



# techhose

QUALITY CONNECTIONS

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Pneumatics  
& Vacuum

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Compressed Air  
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Process &  
Instrumentation

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## Fuelling, Lubrication, Wash Down & Misting

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Misting Systems

Fogco Environmental is a recognised industry leading manufacturer of high quality misting equipment for residential, commercial and industrial markets.



**Pump Kits**

See page 1687



**Pumps**

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**Air Injection Dry Fog System**

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**Filters**

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**Controllers**

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# MISTING SYSTEMS - PUMP KITS

## Direct Drive Kit

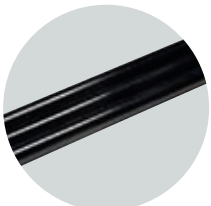
This kit range includes a 1,000 psi Fogco direct drive misting pump with either a flexible nylon, pre-fabricated copper or stainless steel tubing mist line, a filter assembly with water supply connections, plus all of the necessary fittings and components to complete a mist system installation for the listed lengths. These Fogco misting kits include a direct drive 230V mist pump and a standard brass and stainless steel misting nozzle with 24" spacing.



**Key:**  
 LPM: Litres per minute  
 HP: Horse power  
 FLA: Full load amperage

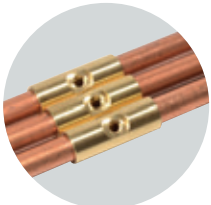
### With Nylon Tube

9583	Tube Length Feet	No. of Nozzles	Total LPM	Pump Specification			Direct Pump Ref. no
				LPM	HP	FLA	
8N20215	20	10	0.76	0.8	1	7.1	8100215
8N30215	30	15	1.14	1.6	1	7.1	8200215
8N40215	40	20	1.52	1.6	1	7.1	8200215
8N50215	50	25	1.9	3.5	1	7.1	8300215
8N60215	60	30	2.28	3.5	1	7.1	8300215
8N70215	70	35	2.66	3.5	1	7.1	8300215
8N80215	80	40	3.04	3.5	1	7.1	8300215
8N90215	90	45	3.42	3.5	1	7.1	8300215



### With Copper Tube

9583	Tube Length Feet	No. of Nozzles	Total LPM	Pump Specification			Direct Pump Ref. no
				LPM	HP	FLA	
8C20215	20	10	0.76	0.8	1	7.1	8100215
8C30215	30	15	1.14	1.6	1	7.1	8200215
8C40215	40	20	1.52	1.6	1	7.1	8200215
8C50215	50	25	1.9	3.5	1	7.1	8300215
8C60215	60	30	2.28	3.5	1	7.1	8300215
8C70215	70	35	2.66	3.5	1	7.1	8300215
8C80215	80	40	3.04	3.5	1	7.1	8300215
8C90215	90	45	3.42	3.5	1	7.1	8300215



### With Stainless Steel Tube

9583	Tube Length Feet	No. of Nozzles	Total LPM	Pump Specification			Direct Pump Ref. no
				LPM	HP	FLA	
8S20215	20	10	0.76	0.8	1	7.1	8100215
8S30215	30	15	1.14	1.6	1	7.1	8200215
8S40215	40	20	1.52	1.6	1	7.1	8200215
8S50215	50	25	1.9	3.5	1	7.1	8300215
8S60215	60	30	2.28	3.5	1	7.1	8300215
8S70215	70	35	2.66	3.5	1	7.1	8300215
8S80215	80	40	3.04	3.5	1	7.1	8300215
8S90215	90	45	3.42	3.5	1	7.1	8300215



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# MISTING SYSTEMS - PUMP KITS



## Pulley Drive Kit

This kit range includes a 1,000 psi Fogco pulley drive misting pump with either a flexible nylon, copper or stainless steel tubing mist line, a filter assembly with water supply connections, plus all of the necessary fittings and components to complete a mist system installation for the listed lengths. These Fogco misting kits include our pulley drive 230V mist pump and our standard brass and stainless steel misting nozzle with 24" spacing.

