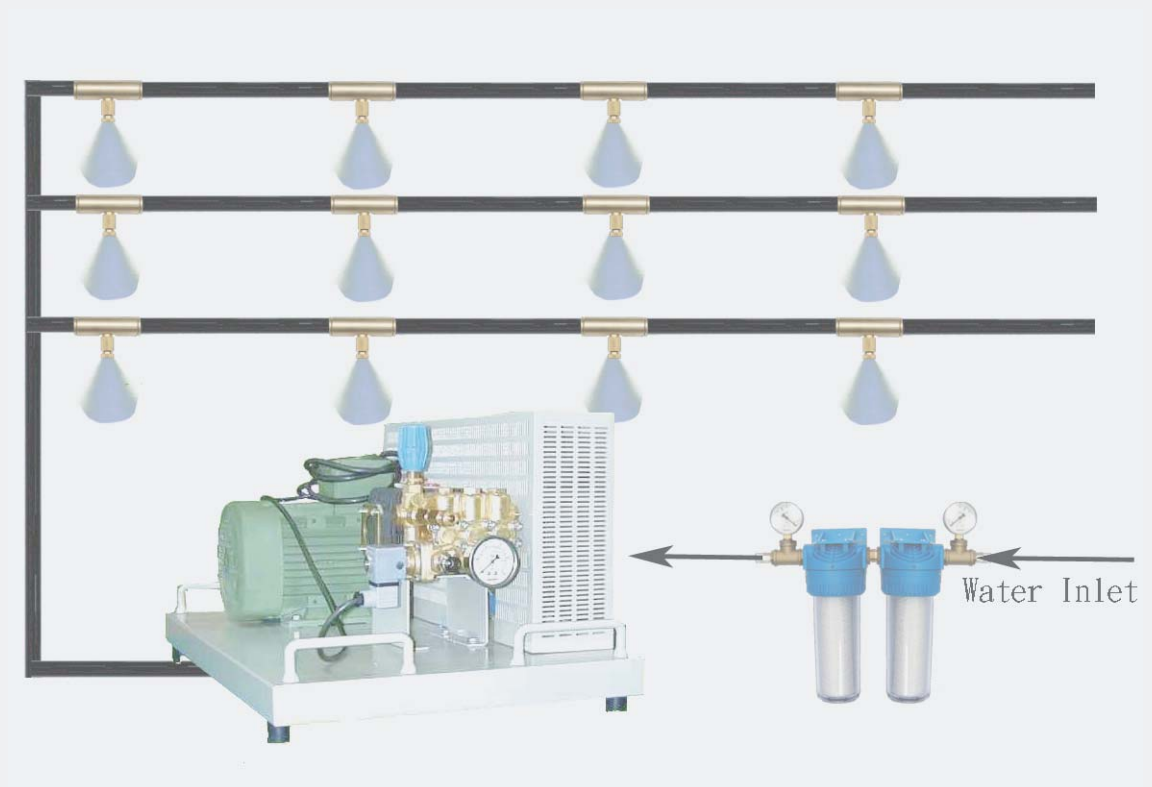


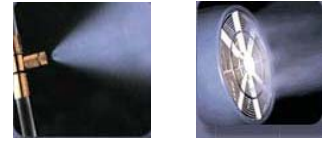
Normist Water Mist System



Expert of Water Mist System

Normist Water Mist System

Normist Water Mist system provide greater comfort level for outdoor seating and recreation areas plus our system can be used in various industrial and manufacturing processes where a reduction in temperature can increase output or safety at a lower cost than alternative solutions.



Features

- Up to 10°C Temperature Drop
- 800 - 1000PSI Operation
- 10 Micron Sized Droplets
- No Wetting or Dripping
- Fast Installation
- Uses "Push-On" Style Nozzles
- Exact pre-design is not necessary; kit includes enough nozzles & fittings to install it in several ways
- Fittings and nozzles may be added or removed as you like

