

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.*



# Aves High Pressure Misting Pumps

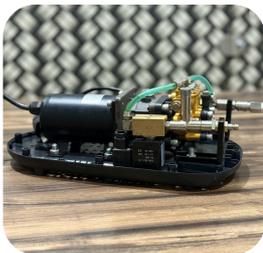
Misting pump is the driving force of every misting system. As the most critical component, its quality determines overall performance and long-term reliability.

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



**HPN 10**  
 Nozzle with Anti-drip valve & SS filter  
 Material: Nickel Plated Brass  
 Orifice: Ceramic 0.1 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



**HPN 20**  
 Nozzle with Anti-drip valve & SS filter  
 Material: Nickel Plated Brass  
 Orifice: Ceramic 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.

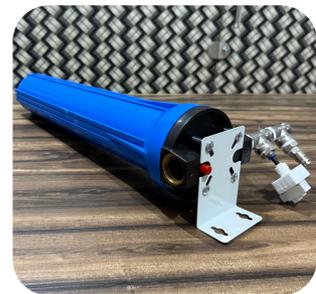
We source premium quality PP filters and housings from leading global manufacturers, focusing on every detail that ensures durability and performance. Made from food-grade materials, Aves filters and housings are available in 10" and 20" sizes.



**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.



# 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