### Key:

LPM: Litres per minute

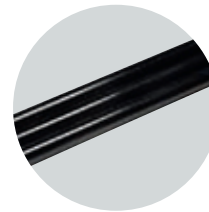
HP: Horse power

FLA: Full load amperage



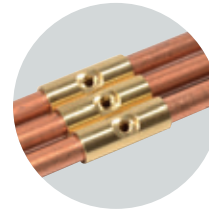
### With Nylon Tube

9583	Tube Length Feet	No. of Nozzles	Total LPM	Pump Specification			Pulley Pump Ref. no
				LPM	HP	FLA	
7N20215	20	10	0.76	1	1	7.1	7100215
7N30215	30	15	1.14	2	1	7.1	7200215
7N40215	40	20	1.52	2	1	7.1	7200215
7N50215	50	25	1.9	4	1	7.1	7400215
7N60215	60	30	2.28	4	1	7.1	7400215
7N70215	70	35	2.66	4	1	7.1	7400215
7N80215	80	40	3.04	4	1	7.1	7400215
7N90215	90	45	3.42	4	1	7.1	7400215



### With Copper Tube

9583	Tube Length Feet	No. of Nozzles	Total LPM	Pump Specification			Pulley Pump Ref. no
				LPM	HP	FLA	
7C20215	20	10	0.76	1	1	7.1	7100215
7C30215	30	15	1.14	2	1	7.1	7200215
7C40215	40	20	1.52	4	1	7.1	7200215
7C50215	50	25	1.9	4	1	7.1	7400215
7C60215	60	30	2.28	4	1	7.1	7400215
7C70215	70	35	2.66	4	1	7.1	7400215
7C80215	80	40	3.04	4	1	7.1	7400215
7C90215	90	45	3.42	4	1	7.1	7400215



### With Stainless Steel Tube

9583	Tube Length Feet	No. of Nozzles	Total LPM	Pump Specification			Pulley Pump Ref. no
				LPM	HP	FLA	
7S20215	20	10	0.76	1	1	7.1	7100215
7S30215	30	15	1.14	2	1	7.1	7200215
7S40215	40	20	1.52	4	1	7.1	7200215
7S50215	50	25	1.9	4	1	7.1	7400215
7S60215	60	30	2.28	4	1	7.1	7400215
7S70215	70	35	2.66	4	1	7.1	7400215
7S80215	80	40	3.04	4	1	7.1	7400215
7S90215	90	45	3.42	4	1	7.1	7400215



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## Direct Drive Pump

The 50Hz direct drive mist pump range are medium duty outdoor rated units, designed to operate at 70 bar for 8 hours per day, seven days a week under normal operating conditions. This range is ideal for light to medium duty mist applications. These pumps provide quality components in a small and convenient platform.

This mist pump range is available in 230V and includes:

- Direct drive pump
- On/off switch
- Inlet solenoid
- Adjustable regulator with bypass thermal relief valve
- Glycerine filled pressure gauge
- Rubber isolation feet
- Filter assembly

**Key:**

LPM: Litres per minute

HP: Horse power

FLA: Full load amperage



### 230V/50Hz

9583	Description			Weight Kg	Dimensions cm		
	LPM	HP	FLA		L	W	H
8100215	0.8	1	7.1	27.7	59.7	31.8	26.7
8200215	1.6	1	7.1	27.7	59.7	31.8	26.7
8300215	3.5	1	7.1	27.7	58.4	31.8	26.7
8400215	4.4	1	7.1	27.7	58.4	31.8	26.7
8700215	6.6	1.5	11.3	29.9	58.4	37.8	26.7

## Pulley Driven Pump

The 50Hz pulley drive mist pumps are industrial duty outdoor rated units, designed to operate at 70 bar for 24/7 use, under normal operating conditions. This range is ideal for industrial and commercial applications that includes UL compliant thermal and short circuit protection, as well as a low water pressure cut-off switch.

