

Fog Misting Typical Installation



FogDeck

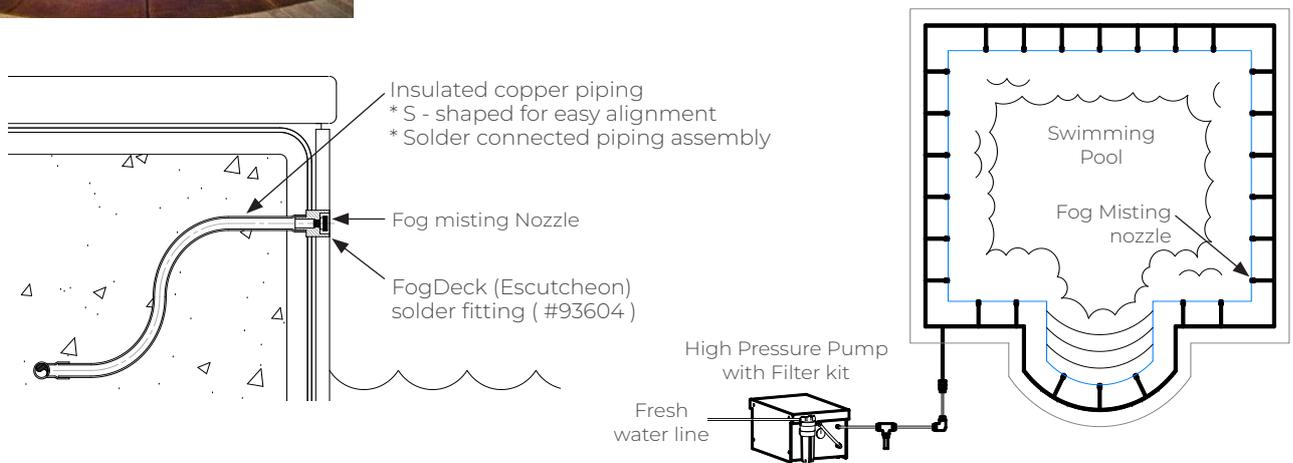
The Fog Deck assembly features a fog misting nozzle integrated with FogDeck (Escutcheon) solder fittings and insulated copper piping. The escutcheon fittings provide a sleek appearance by concealing the nozzle, ensuring a tidy look while maintaining a safe environment.

System Location:
Swimming pool deck or side wall, Water play deck.

Nozzle Spacing:
18", 24", or 30"

Nozzle Size:
0.012", 0.016", or 0.020"

Required Equipment:
Misting Nozzle,
FogDeck (Escutcheon) solder fitting,
Insulated copper piping,
Copper solder fittings, Brass compression,
High pressure pump, Filter Kit.



Mistcapping

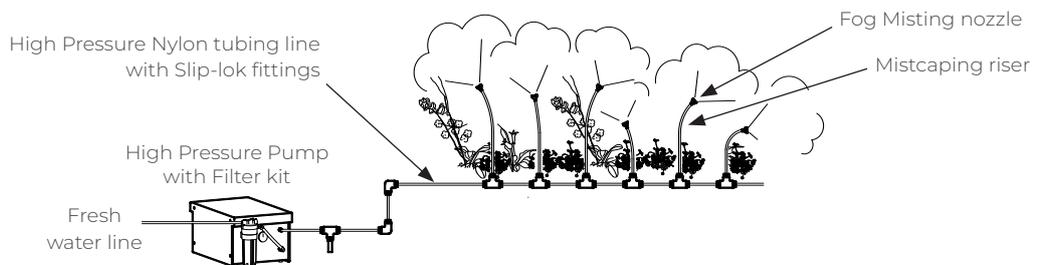
It requires trenching the Feed line throughout the landscape area and inserting Mistcapping Risers where need for desired effect. The risers are generally hidden amongst the landscaping which provides a rolling fog effect without exposing the tubing or nozzles.

System Location:
Throughout the landscape area

Nozzle Spacing:
Determined by size /scope of the project

Nozzle Size:
0.012", 0.016", or 0.020"

Required Equipment:
Misting Nozzle, Mistcapping riser,
High Pressure Nylon Tubing, Slip-Lok fittings,
High pressure pump, Filter Kit.



Fog Misting System	Fog Misting Series	Model No.	Rev. 0	
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Outdoor Cooling System

Can provide dramatic temperature reductions. The system should surround all open sides of the area to be cooled. Incorporating Fans would facilitate the evaporation process and allow for increased nozzle spacing. Higher temperatures, uncovered areas, increased mounting height, eastern or western exposure, and heavy wind conditions may require closer nozzle spacing or larger orifice. Lower temperatures, higher humidity levels, or restricted airflow may require spacing the nozzles further apart or using smaller nozzle orifice.

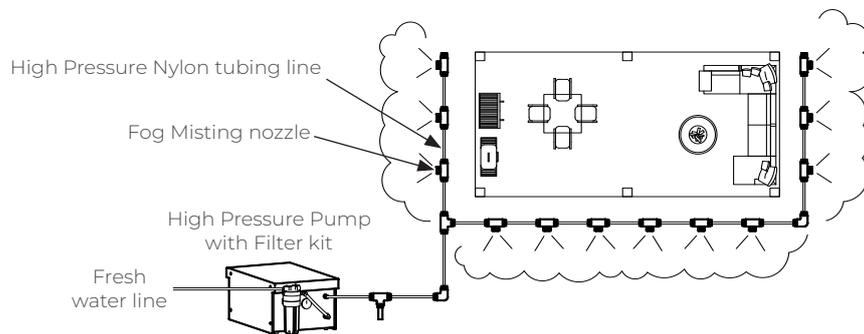
System Location:
Around the perimeter of all open sides of the area to be cooled.

Mounting Height: 10' to 12'

Nozzle Spacing: 30"

Nozzle Size: 0.012"

Required Equipment:
Misting Nozzle,
High Pressure Nylon Tubing, Slip-Lok fittings,
High pressure pump, Filter Kit,
and mounting hardware.



Greenhouse Humidification

Treated water will ensure minimal nozzle plugging and will eliminated any possible adverse development due to TDS or calcium present in the water supply. The system may also require the inclusion of temperature and humidity sensors to control the operation of the fog system. Increasing airflow will always improve the cooling and humidification capabilities of the fog system.

