

VERSAMIST FAN INSTRUCTIONS



Versamist Fan with Pump

Rent individually or with up to two
Satellite Fans connected.

NEEDS WATER SUPPLY AND 110V POWER



Versamist Satellite Fan

Functions as a misting fan only when
connected to Versamist Fan with Pump.
(25' connecting hose provided)

NEEDS 110V POWER

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PARTY RENTAL

Start-Up / Operation

To begin the start-up procedure, the power cord must be disconnected from the electrical supply. You will also want to ensure that the ball valve on the back of the unit is in the closed position.

STEP 1 - WATER SUPPLY

Connect a 1/2" or larger water supply line or hose to the valve on the back of the enclosure. Make certain that the following water supply conditions are met:

- Supply pressure of 15-75 PSI
- Constant minimum flow rate of 1 GPM
- Water pH of less than 7.5
- Total dissolved solids content of less than 500 PPM



WARNING



ELECTRICAL SHOCK HAZARD

- Serious injury or death is possible.
- Wear/use electrically-insulating gloves and tools when working inside enclosure with power on.



CAUTION

Fluctuating water supply can cause cavitations in mist pump resulting in permanent damage.

Use only stainless steel, copper or brass pipe and hardware to plumb the water supply. Black or galvanized steel plumbing parts will corrode, creating particulate that can plug nozzles.

Excessively hard (high solids) water can plug nozzles.

A plugged filter caused by poor quality water can restrict flow to pump causing permanent damage.

Never operate pump without water supply.

Do not close off system completely on discharge side of pump when operating at high pressures (greater than water supply pressure). Always provide flow to at least four nozzles while operating pump.

Start-Up / Operation (continued)

STEP 2 - START-UP AND VENTING

1. At first use, air may be entrained in the internal hoses and pump chambers. This will prevent the system from pressurizing properly. You may experience motor and pump operation with minimal or no misting.
2. **With the GFCI power cord inserted into a properly grounded power supply receptacle** and the pressurized water supply open to the unit, move the rocker switch to the FAN/MIST position.



WARNING



ELECTRICAL SHOCK HAZARD

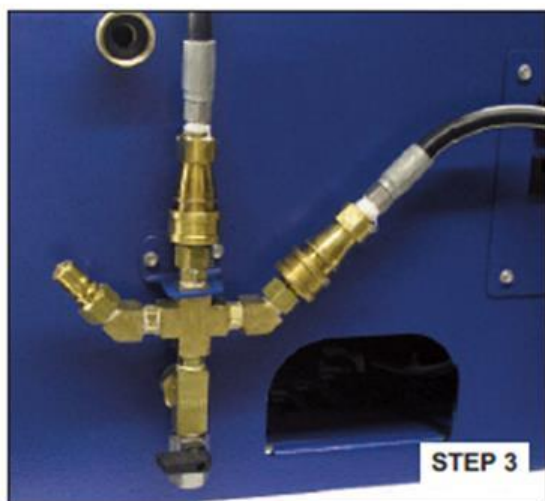
- Serious injury or death is possible.
- Only connect power supply (GFCI) plug to a properly grounded (bonded) receptacle.

Start-up / Operation (continued)

STEP 3 - CONNECT SATELLITE FAN(S)

The pump base can accommodate up to three (3) total mist rings with fans.

1. Turn pump OFF and allow pressure to bleed down completely.
2. Using the female quick-disconnect on the supply hose provided with each satellite fan, connect to any one of the three male supply fittings at the back of the pump housing (see illustration at right).
3. Make certain there are no kinks or twists in any of the hoses supplying water to a mist ring.
4. Re-start the system and vent air if necessary (see page 11 for venting instructions).



STEP 4 - FAN OPERATION

All fan models have three speeds. The fan motor has a chain switch for speed control as well as on/off, and fan power is also controlled by the switch on the back of the pump enclosure. Set the fan speed of choice (generally this will be high speed for best results) once and then control power to the fan at the switch on the enclosure. This switch will only control power for the fan mounted on the cart; it will not control power to the satellite fan(s). You must use the pull chain on each satellite fan to turn them on/off. *The receptacles on the pump enclosure are live whenever the main power cord is plugged in.*

For best results, always attempt to place the fan in an upwind position (fan blowing in same direction as wind) when misting.

Never allow the "fog" from the nozzles to come in contact with surfaces. This will cause condensation and water will form on those surfaces. Redirect the fan to prevent this circumstance.



ROCKER SWITCH

UP = FAN ONLY
(OUTLETS ON)

MIDDLE = OFF
(OUTLETS OFF)

DOWN = FAN / MIST
(OUTLETS ON)



WARNING



**ELECTRICAL SHOCK
HAZARD**



PINCH HAZARD



TRIP HAZARD

- Serious injury or death is possible.
- Plug these units into properly grounded receptacles only.
- Receptacles on pump base are live when main power cord is plugged in.
- Do not operate fans without guards in place.
- Do not insert anything into fan guard while fan is operating.
- Position cords and hoses to lie flat on the ground or floor.

Troubleshooting

SYMPTOM	POTENTIAL CAUSE(S)	CORRECTIVE ACTION
Low pressure.	<ol style="list-style-type: none">1. Worn nozzle.2. Air leak in inlet plumbing.3. Pressure gauge inoperative or not registering accurately.4. Filter clogged.5. Leaky discharge hose.6. Inadequate water supply.	<ol style="list-style-type: none">1. Replace nozzle.2. Tighten fittings and hoses.3. Check with new gauge.4. Replace filter.5. Replace discharge hose.6. Confirm that supplied water pressure is between 15-75 PSI.
Pump is on but mist ring is not working.	<ol style="list-style-type: none">1. Pressure regulator turned low.2. There may be a leak in the system.3. There may be an air lock.	<ol style="list-style-type: none">1. Turn pressure regulator clockwise to increase pressure.2. Confirm that nozzles are intact. Check for loose hose fitting in manifold line.3. Follow pump venting instructions in this manual.
Water sprays from nozzles after system is turned off.	<ol style="list-style-type: none">1. Pressure may not be completely bled from system.	<ol style="list-style-type: none">1. Allow pressure to bleed slowly while running fan.
Pump stops running.	<ol style="list-style-type: none">1. Power supply interrupted.2. Circuit breaker switched off.3. Low-pressure switch activated.4. Pump motor overheated.5. GFCI is tripped.	<ol style="list-style-type: none">1. Restore power.2. Confirm breaker is not being overloaded or is worn.3. Confirm inlet water supply is still on and is 15-75 PSI. Inspect filters and replace if required. Water supply being shared can reduce water pressure. Confirm low-pressure switch control wires are intact.4. Never operate pump above 1000 PSI. Confirm proper ventilation is available to pump motor. Confirm voltage and that motor is within service factor. Low-pressure sensor tripping motor on and off. Check water pressure is 15-75 PSI.5. Press RESET button on GFCI.
Knocking noise.	<ol style="list-style-type: none">1. Inadequate water supply.	<ol style="list-style-type: none">1. Ensure that correct inlet water pressure is supplied, especially at system start-up.
Nozzle(s) leaking during operation.	<ol style="list-style-type: none">1. Nozzle not tightened.2. Nozzle O-ring worn or missing.	<ol style="list-style-type: none">1. With unit turned off (i.e. no water pressure), hand tighten nozzle(s).2. Replace nozzle(s).
Nozzle does not spray water.	<ol style="list-style-type: none">1. Nozzle clogged or broken.	<ol style="list-style-type: none">1. Clean or replace nozzle.