This mist pump range is available in 230V and includes:

- Pulley drive pump
- Exhaust fan
- Panel mount switch
- Inlet solenoid
- Adjustable regulator with bypass thermal relief valve
- Hour meter
- Glycerine filled pressure gauge
- Rubber isolation feet
- Filter assembly

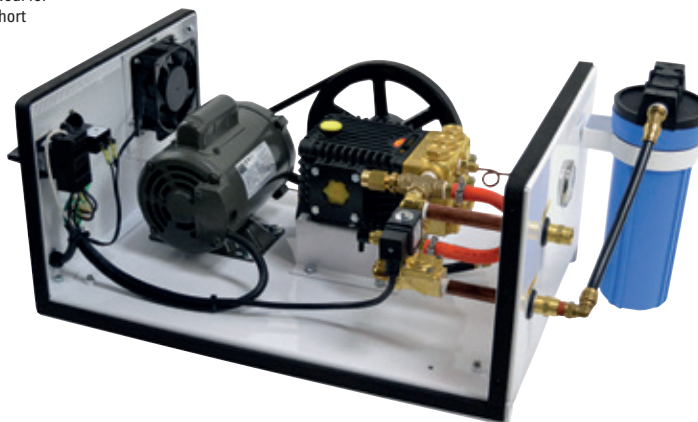
**Key:**

LPM: Litres per minute

HP: Horse power

FLA: Full load amperage

RPM: Revs per minute



### 230V/50Hz

9583	Description					Weight Kg	Dimensions cm		
	LPM	HP	FLA	RPM	L		W	H	
7100215	1	1	7.1	770	49.9	66.0	30.5	40.6	
7200215	2	1	7.1	598	49.9	66.0	30.5	40.6	
7400215	4	1	7.1	486	49.9	66.0	30.5	40.6	
7800215	8	1.5	11.3	973	53.5	66.0	30.5	40.6	
7120215	12	3	13	1450	59.0	66.0	30.5	40.6	



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# MISTING SYSTEMS - FANS



## Revolution

The **Revolution** misting fan provides improved evaporative cooling and humidification, compared to traditional misting fans. Its unique design allows a more uniform distribution of the fog and improved absorption of the moisture.

By integrating a focused horizontal air stream into the fog, the water droplets can cover more surface area. This allows the mist system to cool or humidify up to 5 times the amount of air, compared to static line misting systems. This mist fan can cover up to 3,600 sq.ft. or 36,000 cu.ft.

This misting fan is available in 230V and uses 0.8 amps. The unit includes a stainless steel fog ring with 10 nozzle fittings



### 230V Ceiling Mount Fan

9583	Fan Specification		Weight Kg	Dimensions cm		
	HP	FLA		L	W	H
<b>93820</b>	0.25	0.9	18.1	61.0	61.0	25.4

## Revolution II

The **Revolution II** misting fan is a smaller version of the **Revolution** and provides improved evaporative cooling and humidification. Its unique design allows a more uniform distribution of the fog and improved absorption of the moisture.

Similar to the **Revolution**, integrating a focused horizontal air stream into the fog, the water droplets can cover more surface area. This allows the mist system to cool or humidify up to 5 times the amount of air compared to static line misting systems. This mist fan can cover up to 900 sq.ft. or 9,000 cu.ft.

This misting fan provides 250 cfm and is available in 230V and uses 0.12 amps. The unit includes 10ft of 18 gauge insulated power cord, 10ft of flexible high pressure feed line and a rustproof treated and powder coated housing with a 6 nozzle stainless steel fog ring. Custom fog rings are also available.



### Ceiling Mount Fan

9583	Fan Specification		Weight Kg	Dimensions cm		
	HP	FLA		L	W	H
<b>94820</b>	0.25	0.12	2.0	30.5	30.5	8.9

#### Key:

HP : Horse power

FLA : Full load amperage



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## Evolution Mini

The **Evolution Mini** does not include the cannon shaped housing, so it requires a shorter distance for the absorption of the fog compared to the projection that is capable with the standard **Evolution**.

