DIY Swiftlet Misting System

Step 1: Plan and design your misting system. Calculate the number of nozzle required and select the misting model.

Step 2: Start the measurement at the junction of the mist tubing. From the misting pump and the mist line, proceed to the desired end point. Based on each individual situation, you may have to break the measurements up into several segment. After measuring, calculate the number of lengths, connector, joint and clip needed.

Step 3: Begin install the pipe. When install the pipe, keep in mind that they have to hand approximately 8" above the ground to work properly.

Step 4: Finished piping installation. Air and debris must now be bled from the misting lines. Turn on the water and start the pump; water will begin leaking out of the welded nozzles. Walk along the lines and check the welded nozzle for bleeding. Allow the water to run for 15 seconds, then shut it off and install the mist nozzle into each nozzle that bled. Repeat the process until full system run smooth.

Sample of form:

	Quantity
Mist pump model (based on no of nozzle)	
Total length of PE tubing (in meter)	
Total length of stainless steel pipe (SS) (1m/1.5m/3m)	
Nozzle	
Central connector	
End connector	
T connector	
L connector	
Connector joint PE tubing to SS pipe	

Why WULI Misting System?

- Easy installation and maintenance.
- Low operation and maintenance cost.
- Dua bearing design: Lowers the heat and noise by reducing friction and wear.
- Forged manifold: Anti-rust, non-leaking design extends the life of the pump.
- Rinse cooling design: Internal rinse design channels water to packings to reduce heat stress and increase the life of the packings.
- Automatic pressure valve: Controls the consistency of the pressure, regardless of the number of nozzles used and nozzles become clogged.
- Circuit breaker: Stops the motor if the voltage is outside of the safety parameters.
- Double filter: Inlet and outlet filter with 0.1mm mesh diameter block the debris enter the misting system, reduce the possibility of nozzle become clogged.
- Ventilation fan: To drive away the heat produced by the pump and motor. This will keep cool and comfortable environment for the pump and reduce the pump and motor over heat.

Model	Pressure (P.S.I)	Suction vol.(l/min)	Nozzle Qty.*	Motor Power (W/ Hp)	Motor Volt	Motor R.P.M
SS040	1,000	0.4	4 ~ 7	125	230	1,410
WM1001		0.9	10 ~ 16	200	230	1,410
WM2000		2.0	24 ~ 37	1/2Hp	230	700
WM3300		3.4	40 ~ 65	1/2Hp	230	700
WM4500		4.5	54 ~ 87	1Hp	230	920