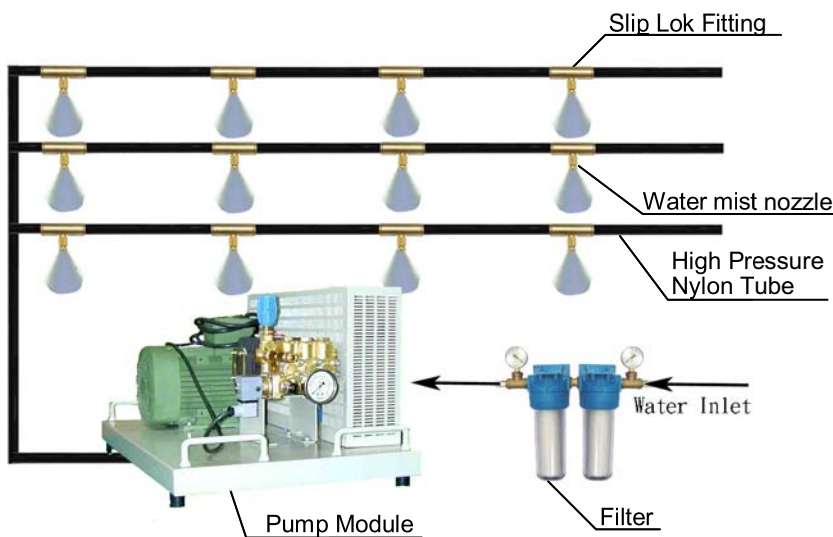
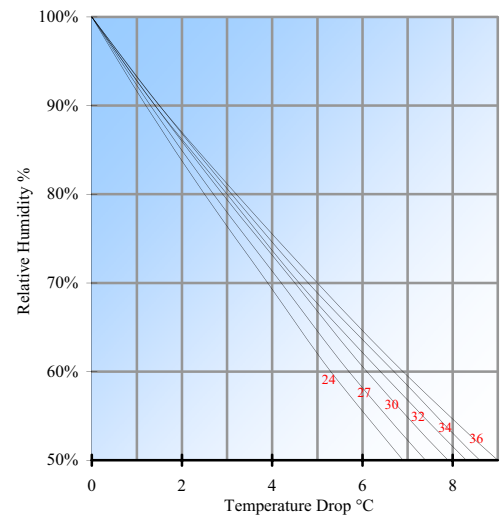
How it Work

Normist Cooling System pumps ordinary water at 1000PSI pressure through a manifold tube, where it is released through highly specialized low flow atomization nozzles to form a mist of 10 micron sized droplets. When ultra fine water droplets (10 micron sized droplets) are introduced into the atmosphere, they quickly absorb the energy present in the environment and boil off (evaporate). The energy (heat) that is used to produce this state change from liquid to gas is eliminated from the atmosphere; hence the air is cooled by the process called evaporative cooling.

Application

- Cooling - reducing high temperatures in large outdoor areas
- Dust suppression - minimizing excessive dust problems
- Special Effect - To creat Fog/Smoke
- Humidification - increasing the humidity of storage and processing facilities

Normist Mist Cooling Chart



Pump Module



Standard Pump Module includes a high pressure triplex plunger pump c/w TEFC motor, 1000 PSI (70 bar) operating pressure, adjustable pressure regulator, electric solenoid valve, oil sight gauge and pressure gauge.



Enhanced Pump Module includes a high pressure triplex plunger pump c/w TEFC motor, 1000 PSI (70 bar) operating pressure, adjustable pressure regulator, electric solenoid valve, oil sight gauge, pressure gauge, completely closed enclosure with On/Off switch.

Complex Pump Module includes a high pressure triplex plunger pump c/w TEFC motor, 1000 PSI (70 bar) operating pressure, adjustable pressure regulator, electric solenoid valve, oil sight gauge, pressure gauge, completely closed enclosure with Manuel/Off/Auto switch, programmable On/Off