Because of this characteristic, the **Evolution Mini** is well suited for low ceilings and restricted or confined applications. Due to the reduced noise level and low profile design, this fan can be used in an office or warehouse environment

The **Evolution Mini** uses a single misting nozzle but multiple nozzle configurations are also available, if increased moisture is required.

The **Evolution Mini** requires a 6 Watt 12V DC power supply. Once the unit is wall mounted, with the provided bracket, it can be adjusted both horizontally and vertically.

The power supply includes a DIN rail and is designed to be mounted in a cabinet or enclosure.



### 12V DC Wall Mount Fan

9583	Weight Kg	Dimensions cm		
		L	W	H
<b>93000-12VDC</b>	2.7	24.1	20.3	20.3

# MISTING SYSTEMS - AIR INJECTION DRY FOG SYSTEM



The Fogco Air Injection Dry Fog System utilises the proprietary control box, capable of producing over 150 lbs of dry fog per hour. It includes the FOGCOntroller II microprocessor.

The box allows on-site adjustments to the system performance and output. The Drip Free air injection nozzles prevent dripping when the system shuts down and to prevent the water supply from running if there is a loss of air pressure.

The air injection nozzles are capable of producing flow rates from 8 lbs/hr to 16 lbs/hr while providing droplets as small as 1 micron and achieving humidity levels up to 99%. The Fogco Air Injection System requires the availability of compressed air of at least 80 psi and 25 cfm and water pressure of 60 psi to produce the maximum output of 150 lbs/hr.

The system utilises directionally adjustable dry fog nozzles on a magnetic base or hung using an 3/8" mount.



## Air Injection Control Box



Includes FOGCOntroller II Microprocessor

9583	Weight Kg	Dimensions cm		
		L	W	H
96100	13.6	30.5	30.5	25.4

## Drip Free Adjustable Air Nozzle



With All-Thread Mount

9583	Flow
96081	8lbs/hr - 16lbs/hr



With Magnetic Base

9583	Flow
96080	8lbs/hr - 16lbs/hr

# FO-500 ULTRA-LOW VOLUME FOGGER



- Disinfection
- Pest Control
- Odour Control
- Plant Protection



ULV Fogger 240V

9584
FO-500



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# MISTING SYSTEMS - AIR INJECTION DRY FOG SYSTEM



The Fogco line of industrial Slip Lok fittings are rated at 1,500 psi and have been used successfully in industrial applications for over 20 years.

The fittings include a heavy-duty bod , thicker locking ferrule and an over sized viton o-ring. Their unique design allows them to be easily removed, replaced or re-installed anytime after the initial installation. No special tools or crimping procedures are required.

- Standard threads are 10/24 UNC.



## Male Stud



### Male Thread, NPT x Tube

9583	Tube OD	Thread
94853	1/4"	1/4"
92707	3/8"	3/8"

## Mistscaping Equal Joiner



### Tube x UNC

9583	Tube OD	Thread
94630	1/4"	10/24
92630	3/8"	10/24

## End Plug



### Tube

9583	Material	Tube OD
94706	Plastic	1/4"
92706	Brass	3/8"

## Mistscaping Adaptor



### Tube x UNC

9583	Tube OD	Thread
92923	3/8"	10/24

## Joiners



### Tube x Tube

9583	Tube OD
92702	3/8"

## Equal Elbow



### Tube x Tube

9583	Tube OD
92703	3/8"

## Equal Cross



### Tube x Tube

9583	Tube OD
92711	3/8"



# MISTING SYSTEMS - ADAPTORS

## Standard Mist Nozzle

These misting nozzles are available in brass with stainless steel orifices. The sizes range from 0.008" to 0.020" with flow rates from 0.020 gpm to 0.055 gpm

- Spray patterns vary from 60° to 90°.
- Standard threads are 10/24 UNC.
- All stainless steel and 12/24 UNC are available on request.



