

EXPERIENCE | PERFORMANCE | DURABILITY



Misting
Experts



AVES FOG

HIGH PRESSURE MISTING CATALOG 2026

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Our Mission

To unlock the true potential of misting technology, redefining comfort and sustainability for every environment.

By focusing on innovation, quality, and affordability, we strive to be the most trusted partner for all misting solutions, empowering our clients with reliable performance, long-lasting durability, and complete peace of mind.

AVES FOG

About Us

We are a bunch of capable professionals working closely as a supportive team. Started our journey in 2018 as a pioneer company in Pakistan dedicated to the field of misting. We offer customised design for each project prioritising its unique requirements. Abundant inventory is maintained to catch up with short lead time. Our trained technicians understand the subtleties of misting much better. Backed by expert skills, advanced tools, and premium inventory, Aves Fog delivers comprehensive, long-lasting misting solutions.

Our expertise include:

- Humidification in textile, poultry and tobacco industries.
- Outdoor cooling for restaurants, mosques, playlands, hospitals, markets, educational institutions, theme parks, aviary & zoo etc.
- Indoor cooling for greenhouse, dairy farm, semi-open buildings, huge storage areas etc.
- Dust suppression at construction sites, cement & crushing industries.
- Control over odour, smoke & flying insects.
- Energy conservation through AC outer unit cooling.



No one can beat us in:

Skills, experience, quality to price ratio, durability and timely provision of after sale services.

High-Pressure Misting Systems

Aves high-pressure misting represents the world's most advanced misting technology, engineered for diverse applications. Operating at 1000 PSI, it generates ultra-fine mist particles (10–15 microns) technically classified as fog. Premium ceramic plunger pumps deliver exceptional performance and extended service life, while robust high-efficiency motors maximize energy conservation.

The system utilizes Nylon PA-12 and stainless steel 304 tubing, selected for superior durability and high-pressure resilience. Precision push-lock misting accessories ensure convenient installation, a sleek modern aesthetic, and critically, 100% leak-proof operation.

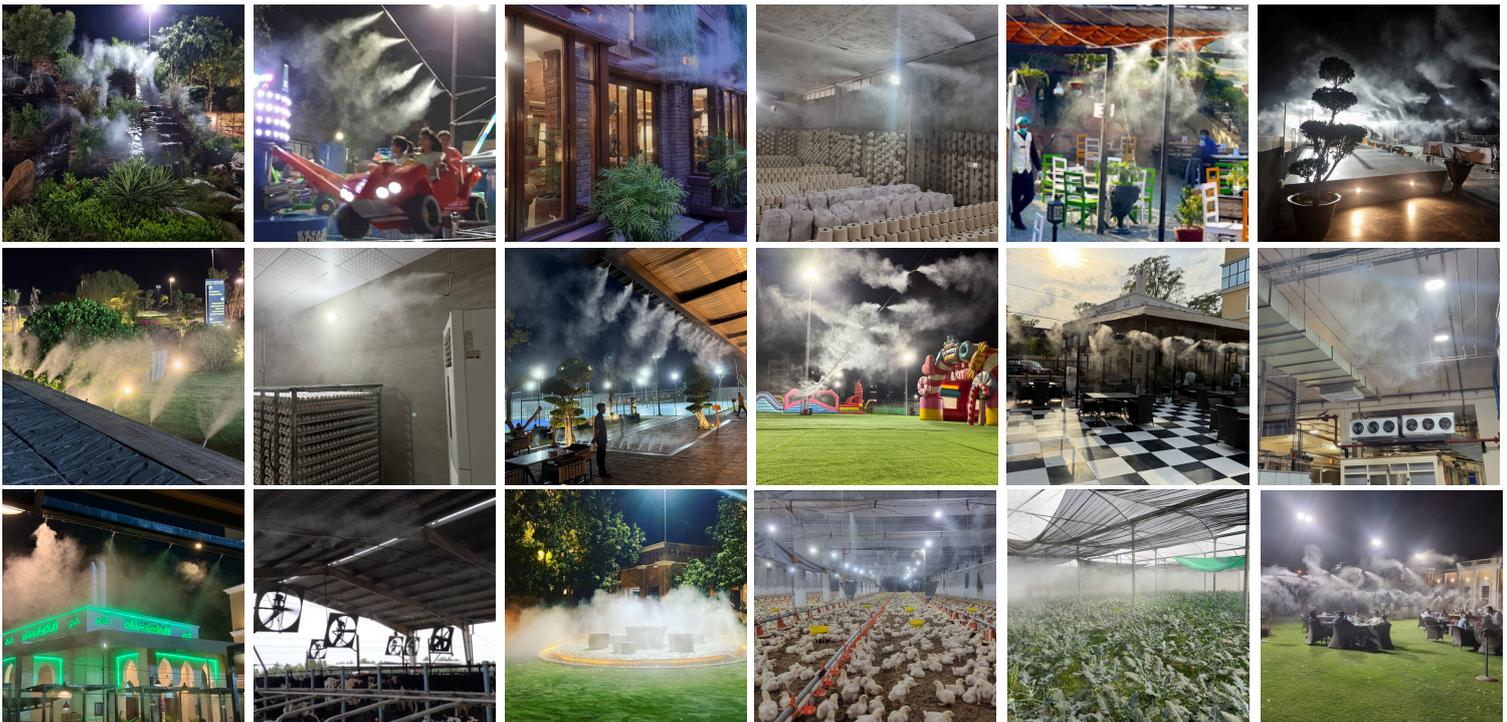
Customizable electrical control panels address diverse operational requirements, featuring built-in electrical failure protection and dry-run safeties. Round-the-clock support teams manage installation and ongoing maintenance, ensuring optimal system performance.