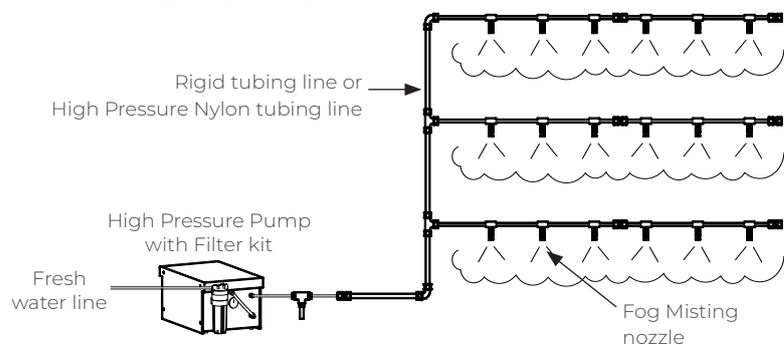
System Location:
Multiple lines strategically placed to allow for even distribution throughout the length of the warehouse.

Mounting Height: 12' to 15'

Nozzle Spacing: 48"

Nozzle Size: 0.012"

Required Equipment:
Misting Nozzle,
Rigid tubing line with Compression fittings or
High Pressure Nylon tubing line with Slip-lok fittings
High pressure pump, Filter Kit.



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Commercial or Industrial Humidifier System

A Commercial or Industrial humidification system can control humidity levels in an Industrial environment, create optimal conditions for health, manufacturing and Plant growth, and so on. Typically used in agriculture, concrete curing, manufacturing, wine storage, and other moisture-sensitive environment. A typical warehouse system assumes an outside temperature of 100°F (37.8°C), 25% humidity, and high ceiling with existing airflow and minimal equipment or racking

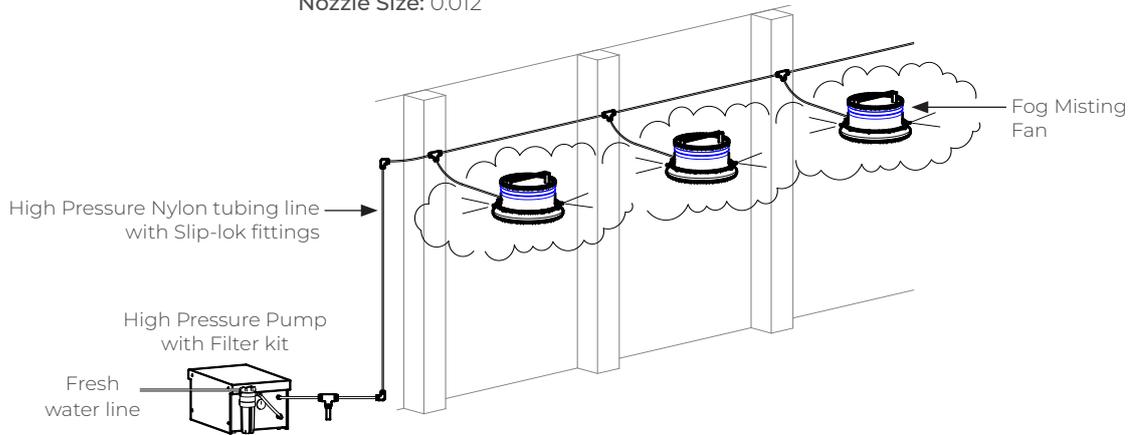
System Location:
Strategically place fog fans throughout the indoor area. Use additional portable fans to facilitate the airflow.

Mounting Height: 15' to 20' w/ clearance of no less than 30'

Nozzle Size: 0.012"

Required mist per Area:
1 GPM per 170,000 ft³ [3.8 lpm per 4814 m³]

Required Equipment:
Fog Fan, Misting Nozzle, High Pressure Nylon Tubing, Slip-Lok fittings, High pressure pump, Filter Kit.



Odour Control Application

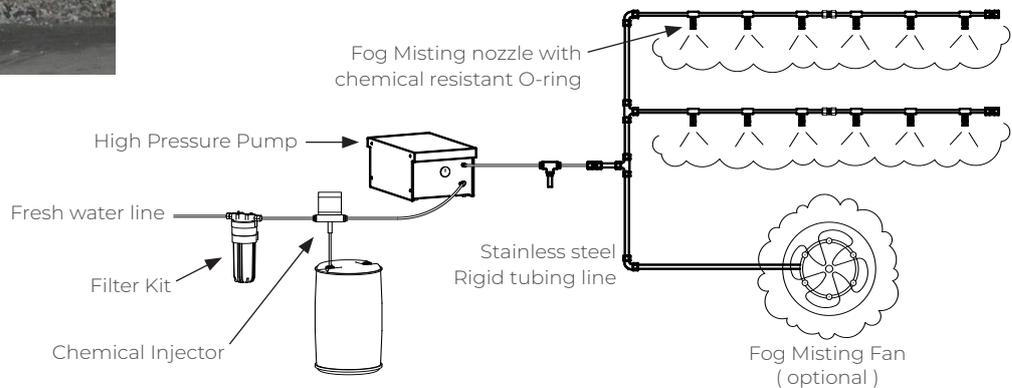
By providing a chemical injector and the appropriate type of chemical, any Fog system can be used to control odour.

System Location:
Throughout the perimeter

Nozzle Spacing:
Determined by size /scope of the project

Nozzle Size:
0.012", 0.016", 0.020"

Required Equipment:
Misting Nozzle, Misting Nozzle with chemical resistant O-rings, Stainless steel Tubing, Compression fittings, High pressure pump, Filter Kit. Chemical Injector and appropriate type of chemical.



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Dust Control

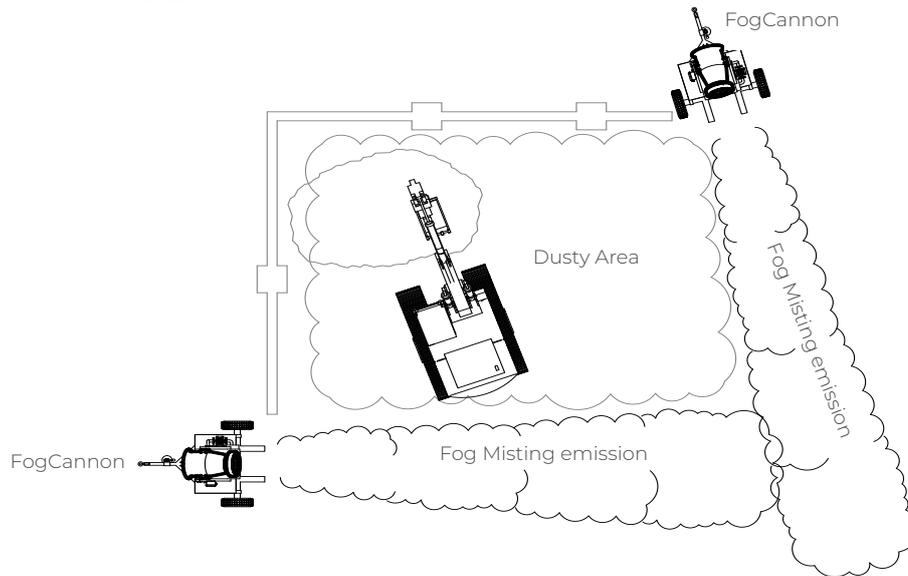
Fog misting system produces atomized mist in the optimal 50 - 200 micron range, ensuring that water droplets effectively capture dust without the slipstream effect. Indoor dust control require the entire area to have an even distribution of fog. For Outdoor dust control applications, FogCannons are usually used for creating mist curtain around the perimeter, moistens dust particles, making them heavy enough to settle on the ground, preventing puddles and muddy conditions while maintaining a dust-free space.