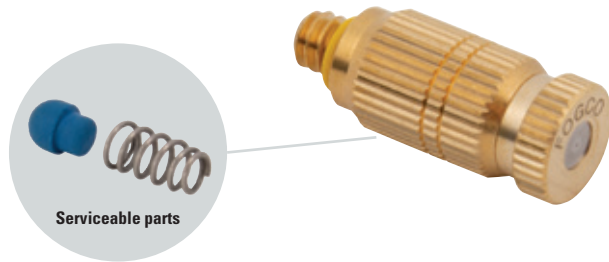
### Brass

9583	Orifice Size Inches	LPM	Spray Pattern	O-Ring Colour	Weight g	Dimensions cm		
						L	W	H
93508	0.008	0.76	60°	Red	9.1	2.5	1.0	1.0
93512	0.012	0.110	70°	Black	9.1	2.5	1.0	1.0
80450	0.016	0.167	80°	Brown	9.1	2.5	1.0	1.0
93520	0.020	0.208	90°	Green	9.1	2.5	1.0	1.0

## Cleanable Anti-drip Nozzle

All cleanable misting nozzles include an anti-drip adaptor. This range is available in brass with a stainless steel orifice or all stainless steel design. The sizes range from 0.006" to 0.020" with flow rate from 0.01 gpm to 0.045 gpm.

- Spray patterns from 45° to 85°.
- Larger orifice sizes and different threads are also available as special order items.
- Standard threads are 10/24 UNC.
- All stainless steel and 12/24 UNC are available on request.



### Brass

9583	Orifice Size Inches	LPM	Spray Pattern	O-Ring Colour	Weight g	Dimensions cm		
						L	W	H
95031	0.006	0.037	45°	Yellow	9.1	2.5	1.0	1.0
95037	0.008	0.060	55°	Red	9.1	2.5	1.0	1.0
95038	0.012	0.095	65°	Black	9.1	2.5	1.0	1.0
95039	0.016	0.136	75°	Brown	9.1	2.5	1.0	1.0
95040	0.020	0.170	85°	Green	9.1	2.5	1.0	1.0

### Stainless Steel

9583	Orifice Size Inches	LPM	Spray Pattern	O-Ring Colour	Weight g	Dimensions cm		
						L	W	H
95032	0.006	0.037	45°	Brown	9.1	2.5	1.0	1.0
95033	0.008	0.060	55°	Brown	9.1	2.5	1.0	1.0
95034	0.012	0.095	65°	Brown	9.1	2.5	1.0	1.0
95035	0.016	0.136	75°	Brown	9.1	2.5	1.0	1.0
95036	0.020	0.170	85°	Brown	9.1	2.5	1.0	1.0



For Knee Protection  
...see page 1759



# MISTING SYSTEMS - ADAPTORS



The nozzle adaptor range includes extensions, clusters and adaptors to provide more options in the designing and installation of a mist system. Clusters allow 3 or 5 nozzles to be placed in a single nozzle fitting. Extensions allow the fog to be directed in a specific wa , while extending the fog up to 12 inches from the line.

## Nozzle Extensions



### Stainless Steel, UNC

9583	Nozzle Length Inches	Male Thread	Female Thread
94506	6	10/24	10/24
94512	12	10/24	10/24

## Nozzle Cluster



### Stainless Steel, UNC

9583	Male Thread	Female Thread
93019	10/24	5 x 10/24

## Nozzle Swivel Adaptor



### Nickel-plated, UNC

9583	Male Thread	Female Thread
95041	10/24	10/24

## Nozzle Adaptor



### Brass

9583	Male Thread	Female Thread
92519	1/8" NPT	10/24 UNC

## Nozzle Plug



### Brass, UNC

9583	Male Thread
93505	10/24

## Nozzle Removal Tool



### Plastic

9583
92100

## Nozzle O-Rings



### Plastic

9583	Material
10252	Nitrile
93598	Viton

## Replacement Spring



### For Cleanable Anti-drip Nozzle

9583
92788

## Replacement Stemmed Ball



### For Cleanable Anti-drip Nozzle

9583
93354



For Eye Protection  
...see page 1754

# MISTING SYSTEMS - FILTERS



Filtration is highly recommended for every mist system. Fogco offer a full range of filter cartridges and housing. From their smallest 'hose end' calcium inhibitor filter to the larger 10" filter housing with varying micron cartridges

Fogco's filter range also includes a special phosphate cartridge for the 10" filter housing. This cartridge helps eliminate the adverse effects of calcium and dissolved solids present in the water supply.