Why Aves Fog's High-Pressure Misting Systems

- Pakistan's #1 Misting Solution Provider
- 450 plus successful projects across diverse applications
- Italian pumps engineered for unmatched performance and durability
- Leak-proof push-lock misting accessories
- Highest grade Nylon (Pa-12) & SS-304 tubes
- Complete turnkey solutions including Inventory, Design, Installation & Maintenance
- Unbeatable quality-to-price ratio
- 24/7 customer support & spare parts
- 2-year warranty with fast processing

Professional misting partner that you can trust

“Serene Misting Experience”



Aves High Pressure Misting Pumps

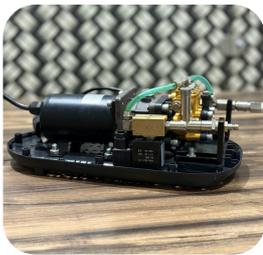
Misting pump is the driving force of every misting system. As the most critical component, its quality determines overall performance and long-term reliability.

At Aves Fog, we integrate world-class Italian triplex ceramic plunger pumps in our high-pressure misting systems. These oil-lubricated, advanced pumps deliver superior efficiency & lasting durability.

For cost-conscious clients, we also provide a trusted range of Chinese triplex plunger pumps that offer excellent results with minimal compromise.

Both Italian and Chinese pumps are available in multiple models to suit different applications. Italian pumps come with a two-year warranty, while Chinese pumps include a two-year warranty.

Every pump is precision-coupled with appropriate high-efficiency motors to reduce electricity consumption. I Phase motors, backed with one-year warranty are used in 0.5, 1, 2 & 4 LPM models, while III Phase industrial motors power the 8, 12, 14 & 24 LPM models.



Model: HP 0.5
 Pump & Motor
 Flow Rate: 0.5LPM
 Pressure: 70 Bar
 Motor: 150W, 220V
 Pump Origin: China
 Motor Origin: China
 Oil: 80ml (10W- 40)

Model: HP 1
 Pump & Motor
 Flow Rate: 1 LPM
 Pressure: 70 Bar
 Motor: 200W, 220V
 Pump Origin: China
 Motor Origin: China
 Oil: 80ml (10W- 40)



Model: HP 2
 Pump & Motor
 Flow Rate: 2 LPM
 Pressure: 70 Bar
 Motor: 250W, 220V
 Pump Origin: China
 Motor Origin: China
 Oil: 80ml (10W- 40)



Model: HP 4
 Pump & Motor
 Flow Rate: 4 LPM
 Pressure: 100 Bar
 Motor: 0.75KW, 380V
 Pump Origin: Italy
 Motor Origin: China
 Oil: 250 ml (10W- 40)