System Location:

Multiple lines strategically placed to allow for even distribution throughout the perimeter

Required Equipment:

FogCannon



Designing a System

When beginning the process of designing a system, it is important to consider all variables that affect the systems performance. The following are important considerations.

1. First review the site condition and determine all variables that may affect the system. Document the height and overall size of the job site. Consider the expectations or needs for system before defining the system design.
2. Determine the best placement for the tubing (or fog fans) while accounting for these variables.
3. Once the tubing placement is defined, pick the appropriate nozzle size and determine the nozzle and line spacing. Layout the entire system and calculate the required water flow (qty of nozzles X nozzle flow) and the total tubing length. Use this to determine the required pump size and Fog line tubing size.
4. Pick the most suitable pump depending on the system workload and customer expectations. Locate the power supply and water supply. Use this to determine the best possible pump site.
5. Determine the length and placement of all Feed line and Branch line tubing from the pump site to the Fog line. Add this length to the Fog line length to determine total system tubing length. Use this length, along with the system flow requirements, to determine the necessary feed line tubing size and the possible requirement for branch line transitions between the feed line and fog line.
6. Lastly, consider the water condition as rated Total Dissolved Solids (TDS) and the Calcium content as rated in Parts Per Million (PPM) to determine the proper in-line filter housing and cartridge.

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Fog Misting System - Nylon Tubing and Slip-lok fittings

Function

Nylon tubing and Slip-lok fittings assembly allows a quick and simple installation. High pressure nylon tubing's has an operating pressure of 1000psi. Slip-lok fittings has a unique design allowing them to be easily removed, replaced, or re-installed anytime after the initial installation (no crimping required). These are rated at 1500psi.

Misting nozzles are specially placed in line around the perimeter to connected to a high pressure pump. Available in orifice sizes from 0.2mm to 0.5mm. Spray patterns vary from 45° to 90° depending on the size and type of the nozzle.

Synflex tubing is a 1/4" flexible feed line with working pressure of 1500psi. Synflex fittings allows the feed line to be cut to length and assembled on site. No crimping required.



Model No.	Description	Measurement
#94500	1/4" High pressure Nylon tubing - 500ft / roll	Ø1/4" , Length = 152 meters
#90425	1/4" High pressure Nylon tubing - 25ft / roll	Ø1/4" , Length = 7.5 meters
#94501	1/4" High pressure Nylon tubing - per foot	Ø1/4"
#93072	3/8" High pressure Nylon tubing - 500ft / roll	Ø3/8" , Length = 152 meters
#90063	3/8" High pressure Nylon tubing - 100ft / roll	Ø3/8" , Length = 30 meters
#92700	3/8" High pressure Nylon tubing - 50ft / roll	Ø3/8" , Length = 15 meters
#93562	3/8" High pressure Nylon tubing - per foot	Ø3/8"
#90550	1/2" High pressure Nylon tubing - 500ft / roll	Ø1/2" , Length = 152 meters
#90551	1/2" High pressure Nylon tubing - per foot	Ø1/2"
#92680	1/4" Vinyl coated Steel clamp	for Ø1/4" tubing
#93328	3/8" Vinyl coated Steel clamp	for Ø3/8" tubing
#92714	1/2" Vinyl coated Steel clamp	for Ø1/2" tubing
#94858	1/4" Slip-lok x 1/8" Male thread adaptor	for Ø1/4" tubing
#94853	1/4" Slip-lok x 1/4" Male thread adaptor	for Ø1/4" tubing
#94707	1/4" Slip-lok x 3/8" Male thread adaptor	for Ø1/4" tubing
#93163	3/8" Slip-lok x 1/8" Male thread adaptor	for Ø3/8" tubing
#92712	3/8" Slip-lok x 1/4" Male thread adaptor	for Ø3/8" tubing
#92707	3/8" Slip-lok x 3/8" Male thread adaptor	for Ø3/8" tubing
#92708	3/8" Slip-lok x 1/2" Male thread adaptor	for Ø3/8" tubing
#92854	1/2" Slip-lok x 3/8" Male thread adaptor	for Ø1/2" tubing
#92855	1/2" Slip-lok x 1/2" Male thread adaptor	for Ø1/2" tubing

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Fog Misting System - Nylon Tubing and Slip-lok fittings

	Model No.	Description	Measurement
	#92507	3/8" Slip-lok x 1/4" Female thread adaptor	for Ø3/8" tubing
	#92709	3/8" Slip-lok x 3/8" Female thread adaptor	for Ø3/8" tubing
	#94132	1/2" Slip-lok x 3/8" Male thread 90° elbow adaptor	for Ø1/2" tubing
	#94131	1/2" Slip-lok x 1/2" Male thread 90° elbow adaptor	for Ø1/2" tubing
	#94130	1/2" Slip-lok x 1/2" Male thread 45° elbow adaptor	for Ø1/2" tubing
		#92702	3/8" Slip-lok coupling
#92703		3/8" Slip-lok elbow	for Ø3/8" tubing
#92704		3/8" Slip-lok 3-way T	for Ø3/8" tubing
#92711		3/8" Slip-lok 4-way cross	for Ø3/8" tubing
		#94630	1/4" Slip-lok T w/o nozzle
	#92630	3/8" Slip-lok T w/o nozzle	for Ø3/8" tubing, Thread 10/24F
	#93923	3/8" Mistcapping Adaptor	for Ø3/8" tubing, Thread 10/24F
	#93225	3/8" Slip-lok Mistcapping Riser (w/ 12" length memory tube)	for Ø1/4" tubing, Thread 10/24F
	#93226	3/8" Slip-lok Mistcapping Riser (w/ 24" length memory tube)	for Ø3/8" tubing, Thread 10/24F
	#92706	3/8" Slip-lok end plug	for Ø3/8" tubing