For very high flow rates, Fogco offers an increased capacity filtration option that includes a larger housing and a dual stage cartridge. This filter housing include 1" ports for maximum flow.

## Water Pretreatment Kit



### With Cartridges

9583	Type
93613	Polyphosphate
93614	Scalex

## 10" Filter Housing



### 1" Ports, High Flow

9583
92611

## 10" Blue Slimline Filter Housing



### 1/2" Ports

9583
92609

## 10" Dual Filter Cartridge



### For 92611

9583	Pre-filter Micron $\mu\text{m}$	Filter Micron $\mu\text{m}$	GPM
92612	25	1	30

## Filter Cartridges



### Particle Removal Filter

9583	Micron $\mu\text{m}$
92603	1
92608	2



### Limescale/Corrosion Inhibiting Filter

9583	Type
93039	Polyphosphate
92613	Scalex

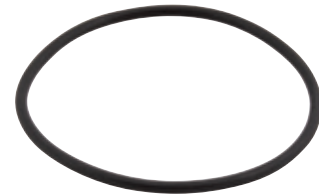
## Mounting Bracket



### For 92609

9583
95022

## Replacement O-Ring



### For 92609

9583
95024

# MISTING SYSTEMS - CONTROLLERS



## FOGController

The FOGController is a 2 zone 24V AC microprocessor that accepts input from two separate sensors. The controller has 5 independent programmable relays that can control a series of fans, zone valves, and pumps.

The controller also includes a programmable time delay NC contact that can be used to terminate all output signals from the controller if a defined condition develops with the system.

The humidity settings range from 30% to 99% with a hysteresis range between 1 and 9. The temperature settings range from 70° to 99° with a hysteresis range between 1 and 9. The standard sensor will have an accuracy of +/- 2% from 10% to 70% humidity. It is recommended that the high humidity sensor be used for applications requiring humidity levels above 70%.

- The controller requires a 50 Watt 24V AC transformer as a power supply.



### 2 Zone Microprocessor

9583	Weight g	Dimensions cm		
		L	W	H
92910	454	15.2	8.9	5.7

## FOGController II

The FOGController II is a humidity controller, with an internal humidity sensor that provides automated operation of a fog system. The unit can operate based on its internal sensor or it can be wired to an external sensor for high humidity applications.

The humidity settings range from 10% to 99% with a hysteresis range between 1 and 5. It is recommended to use the external sensor for humidity levels above 50% and our high humidity sensor for humidity levels above 70%.

The FOGController II is a single zone microprocessor and has two output relays with a programmable delay start and stop.

The internal and external sensors are fully calibrated re-flow humidity sensors with digital output that send binary data over RS485 protocol. The sensor will have an accuracy of +/- 2%.

- The controller requires a 50 Watt 24V AC transformer as a power supply.



### Single Zone Microprocessor

9583	Weight g	Dimensions cm		
		L	W	H
94160	182	14	7.6	2.5

## Sensor



### For High Humidity

9583	Detection Range	Weight g	Dimensions cm		
			L	W	H
92906	0 to 99%	137	10.2	10.2	2.5

## Remote Sensor



### For Temperature/Humidity

9583	Detection Range	Weight g	Dimensions cm		
			L	W	H
92909	0 to 70%	91	10.2	5.1	2.5

## 4 Pin Connector



### To Suit FOGController & FOGController II

9583	Weight g	Dimensions cm		
		L	W	H
92908	10	2.5	2.5	2.5



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