Model: HP 8
 Pump & Motor
 Flow Rate: 8 LPM
 Pressure: 100 Bar
 Motor: 1.5KW, 380V
 Pump Origin: Italy
 Motor Origin: China
 Oil: 300 ml (10W- 40)

Model: HP 12
 Pump & Motor
 Flow Rate: 12 LPM
 Pressure: 100 Bar
 Motor: 2.2KW, 380V
 Pump Origin: Italy
 Motor Origin: China
 Oil : 400 ml (10w- 40)



Model: HP 14
 Pump & Motor
 Flow Rate: 14 LPM
 Pressure: 160 Bar
 Motor: 3KW, 380V
 Pump Origin: Italy
 Motor Origin: China
 Oil: 400ml (10W- 40)



Model: HP 24
 Pump & Motor
 Flow Rate: 24 LPM
 Pressure: 150 Bar
 Motor: 4KW, 380V
 Pump Origin: Italy
 Motor Origin: China
 Oil: 400 ml (10W- 40)

Aves High Pressure Misting Accessories

At Aves Fog, we source the most advanced push-lock misting accessories from leading global manufacturers. These are carefully selected for their sleek design, user-friendly installation, and most importantly, guaranteed leak-proof operation.

Aves high-pressure misting accessories are crafted from nickel-plated brass, engineered for 1000 psi working pressure with a burst tolerance exceeding 1450 psi. All types of misting accessories are available in 6.35 mm and 9.52 mm ID sizes.

Our misting nozzles feature precision ceramic orifices in sizes 0.1, 0.15, and 0.2 mm, each equipped with a stainless-steel filter to prevent clogging, while an anti-drip valve ensures clean, drip-free operation.



C9
Cross: 9.52 mm ID
Material: Nickel Plated Brass
Connection Type: Push Lock
Maximum Pressure: 1450 psi
Origin: China

C6
Cross: 6.35 mm ID
Material: Nickel Plated Brass
Connection Type: Push Lock
Maximum Pressure: 1350 psi
Origin: China



T9
Tee: 9.52 mm ID
Material: Nickel Plated Brass
Connection Type: Push Lock
Maximum Pressure: 1450 psi
Origin: China



T6
Tee: 6.35 mm ID
Material: Nickel Plated Brass
Connection Type: Push Lock
Maximum Pressure: 1350 psi
Origin: China



L9
Elbow: 9.52 mm ID
Material: Nickel Plated Brass
Connection Type: Push Lock
Maximum Pressure: 1450 psi
Origin: China

L6
Elbow: 6.35 mm ID
Material: Nickel Plated Brass
Connection Type: Push Lock
Maximum Pressure: 1350 psi
Origin: China



1NS9
1 Nozzle Seat: 9.52 mm ID
Material: Nickel Plated Brass
Connection Type: Push Lock
Maximum Pressure: 1450 psi
Origin: China



1NS6
1 Nozzle Seat: 6.35 mm ID
Material: Nickel Plated Brass
Connection Type: Push Lock
Maximum Pressure: 1350 psi
Origin: China

Aves High Pressure Misting Accessories



2NS9
 2 Nozzle Seat: 9.52 mm ID
 Material: Nickel Plated Brass
 Connection Type: Push Lock
 Max Pressure: 1450 psi
 Origin: China



2NS6
 2 Nozzle Seat: 6.35 mm ID
 Material: Nickel Plated Brass
 Connection Type: Push Lock
 Max Pressure: 1250 psi
 Origin: China



1ES9
 1 Nozzle End Seat: 9.52 mm ID
 Material: Nickel Plated Brass
 Connection Type: Push Lock
 Max Pressure: 1450 psi
 Origin: China



1NES6
 1 Nozzle End Seat: 6.35 mm ID
 Material: Nickel Plated Brass
 Connection Type: Push Lock
 Max Pressure: 1250 psi
 Origin: China



2ES9
 2 Nozzle End Seat: 9.52 mm ID
 Material: Nickel Plated Brass
 Connection Type: Push Lock
 Max Pressure: 1450 psi
 Origin: China



2NES6
 2 Nozzle End Seat: 6.35 mm ID
 Material: Nickel Plated Brass
 Connection Type: Push Lock
 Max Pressure: 1250 psi
 Origin: China



HP MN
 Nozzle with Anti-drip valve only
 Material: Nickel Plated Brass
 Orifice: Ceramic 0.2 mm
 Max Pressure: 1250 psi
 Origin: China