Synflex tubing

	Model No.	Description	Measurement
	#94001	1/4" Synflex tubing - 500ft / roll	Ø1/4" , Length up to 152 meters
	#94144	1/4" I.D. Synflex x 1/4" NPT Male thread adaptor	for Ø1/4" Synflex tubing
	#94145	1/4" I.D. Synflex x 1/4" NPT Female thread adaptor	for Ø1/4" Synflex tubing

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Fog Misting System - Nylon Tubing and Slip-lok fittings

Fog misting Nozzles

	Model No.	Description	Orifice	Flow (LPM)	Pressure	Spray pattern	Droplet size	O-ring colour
 <p>Wt.: 2.72g Thread Size: 10/24 Dimensions: Ø9.5 x 10mm</p>	#93508	Standard Brass Nozzle	0.008"	0.08	(1000psi) 703.25m head	60°	1.4µ - 37.9µ ; MD=12.7µ	Red
	#93512		0.012"	0.11		70°	1.6µ - 39.1µ ; MD=13.1µ	Black
	#80450		0.016"	0.17		80°	3.8µ - 47.9µ ; MD=13.8µ	Brown
	#93520		0.020"	0.21		90°	9.5µ - 49.9µ ; MD=15.2µ	Green
 <p>Wt.: 9g Thread Size: 10/24 Dimensions: Ø9.5 x 25mm</p>	#95031	Cleanable Anti-drip Brass Nozzle	0.006"	0.04	(1000psi) 703.25m head	45°	1.1µ - 35.7µ ; MD=11.3µ	Yellow
	#95037		0.008"	0.06		55°	1.4µ - 37.9µ ; MD=12.7µ	Red
	#95038		0.012"	0.10		65°	1.6µ - 39.1µ ; MD=13.1µ	Black
	#95039		0.016"	0.14		75°	3.8µ - 47.9µ ; MD=13.8µ	Brown
	#95040		0.020"	0.17		85°	9.5µ - 49.9µ ; MD=15.2µ	Green
 <p>Wt.: 9g Thread Size: 10/24F Dimensions: Ø9.5 x 25mm</p>	#95032	Cleanable Anti-drip Stainless steel Nozzle	0.006"	0.04	(1000psi) 703.25m head	45°	1.1µ - 35.7µ ; MD=11.3µ	Yellow
	#95033		0.008"	0.06		55°	1.4µ - 37.9µ ; MD=12.7µ	Red
	#95034		0.012"	0.10		65°	1.6µ - 39.1µ ; MD=13.1µ	Black
	#95035		0.016"	0.14		75°	3.8µ - 47.9µ ; MD=13.8µ	Brown
	#95036		0.020"	0.17		85°	9.5µ - 49.9µ ; MD=15.2µ	Green
 <p>Wt.: 9g Thread Size: 10/24F Dimensions: Ø9.5 x 25mm</p>	#95032-SS316	Cleanable Anti-drip Stainless steel 316 Nozzle	0.006"	0.04	(1000psi) 703.25m head	45°	1.1µ - 35.7µ ; MD=11.3µ	Yellow
	#95033-SS316		0.008"	0.06		55°	1.4µ - 37.9µ ; MD=12.7µ	Red
	#95034-SS316		0.012"	0.10		65°	1.6µ - 39.1µ ; MD=13.1µ	Black
	#95035-SS316		0.016"	0.14		75°	3.8µ - 47.9µ ; MD=13.8µ	Brown
	#95036-SS316		0.020"	0.17		85°	9.5µ - 49.9µ ; MD=15.2µ	Green

Fog misting Nozzle Adaptors and Accessories

	Model No.	Description	Measurement
	#93501	Brass 1.5" Nozzle Extension	Ø9.5mm, Length: 38.1mm, Thread 10/24
	#93597	Copper 6" Nozzle Extension	Ø9.5mm, Length: 152.4mm, Thread 10/24
	#92808	Copper 12" Nozzle Extension	Ø9.5mm, Length: 304.8mm, Thread 10/24
	#94506	Stainless steel 6" Nozzle Extension	Ø9.5mm, Length: 152.4mm, Thread 10/24
	#94512	Stainless steel 12" Nozzle Extension	Ø9.5mm, Length: 304.8mm, Thread 10/24
	#93013	Stainless steel 3 Nozzle Cluster	Ø20mm x 30mm, Thread 10/24
	#93019	Stainless steel 5 Nozzle Cluster	Ø20mm x 34mm, Thread 10/24
	#95041	Stainless steel Nozzle swivel adaptor	Ø9.5mm x 25mm, Thread 10/24
	#92519	1/8" MPT x 10/24F Brass Nozzle adaptor	Ø9.5mm x 25mm, Thread 1/8" MPT x 10/24
	#92519	12/24M x 10/24F Brass Nozzle adaptor	Ø9.5mm x 25mm, Thread 12/24M x 10/24
	#93503	Brass Auto drain valve	Ø9.5mm x 25mm, Thread 10/24
#93505	Brass Nozzle Plug	Ø9.5mm x 9.5mm, Thread 10/24	

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Fog Misting System - Nylon Tubing and Slip-lok fittings



Model No.	Description	Measurement
#10252	Black Nozzle O-ring	Ø9mm x 75mm
#93598	Red 'Viton' Nozzle O-ring (Chemical resistant O-ring)	Ø9mm x 1mm
#92788	Anti-drip spring	
#93354	Anti-dip stemmed ball	
#92100	Nozzle Removal Tool	Ø25mm x 75mm

Fog misting 50Hz High Pressure Pump



* 24/7 use
under Normal operating conditions



* 8hr per day use
under Normal operating conditions

Model No.	Description	Flow (LPM)	Motor HP	Current (Amps)	Pressure	Weight (Kg)
#7100215		1	1	7.1		55
#7200215	50Hz Pulley Drive Industrial duty Misting Pump	2	1	7.1	(1000psi) 703.25m head	55
#7400215	Input Voltage: 230V AC	4	1	7.1		
#7800215	Dimension: 762 x 508 x 559mm	8	1.5	11.3		
#7120215		12	3	13.4		
#7140215		14	3	13.4		
#8100215	50Hz Direct Drive Industrial duty Misting Pump	0.8	1	7.1	(1000psi) 703.25m head	29
#8200215	Input Voltage: 230V AC	1.6	1	7.1		
#8300215	Dimension: 394 x 597 x 356mm	3.5	1	7.1		
#8400215		4.4	1	7.1		
#8700215		6.6	1.5	11.3		

*High Pressure Pumps are pre-assembled with filter and accessories upon order.