Type	Standard								Enhanced			Complex					
	AJ1	AJ2	AJ4	AJ9	AJ15	ATM20	ATT24	KKV36	AJ2-C	AJ4-C	KM12	AJ2N	AJ4N	KM6N	KM9N	KM12N	
Model																	
Flow (l/min)	1	2	4	9	15	20	24	36	2	4	12	2	4	6	9	12	
Operating Pressure (bar)	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	
Pressure Regulator	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Motor Rating (kW)	0.75	0.75	1.1	1.5	3	4	5.5	7.5	0.75	1.1	3	0.75	1.1	1.1	1.5	2.2	
Type of Drive	Direct	Direct	Direct	Direct	Direct	Belt	Belt	Belt	Direct	Direct	Belt	Direct	Direct	Belt	Belt	Belt	
Electric Solenoid valve	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Oil Sight Gauge	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Pressure Gauge	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Max. nos of Nozzles (0.2mm orifice size)	14	22	50	110	160	250	300	450	22	50	150	22	50	75	100	150	
Enclosure with On/Off switch	No	No	No	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Package Control -Programmable Timer -Programmable Drain -Motor Protection	No	No	No	No	No	No	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	
Water Inlet Connection (Slip-Lok)	10 mm	10 mm	10 mm	12 mm	12 mm	20 mm	20 mm	20 mm	10 mm	10 mm	12 mm	10 mm	10 mm	10 mm	12 mm	12 mm	
Water Outlet connection (Slip-Lok)	3/8"	3/8"	3/8"	3/8"	3/8"	1/2"	1/2"	1/2"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	
Single Phase 230V	Yes	Yes	Yes	Yes	No	No	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	
Three Phase 400V	No	No	No	No	Yes	Yes	Yes	Yes	No	No	Yes	No	No	No	No	No	
Starter Panel	PSS				PST4			PST7.5		PSS		PST4		PSS			PST4
Net weight (kg)	24	25	28	28	38	60	95	106	36	38	48	41	43	54	56	57	

Starter Panel



- Main On/Off switch, indication lights for power supply, system operation and fault.
- Motor overload protection with reset buttons.
- CE, IP54 rated metal electrical enclosure with lockable enclosure door
- Manual/Off/Auto selector switch for system operation
- Low water pressure protection circuit.
- Programmable timer and hour run meter (option)

Nozzle/Fitting/Mist Fan

Nozzle and Tubing



Brass / Stainless Steel Nozzles

- Brass or 303 S.S Steel Construction.
- 10-micron fog droplets
- An anti-drip mechanism
- Accurate delivery rate
- 0.1 – 0.7 mm orifice size



Nylon High Pressure Tubing

- Up to 2000 PSI burst pressure
- Simple "press-on" fitting connections
- Any nozzle spacing is possible with several layout options.
- UV resistant construction
- Straight form or coil form.



Brass or Stainless Steel Slip-Lok Fitting

- Brass or 303 stainless steel Construction
- Standard pipe threads
- Simple installation, just "press-on" features.
- Shipped loose for on site assembly.



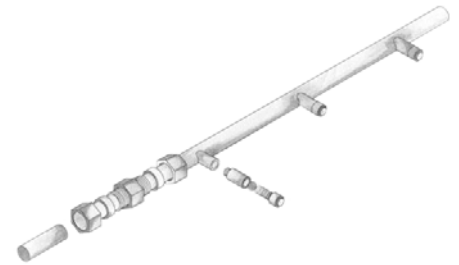
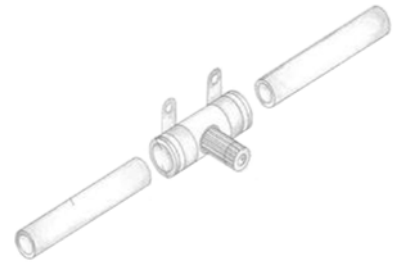
Stainless Steel Compression Fitting

- Stainless steel construction.
- Standard pipe threads.
- Ordinary wrenches are used for field connections.



Rigid Stainless Steel Atomization Line

- Up to 3200 PSI burst pressure
- Stainless steel construction
- Nozzle saddles are TIG / Heli Arc welded onto the stainless tubes at the factory.
- Nozzles are mounted and spaced at regular intervals, special centering is available.
- Corrosive resistant



Mist Fan



- Motor are TEFC, IP55, Class F insulation
- Thermal protection on fan motor.
- Plastic fan shroud and base cover.
- Stainless steel front and back guards.
- S.S misting ring
- 2 stages misting ring for 4 + 3 nozzles
- 3 adjustable oscillation courses for the fan. 60° or 90° or 120°
- The fan tilts forward (20°) and backward (10°).
- Adjustable fan height. (+35 cm)
- Stainless steel fan mast and all exposed parts
- IP67 electric socket.
- 1 l/minute 70 bar incorporated high pressure pump.
- 3/8" HP output for supply another NF60 portable fan.
- Equipped with programmable timer.
- Equipped with low-pressure water sensor for pump protection.
- Equipped with electrically controlled and programmable drain system.



- Motor : TEFC, IP55, Class F Insulation
- Thermal protection on fan motor
- All metallic parts are stainless steel
- Stainless steel front and back guard
- Misting ring make from stainless steel
- 90 oscillation course with oscillation box
- The fan are vertically adjustable

Distribute by:

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