180NES6
 1 Nozzle End Seat 180: 6.35 mm ID
 Material: Nickel Plated Brass
 Connection Type: Push Lock
 Max Pressure: 1250 psi
 Origin: China



HP LN
 Nozzle with Anti-drip valve & SS filter
 Material: Nickel Plated Brass
 Orifice: Ceramic 0.1, 0.15, 0.2 mm
 Max Pressure: 1250 psi
 Origin: China



HPN 15
 Nozzle with anti-drip valve & SS filter
 Material: Nickel Plated Brass
 Orifice: Ceramic 0.15 mm
 Max Pressure: 1250 psi
 Origin: China



R9/6
 Reducer (mm): 9.52*6.35 ID
 Material: Nickel Plated Brass
 Connection Type: Push Lock
 Max Pressure: 1250 psi
 Origin: China



C1/4M9F
 Connector: 1/4" M*9.52F
 Material: Nickel Plated Brass
 Connection Type: Push Lock
 Max Pressure: 1250 psi
 Origin: China



HP EP
 End Plug: 10/24"
 Material: Nickel Plated Brass
 Connection Type: Male Thread Screw
 Max Pressure: 1250 psi
 Origin: China



C1/4M6F
 Connector: 1/4" M*6.35F
 Material: Nickel Plated Brass
 Connection Type: Push Lock
 Max Pressure: 1250 psi
 Origin: China



NE
 Nozzle Extension: 4cm, 6cm, 10cm
 Material: Nickel Plated Brass
 Connection Type: 10/24M*10/24F
 Max Pressure: 1250 psi
 Origin: China



HP HV
 Handle Valve (ID mm): 1/4" M*1/4" M
 Material: Nickel Plated Brass
 Connection Type: Push Lock
 Max Pressure: 1250 psi
 Origin: China

Aves High Pressure Misting Accessories



SSH
High Pressure Pipe Hanger
Type: 9.52 mm & 6.35mm
Material: Stainless Steel 304
Coating: Rubber



PLH
High Pressure Pipe Hanger
Type: 9.52 mm & 6.35 mm
Material: Nylon



SSNH
High Pressure Nozzle Hanger
Type: 10 mm
Material: Stainless Steel 304
Coating: Rubber



RHTC
Humidity & Temp Controller
Quick Response & Calibratable
Humidification / Dehumidification
Heating / Cooling



NT
Nylon Tube 9.52mm & 6.35mm
Max Pressure: 1450 psi
Material: PA12 (Premium Quality)
Coating: UV Treated



SST
Stainless Steel Tube 6.35mm
Length: 14" - 28" - 38"
Material: Stainless Steel 304
Grooved & Chamfered

Aves High-Pressure Solenoid Valves

Solenoid valves are employed for advanced tasks such as controlled pressurisation and depressurisation of misting lines in intermittent or sequential operations. Selection of an appropriate solenoid valve requires consideration of critical parameters including pressure rating, flow coefficient (Cv), response time, coil power requirements, and sealing material compatibility with high-pressure water. Appropriate solenoid valves are sourced from globally recognised manufacturers backed by a one-year warranty.



LP BSVC 1/2"
Low Pressure Solenoid Valve
Type: Normal Close
Material: Brass
Max Pressure: 20 psi
Coil: 220V/50Hz
Ports: 1/2"
Seals: NBR



LP SSVC 1/2"
Low Pressure Solenoid Valve
Type: Normal Close
Material: Stainless Steel
Max Pressure: 25 psi
Coil: 220V/50Hz
Ports: 1/2"
Seals: NBR



HP BSVC 1/8"
High Pressure Solenoid Valve
Type: Normal Close
Material: Brass
Max Pressure: 1200 psi
Coil: 220V/50Hz
Ports: 1/4" & 1/8"
Seals: NBR



HP SSVO 3/8"
High Pressure Solenoid Valve
Type: Normal Open
Material: Stainless Steel
Max Pressure: 1200 psi
Coil: 220V/50Hz
Ports: 3/8"
Seals: NBR



HP BSVC 3/8"
High Pressure Solenoid Valve
Type: Normal Close
Material: Brass
Max Pressure: 1200 psi
Coil: 220V/50Hz
Ports: 3/8"
Seals: NBR



HP BSVC 1/4"
High Pressure Solenoid Valve
Type: Normal Close
Material: Stainless Steel
Max Pressure: 1200 psi
Coil: 220V/50Hz
Ports: 1/4"
Seals: NBR

Aves Filters & Casing

Water filtration is vital before feeding water into a misting system, as impurities in unfiltered water can quickly clog fine nozzle orifices. Reliable filtration is therefore essential for smooth, trouble-free operation of any misting system.