Fog misting Filters (Spare Parts)



Model No.	Description	Measurement
#93613	Water pre-treatment kit (1/2" Port)	
#93614	Water pre-treatment kit w/ scalex cartridge for calcium carbonate scale prevention	
#92609	10" Filter housing (1/2" Port)	Ø120mm, Height = 300mm
#92611	10" Filter housing (1/2" Port)	Ø175mm, Height = 330mm
#10109	Calcium inhibitor filter, 3/4" FGHT x 3/4" MGHT	Ø50mm, Height = 150mm
#92613	9-3/4", Scalex filter cartridge (for 92609)	Ø75mm, Height = 250mm
#92603	9-3/4", 1 micron filter cartridge (for 92609)	Ø75mm, Height = 250mm
#92608	9-3/4", 5 micron filter cartridge (for 92609)	Ø75mm, Height = 250mm
#93039	9-3/4", Phosphate filter cartridge (for 92609)	Ø75mm, Height = 250mm
#92612	Dual filter cartridge	Ø130mm, Height = 250mm

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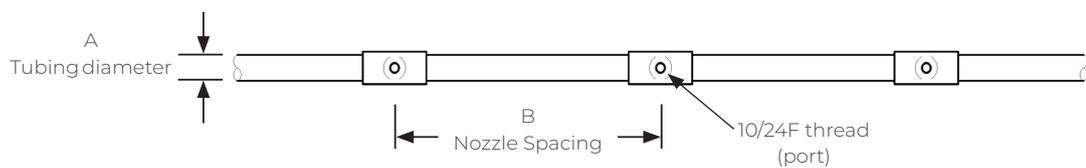
Fog Misting System - Copper tubing & Solder fittings

Function

Fog misting copper tubing line made by soldering copper tubes and Solder fittings is extremely durable, impermeable to contaminants and requires little or no maintenance.

Misting nozzles are specially placed in line around the perimeter to connected to a high pressure pump. Available in orifice sizes from 0.2mm to 0.5mm. Spray patterns vary from 45° to 90° depending on the size and type of the nozzle.

Pre-fabricated copper mist tubing is available in 10ft lengths with misting nozzle holes spacing of 18", 24" and 30". Custom tubing lengths and custom mist nozzle ready holes spacing is also available on request.



Model No.	Description	A Tubing diameter	B (mm) Nozzle spacing	Length (mm)	Number of ports
#92817	1/4" O.D. Coiled copper tube roll	1/4"	15240	-	-
#92816	3/8" O.D. Coiled copper tube roll	3/8"	15240	-	-
#92800	3/8" O.D. Rigid type L copper tube, 20ft length	3/8"	6096	-	-
#92961	3/8" Copper Pre-fab, 10.5ft Length with 18" nozzle spacing	3/8"	3200	457	7
#92962	3/8" Copper Pre-fab, 10ft Length with 24" nozzle spacing	3/8"	3048	609	5
#92963	3/8" Copper Pre-fab, 10ft Length with 30" nozzle spacing	3/8"	3048	762	4
#93643	3/8" Copper Pre-fab with Fogdeck fittings, 10.5ft Length with 18" nozzle spacing	3/8"	3200	457	7
#93644	3/8" Copper Pre-fab with Fogdeck fittings, 10ft Length with 24" nozzle spacing	3/8"	3048	609	5
#93655	3/8" Copper Pre-fab with Fogdeck fittings, 10ft Length with 30" nozzle spacing	3/8"	3048	762	4



Model No.	Description	Measurement
#92680	1/4" Vinyl coated Steel clamp	for Ø1/4" tubing
#93328	3/8" Vinyl coated Steel clamp	for Ø3/8" tubing
#92807	3/8" 2 hole copper tubing clamp	for Ø3/8" tubing

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Fog Misting System - Copper tubing & Solder fittings

	Model No.	Description	Measurement
	#92813	1/4" Copper coupling solder fitting	for Ø1/4" copper tubing
	#92802	3/8" Copper coupling solder fitting	for Ø3/8" copper tubing
	#92842	3/8" x 1/4" Copper reducing coupling solder fitting	
	#92803	3/8" Copper 90° elbow solder fitting	for Ø3/8" copper tubing
	#92818	3/8" Copper 45° elbow solder fitting	for Ø3/8" copper tubing
	#92812	1/4" Copper 3-way T solder fitting	for Ø1/4" copper tubing
	#92804	3/8" Copper 3-way T solder fitting	for Ø3/8" copper tubing
	#92811	3/8" x 3/8" x 1/4" Copper reducing T solder fitting	
	#92805	3/8" Copper end cap solder fitting	for Ø3/8" copper tubing
	#92918	3/8" I.D. Brass nozzle T solder fitting	for Ø3/8" copper tubing
	#93604	1/4" I.D. Fogdeck (brass) solder fitting	for Ø1/4" copper tubing
	#92809	1/4" I.D. Brass solder fitting x 10/24 female thread adaptor	for Ø1/4" copper tubing
	#92810	1/4" I.D. Brass solder fitting x 10/24 male thread adaptor	for Ø1/4" copper tubing
	#92801	3/8" O.D. Brass solder fitting x 10/24 female thread adaptor	for Ø3/8" copper tubing

Brass Compression fittings

	Model No.	Description	Measurement
	#92828	3/8" Brass compression x 1/4" male thread adaptor	for Ø3/8" rigid tubing
	#92829	3/8" Brass compression x 3/8" male thread adaptor	for Ø3/8" rigid tubing
	#92826	3/8" Brass compression x 1/4" female thread adaptor	for Ø3/8" rigid tubing
	#92827	3/8" Brass compression x 3/8" female thread adaptor	for Ø3/8" rigid tubing
	#92820	3/8" Brass compression union	for Ø3/8" rigid tubing
	#92901	1/2" Brass compression union	for Ø1/2" rigid tubing
	#92830	3/8" Brass compression x 1/4" compression reducing adaptor	
	#92821	1/2" Brass compression x 3/8" compression reducing adaptor	
	#92823	3/8" Brass compression elbow	for Ø3/8" rigid tubing
	#92902	1/2" Brass compression elbow	for Ø1/2" rigid tubing
	#92822	3/8" Brass compression 3-way T	for Ø3/8" rigid tubing
	#92903	1/2" Brass compression 3-way T	for Ø1/2" rigid tubing
	#92825	3/8" Brass compression 4-way Cross	for Ø3/8" rigid tubing
	#92834	3/8" Brass compression cap	for Ø3/8" rigid tubing
	#92915	1/2" Brass compression cap	for Ø1/2" rigid tubing

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Fog Misting System - Copper tubing & Solder fittings

Fog misting Nozzles

	Model No.	Description	Orifice	Flow (LPM)	Pressure	Spray pattern	Droplet size	O-ring colour
 Wt.: 2.72g Thread Size: 10/24 Dimensions: Ø9.5 x 10mm	#93508	Standard Brass Nozzle	0.008"	0.08	(1000psi) 703.25m head	60°	1.4µ - 37.9µ ; MD=12.7µ	Red
	#93512		0.012"	0.11		70°	1.6µ - 39.1µ ; MD=13.1µ	Black
	#80450		0.016"	0.17		80°	3.8µ - 47.9µ ; MD=13.8µ	Brown
	#93520		0.020"	0.21		90°	9.5µ - 49.9µ ; MD=15.2µ	Green
 Wt.: 9g Thread Size: 10/24 Dimensions: Ø9.5 x 25mm	#95031	Cleanable Anti-drip Brass Nozzle	0.006"	0.04	(1000psi) 703.25m head	45°	1.1µ - 35.7µ ; MD=11.3µ	Yellow
	#95037		0.008"	0.06		55°	1.4µ - 37.9µ ; MD=12.7µ	Red
	#95038		0.012"	0.10		65°	1.6µ - 39.1µ ; MD=13.1µ	Black
	#95039		0.016"	0.14		75°	3.8µ - 47.9µ ; MD=13.8µ	Brown
	#95040		0.020"	0.17		85°	9.5µ - 49.9µ ; MD=15.2µ	Green
 Wt.: 9g Thread Size: 10/24F Dimensions: Ø9.5 x 25mm	#95032	Cleanable Anti-drip Stainless steel Nozzle	0.006"	0.04	(1000psi) 703.25m head	45°	1.1µ - 35.7µ ; MD=11.3µ	Yellow
	#95033		0.008"	0.06		55°	1.4µ - 37.9µ ; MD=12.7µ	Red
	#95034		0.012"	0.10		65°	1.6µ - 39.1µ ; MD=13.1µ	Black
	#95035		0.016"	0.14		75°	3.8µ - 47.9µ ; MD=13.8µ	Brown
	#95036		0.020"	0.17		85°	9.5µ - 49.9µ ; MD=15.2µ	Green
 Wt.: 9g Thread Size: 10/24F Dimensions: Ø9.5 x 25mm	#95032-SS316	Cleanable Anti-drip Stainless steel 316 Nozzle	0.006"	0.04	(1000psi) 703.25m head	45°	1.1µ - 35.7µ ; MD=11.3µ	Yellow
	#95033-SS316		0.008"	0.06		55°	1.4µ - 37.9µ ; MD=12.7µ	Red
	#95034-SS316		0.012"	0.10		65°	1.6µ - 39.1µ ; MD=13.1µ	Black
	#95035-SS316		0.016"	0.14		75°	3.8µ - 47.9µ ; MD=13.8µ	Brown
	#95036-SS316		0.020"	0.17		85°	9.5µ - 49.9µ ; MD=15.2µ	Green

Fog misting Nozzle Adaptors and Accessories

	Model No.	Description	Measurement
	#93501	Brass 1.5" Nozzle Extension	Ø9.5mm, Length: 38.1mm, Thread 10/24
	#93597	Copper 6" Nozzle Extension	Ø9.5mm, Length: 152.4mm, Thread 10/24
	#92808	Copper 12" Nozzle Extension	Ø9.5mm, Length: 304.8mm, Thread 10/24
	#94506	Stainless steel 6" Nozzle Extension	Ø9.5mm, Length: 152.4mm, Thread 10/24
	#94512	Stainless steel 12" Nozzle Extension	Ø9.5mm, Length: 304.8mm, Thread 10/24
	#93013	Stainless steel 3 Nozzle Cluster	Ø20mm x 30mm, Thread 10/24
	#93019	Stainless steel 5 Nozzle Cluster	Ø20mm x 34mm, Thread 10/24
	#95041	Stainless steel Nozzle swivel adaptor	Ø9.5mm x 25mm, Thread 10/24
	#92519	1/8" MPT x 10/24F Brass Nozzle adaptor	Ø9.5mm x 25mm, Thread 1/8"MPT x 10/24
	#92519	12/24M x 10/24F Brass Nozzle adaptor	Ø9.5mm x 25mm, Thread 12/24M x 10/24
	#93503	Brass Auto drain valve	Ø9.5mm x 25mm, Thread 10/24
#93505	Brass Nozzle Plug	Ø9.5mm x 9.5mm, Thread 10/24	

Fog Misting System	Fog Misting Series	Model No.	Rev. 1	
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Fog Misting System - Copper tubing & Solder fittings



Model No.	Description	Measurement
#10252	Black Nozzle O-ring	Ø9mm x 75mm
#93598	Red 'Viton' Nozzle O-ring (chemical resistant O-ring)	Ø9mm x 1mm
#92788	Anti-drip spring	
#93354	Anti-dip stemmed ball	
#92100	Nozzle Removal Tool	Ø25mm x 75mm

Fog misting 50Hz High Pressure Pump



* 24/7 use under Normal operating conditions



* 8hr per day use under Normal operating conditions

Model No.	Description	Flow (LPM)	Motor HP	Current (Amps)	Pressure	Weight (Kg)
#7100215		1	1	7.1		55
#7200215	50Hz Pulley Drive Industrial duty Misting Pump	2	1	7.1	(1000psi) 703.25m head	55
#7400215	Input Voltage: 230V AC	4	1	7.1		
#7800215	Dimension: 762 x 508 x 559mm	8	1.5	11.3		
#7120215		12	3	13.4		
#7140215		14	3	13.4		68
#8100215	50Hz Direct Drive Industrial-duty Misting Pump	0.8	1	7.1	(1000psi) 703.25m head	29
#8200215	Input Voltage: 230V AC	1.6	1	7.1		
#8300215		3.5	1	7.1		
#8400215	Dimension: 394 x 597 x 356mm	4.4	1	7.1		
#8700215	Pressure Pumps are pre-assembled with filter and accessories upon order.	6.6	1.5	11.3		

Fog misting Filters (Spare Parts)