At Aves Fog, we recommend polypropylene (PP) filters over reusable stainless steel mesh, since PP delivers finer filtration and we never compromise on quality.

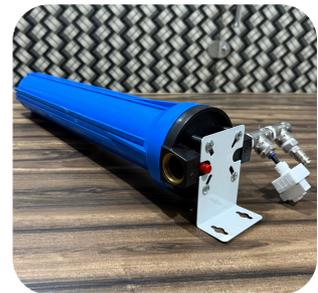
We source premium quality PP filters and housings from leading global manufacturers, focusing on every detail that ensures durability and performance. Made from food-grade materials, Aves filters and housings are available in 10" and 20" sizes.



Housing 10"
 Colour: White
 Material: Polypropylene
 Ports: 1/2" Brass
 Air Release Valve
 Wall Bracket, Wrench



PP Filter
 Size: 10" & 20"
 Colour: White
 Material: Polypropylene
 Filtration: 5 micron



Housing 20"
 Colour: Blue
 Material: Polypropylene
 Ports: 1/2" Brass
 Air Release Valve
 Wall Bracket, Wrench

Note: SS mesh and PP filters, both are not designed to reduce water TDS level. When total dissolved solids (TDS) exceed 350 ppm, misting system performance and lifespan are compromised. High TDS means excess salts, which deposit around fine nozzle orifices, leading to blockages or uneven fog emission. While clogged nozzles can be cleaned, the process is tedious and time-consuming. The only effective solution for high-TDS water is a Reverse Osmosis (RO) system. At Aves Fog, we design customised RO units tailored to individual requirements, and our experts guide you in selecting the right capacity to ensure lasting efficiency and reliable misting performance.



Reverse Osmosis Unit 1
 Capacity: 200 GPD
 For: 0.5 - 1 LPM Systems



Reverse Osmosis Unit 2
 Capacity: 400 GPD
 For: 2 - 3 LPM Systems



Reverse Osmosis Unit 3
 Capacity: 800 GPD
 For: 4 - 5 LPM Systems

Aves HP Misting Electric Panels

Our Electric Panels are manufactured in Pakistan, built with strict focus on safety and reliability. Operating a misting pump without water can damage seals within minutes, therefore every Aves panel is equipped with automatic dry-run protection to instantly shut down the pump during water scarcity. Similarly pump oil replacement reminder ensures timely maintenance and prolonged performance.

Compact I-phase panels power smaller misting systems (0.5, 1, 2 & 4 LPM), while robust III-phase panels drive larger models (8, 12, 14 & 24 LPM). Each unit securely houses the pump-motor set, with electrical parts isolated in a splash-proof compartment. Components are carefully chosen through rigorous R&D, and the design ensures quick replacement in case of a rare failure.

For unique setups, we also develop customised panels tailored to meet individual needs.



ELECTRIC PANEL A
Designed For: 0.5 - 1 - 2 - 4 LPM Pumps
I Phase 220V/50Hz

Rain Resistant
Wall Hanging
Dry Run Safety
Intermittent Timer

Manual operation via timer
Automatic operation via RH and/or temperature controller.
Customisation Possible.



ELECTRIC PANEL B
Designed For: 8 - 12 - 14 LPM Pumps
III Phase 380V/50Hz

Rain Resistant
Wall Hanging
Dry Run Safety
Oil Replacement Timer

Manual operation via intermittent timer
Automatic operation via RH and/or temperature controller.
Customisation Possible.



ELECTRIC PANEL C
Designed For: 24 LPM Pumps
III Phase 380V/50Hz

Rain Resistant
Floor Resting
Dry Run Safety
Oil Replacement Timer

Manual operation via intermittent timer
Automatic operation via RH and/or temperature controller.
Customisation Possible.

Our Clients