Model No.	Description	Measurement
#93613	Water pre-treatment kit (1/2" Port)	
#93614	Water pre-treatment kit w/ scalex cartridge for calcium carbonate scale prevention	
#92609	10" Filter housing (1/2" Port)	Ø120mm, Height = 300mm
#92611	10" Filter housing (1/2" Port)	Ø175mm, Height = 330mm
#10109	Calcium inhibitor filter, 3/4" FGHT x 3/4" MGHT	Ø50mm, Height = 150mm
#92613	9-3/4", Scalex filter cartridge (for 92609)	Ø75mm, Height = 250mm
#92603	9-3/4", 1 micron filter cartridge (for 92609)	Ø75mm, Height = 250mm
#92608	9-3/4", 5 micron filter cartridge (for 92609)	Ø75mm, Height = 250mm
#93039	9-3/4", Phosphate filter cartridge (for 92609)	Ø75mm, Height = 250mm
#92612	Dual filter cartridge	Ø130mm, Height = 250mm

Fog Misting System	Fog Misting Series	Model No.	Rev. 1	
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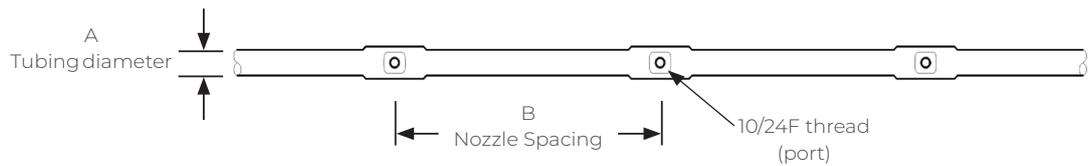
Fog Misting System - Rigid tubing & Compression fittings

Function

Pre-fabricated Stainless steel mist tubing can withstand pressures of up to 3000psi and is recommended for misting system that utilizes treated water or chemical injection. Available in 1/2" and 3/8" outside diameter pipes with standard spacing of 18", 24" and 30". Custom lengths with varied nozzle spacing and configurations are also available on request.

Compression fittings are high pressure rated double ferruled fittings with an operating pressure of 3000psi.

Misting nozzles are specially placed in line around the perimeter to connected to a high pressure pump. Available in orifice sizes from 0.2mm to 0.5mm. Spray patterns vary from 45° to 90° depending on the size and type of the nozzle.



Model No.	Description	A Tubing diameter	B (mm) Nozzle spacing	Length (mm)	Number of ports
#92900	3/8" Stainless steel blank tubing, 20ft length	3/8"	-	6096	-
#92951	3/8" Stainless steel Pre-fab, 19.5ft Length with 18" nozzle spacing	3/8"	457	5944	13
#92952	3/8" Stainless steel Pre-fab, 20ft Length with 24" nozzle spacing	3/8"	609	6096	10
#92953	3/8" Stainless steel Pre-fab, 20ft Length with 30" nozzle spacing	3/8"	762	6096	8
#93080	3/8" Stainless steel Pre-fab, 10ft Length with 24" nozzle spacing	3/8"	609	3048	5
#93081	3/8" Stainless steel Pre-fab, 10ft Length with 30" nozzle spacing	3/8"	762	3048	4
#92839	1/2" Stainless steel blank tubing, 20ft length	1/2"	-	6096	-
#93577	1/2" Stainless steel Pre-fab, 19.5ft Length with 18" nozzle spacing	1/2"	457	5944	13
#93578	1/2" Stainless steel Pre-fab, 20ft Length with 24" nozzle spacing	1/2"	609	6096	10
#93579	1/2" Stainless steel Pre-fab, 20ft Length with 30" nozzle spacing	1/2"	762	6096	8



Model No.	Description	Measurement
#93328	3/8" Vinyl coated Steel clamp	for Ø3/8" tubing
#92714	1/2" Vinyl coated Steel clamp	for Ø1/2" tubing

Fog Misting System	Fog Misting Series	Model No.	Rev. 1	
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Fog Misting System - Rigid tubing & Compression fittings



Model No.	Description	Measurement
#92812	3/8" Stainless steel compression union	for Ø3/8" rigid tubing
#92860	1/2" Stainless steel compression union	for Ø1/2" rigid tubing
#92835	1/2" x 3/8" Stainless steel compression reducing union	
#92837	3/8" Stainless steel compression elbow union	for Ø3/8" rigid tubing
#92863	1/2" Stainless steel compression elbow union	for Ø1/2" rigid tubing
#92836	3/8" Stainless steel compression 3-way T	for Ø3/8" rigid tubing
#92862	1/2" Stainless steel compression 3-way T	for Ø1/2" rigid tubing
#92852	3/8" Stainless steel compression cap	for Ø3/8" rigid tubing
#92874	1/2" Stainless steel compression cap	for Ø1/2" rigid tubing
#92847	3/8" Stainless steel compression x 3/8" NPT male thread adaptor	
#92869	1/2" Stainless steel compression x 3/8" NPT male thread adaptor	

Brass Compression fittings



Model No.	Description	Measurement
#92828	3/8" Brass compression x 1/4" male thread adaptor	for Ø3/8" rigid tubing
#92829	3/8" Brass compression x 3/8" male thread adaptor	for Ø3/8" rigid tubing
#92826	3/8" Brass compression x 1/4" female thread adaptor	for Ø3/8" rigid tubing
#92827	3/8" Brass compression x 3/8" female thread adaptor	for Ø3/8" rigid tubing
#92820	3/8" Brass compression union	for Ø3/8" rigid tubing
#92901	1/2" Brass compression union	for Ø1/2" rigid tubing
#92830	3/8" Brass compression x 1/4" compression reducing adaptor	
#92821	1/2" Brass compression x 3/8" compression reducing adaptor	
#92823	3/8" Brass compression elbow	for Ø3/8" rigid tubing
#92902	1/2" Brass compression elbow	for Ø1/2" rigid tubing
#92822	3/8" Brass compression 3-way T	for Ø3/8" rigid tubing
#92903	1/2" Brass compression 3-way T	for Ø1/2" rigid tubing
#92825	3/8" Brass compression 4-way Cross	for Ø3/8" rigid tubing
#92834	3/8" Brass compression cap	for Ø3/8" rigid tubing
#92915	1/2" Brass compression cap	for Ø1/2" rigid tubing

Fog Misting System	Fog Misting Series	Model No.	Rev. 1	
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Fog Misting System - Rigid tubing & Compression fittings

Fog misting Nozzles

	Model No.	Description	Orifice	Flow (LPM)	Pressure	Spray pattern	Droplet size	O-ring colour
 <p>Wt.: 2.72g Thread Size: 10/24 Dimensions: Ø9.5 x 10mm</p>	#93508	Standard Brass Nozzle	0.008"	0.08	(1000psi) 703.25m head	60°	1.4µ - 37.9µ ; MD=12.7µ	Red
	#93512		0.012"	0.11		70°	1.6µ - 39.1µ ; MD=13.1µ	Black
	#80450		0.016"	0.17		80°	3.8µ - 47.9µ ; MD=13.8µ	Brown
	#93520		0.020"	0.21		90°	9.5µ - 49.9µ ; MD=15.2µ	Green
 <p>Wt.: 9g Thread Size: 10/24 Dimensions: Ø9.5 x 25mm</p>	#95031	Cleanable Anti-drip Brass Nozzle	0.006"	0.04	(1000psi) 703.25m head	45°	1.1µ - 35.7µ ; MD=11.3µ	Yellow
	#95037		0.008"	0.06		55°	1.4µ - 37.9µ ; MD=12.7µ	Red
	#95038		0.012"	0.10		65°	1.6µ - 39.1µ ; MD=13.1µ	Black
	#95039		0.016"	0.14		75°	3.8µ - 47.9µ ; MD=13.8µ	Brown
	#95040		0.020"	0.17		85°	9.5µ - 49.9µ ; MD=15.2µ	Green
 <p>Wt.: 9g Thread Size: 10/24F Dimensions: Ø9.5 x 25mm</p>	#95032	Cleanable Anti-drip Stainless steel Nozzle	0.006"	0.04	(1000psi) 703.25m head	45°	1.1µ - 35.7µ ; MD=11.3µ	Yellow
	#95033		0.008"	0.06		55°	1.4µ - 37.9µ ; MD=12.7µ	Red
	#95034		0.012"	0.10		65°	1.6µ - 39.1µ ; MD=13.1µ	Black
	#95035		0.016"	0.14		75°	3.8µ - 47.9µ ; MD=13.8µ	Brown
	#95036		0.020"	0.17		85°	9.5µ - 49.9µ ; MD=15.2µ	Green
	#95032-SS316		0.006"	0.04		45°	1.1µ - 35.7µ ; MD=11.3µ	Yellow
 <p>Wt.: 9g Thread Size: 10/24F Dimensions: Ø9.5 x 25mm</p>	#95033-SS316	Cleanable Anti-drip Stainless steel 316 Nozzle	0.008"	0.06	(1000psi) 703.25m head	55°	1.4µ - 37.9µ ; MD=12.7µ	Red
	#95034-SS316		0.012"	0.10		65°	1.6µ - 39.1µ ; MD=13.1µ	Black
	#95035-SS316		0.016"	0.14		75°	3.8µ - 47.9µ ; MD=13.8µ	Brown
	#95036-SS316		0.020"	0.17		85°	9.5µ - 49.9µ ; MD=15.2µ	Green

Fog misting Nozzle Adaptors and Accessories

	Model No.	Description	Measurement
	#93501	Brass 1.5" Nozzle Extension	Ø9.5mm, Length: 38.1mm, Thread 10/24
	#93597	Copper 6" Nozzle Extension	Ø9.5mm, Length: 152.4mm, Thread 10/24
	#92808	Copper 12" Nozzle Extension	Ø9.5mm, Length: 304.8mm, Thread 10/24
	#94506	Stainless steel 6" Nozzle Extension	Ø9.5mm, Length: 152.4mm, Thread 10/24
	#94512	Stainless steel 12" Nozzle Extension	Ø9.5mm, Length: 304.8mm, Thread 10/24
	#93013	Stainless steel 3 Nozzle Cluster	Ø20mm x 30mm, Thread 10/24
	#93019	Stainless steel 5 Nozzle Cluster	Ø20mm x 34mm, Thread 10/24
	#95041	Stainless steel Nozzle swivel adaptor	Ø9.5mm x 25mm, Thread 10/24
	#92519	1/8" MPT x 10/24F Brass Nozzle adaptor	Ø9.5mm x 25mm, Thread 1/8" MPT x 10/24
	#92519	12/24M x 10/24F Brass Nozzle adaptor	Ø9.5mm x 25mm, Thread 12/24M x 10/24
	#93503	Brass Auto drain valve	Ø9.5mm x 25mm, Thread 10/24
	#93505	Brass Nozzle Plug	Ø9.5mm x 9.5mm, Thread 10/24

Fog Misting System	Fog Misting Series	Model No.	Rev. 1	
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Fog Misting System - Rigid tubing & Compression fittings



Model No.	Description	Measurement
#10252	Black Nozzle O-ring	Ø9mm x 75mm
#93598	Red 'Viton' Nozzle O-ring (chemical resistant O-ring)	Ø9mm x 1mm
#92788	Anti-drip spring	
#93354	Anti-dip stemmed ball	
#92100	Nozzle Removal Tool	Ø25mm x 75mm

Fog misting 50Hz High Pressure Pump



* 24/7 use under Normal operating conditions



* 8hr per day use under Normal operating conditions

Model No.	Description	Flow (LPM)	Motor HP	Current (Amps)	Pressure	Weight (Kg)
#7100215		1	1	7.1		55
#7200215	50Hz Pulley Drive Industrial duty Misting Pump	2	1	7.1		55
#7400215	Input Voltage: 230V AC	4	1	7.1	(1000psi) 703.25m head	55
#7800215	Dimension: 762 x 508 x 559mm	8	1.5	11.3		67
#7120215		12	3	13.4		68
#7140215		14	3	13.4		68
#8100215	50Hz Direct Drive Industrial-duty Misting Pump	0.8	1	7.1		29
#8200215	Input Voltage: 230V AC	1.6	1	7.1	(1000psi) 703.25m head	90
#8300215		3.5	1	7.1		31
#8400215	Dimension: 394 x 597 x 356mm	4.4	1	7.1		32
#8700215	Pressure Pumps are pre-assembled with filter and accessories upon order.	6.6	1.5	11.3		33

Fog misting Filters (Spare Parts)



Model No.	Description	Measurement
#93613	Water pre-treatment kit (1/2" Port)	
#93614	Water pre-treatment kit w/ scalex cartridge for calcium carbonate scale prevention	
#92609	10" Filter housing (1/2" Port)	Ø120mm, Height = 300mm
#92611	10" Filter housing (1/2" Port)	Ø175mm, Height = 330mm
#10109	Calcium inhibitor filter, 3/4" FGHT x 3/4" MGHT	Ø50mm, Height = 150mm
#92613	9-3/4", Scalex filter cartridge (for 92609)	Ø75mm, Height = 250mm
#92603	9-3/4", 1 micron filter cartridge (for 92609)	Ø75mm, Height = 250mm
#92608	9-3/4", 5 micron filter cartridge (for 92609)	Ø75mm, Height = 250mm
#93039	9-3/4", Phosphate filter cartridge (for 92609)	Ø75mm, Height = 250mm
#92612	Dual filter cartridge	Ø130mm, Height = 250mm

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