

# User's Manual



**atomist**  
*cooling misting fans*



## Atomist Owner's Manual

### Congratulations on your purchase of the atomist misting fan!

Please read this manual before using your equipment. Please retain this manual for future reference. FOR QUESTIONS OR SUGGESTIONS CONTACT US at 1-469-513-7600 OR email us at info@atomistfans.com

#### BENEFITS:

- \* Patented dual atomizing technology
- \* Reduces and cools room or outside temperatures up to 30 degrees Fahrenheit
- \* Low cost
- \* Easy installation
- \* For indoor or outdoor use
- \* Creates a comfortable recreational or work environment
- \* Increases employee productivity
- \* Reduces electricity bills
- \* No moisture, pooling or dripping
- \* No spray nozzles, no clogs
- \* Fully adjustable mist control
- \* Hydrates the air
- \* Maintenance free
- \* Reduces static electricity
- \* No filters required
- \* Reduces allergens

#### CAUTION:

- \* Install equipment out of reach of children.
- \* The centrifugal disk spins at 3,500RPM; DO NOT put hands or other objects near the fan while the unit is running.
- \* Do not turn on the equipment if there are any damaged parts.

#### SPECIFICATIONS:

##### Atomist Misting Fan Model A1

Coverage	Outdoor 750 sq.ft
Energy Consumption	120W
Voltage	110v
Noise Level	59db
Fan Dimensions	23.5 X 12.5 (59.7 cm x 31.8 cm)
Package Dimensions	25.5 X 28 X 13.3 (64.8 cm x 71cm x 34 cm)
Net Weight	31pounds (14Kg)
Gross Weight	33 pounds (15Kg)

#### Wall Mount Unit

##### PACKING LIST:

###### Box 1

- \* 1 - Atomist Fan
- \* 1 - Metal "L" Bracket
- \* 1 - 1½" Bolt
- \* 2 - washers

###### Box 2

- \* 1 wm-ebox (Wall Mount Electronic Box)

##### NEEDED FOR INSTALLATION (not included)

- \* Ladder
- \* Hammer
- \* Hand Drill
- \* Screwdriver
- \* Bids
- \* Anchors and Screws
- \* Screwdriver
- \* Wrench
- \* Pliers
- \* Hose to Hose Connector
- \* Masking Tape
- \* Hose Splitter
- \* Stud Locator if Installing on Drywall.



## INSTALLATION GUIDELINES:

- \* Before installing, identify the area where you want to install the Atomist Misting Fan. Consider wind when outdoors (use it to your advantage). If possible, have the air flow moving from cooler to hotter areas.
- \* Identify the water and electrical power sources that will connect to the Atomist Misting Fan and the electromagnetic valve.
- \* When installing indoors, always install this equipment where there is air circulation from natural opened ventilation or forced air, like an AC unit or any other type of air blower.
- \* Install the equipment on a column support or wall, using the provided bracket.
- \* For better performance, the recommended installation height is to install the upper part of the bracket from 8 to 9 feet from the ground.
- \* You can tilt the angle of the fan up to 25 degrees for optimal performance.
- \* Adjust the valve higher or lower to produce mist according to conditions of the environment.
- \* If you are installing in an area with a ceiling height lower than 10 feet, allow a minimum of 1 foot distance from the ceiling to the top of the installation bracket to avoid water condensation.
- \* If you are installing this equipment where high water quality is a requirement. We recommend adding a line filter to the water source.
- \* Each misting fan uses approximately 1.5 amps, but it can reach up to 5 amps when it is being turned on
- \* The first time the Atomist Misting Fan is turned on, you may hear a light noise that should dissipate in a few seconds as the fan blade clutch self-adjusts.

## INSTALLATION:

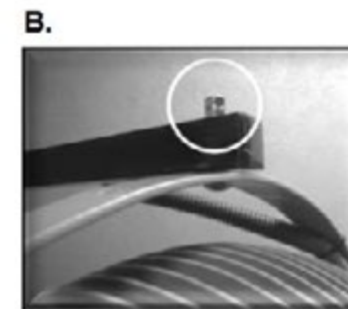
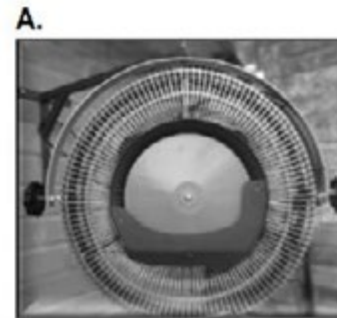
Installation video available on YouTube: Do a search for "Atomist Misting Fan Installation Video"

### 1. Check equipment and job site.

- a. You should have received two carton boxes, one with the wm-ebox and one with the Atomist fan
- b. Unpack unit, taking care not to damage the fan and parts.
- c. Inspect equipment, ensuring all parts are in the cartons.
- d. It's important to follow the guideline recommendations and considerations to select the ideal place to install the atomist misting fan.

### 2. Installing the fan.

- a. Install on a solid, level mounting wall or frame, making sure the selected area will support 31 pounds of weight.
- b. Use professionally recommended anchors to safely support the equipment's weight on the wall where it's being installed.
- c. Mark the wall holes, using the "L" bracket provided as guide
- d. Drill the holes and secure the "L" bracket in place
- e. Using someone's help, hold the fan in place and using the screw provided, attach the "U" ring to the "L" bracket (Pic. A). Add 1 washer to the bolt pass it through the center hole of the "U" ring and through the hole on the tip of the "L" bracket, add the second washer and the 2 bolts and tighten them well against each other, to lock in place. (Pic. B)
- f. Adjust the angle of the fan by releasing the screw knobs and moving it backward or forward up to 25 degrees. Remember to tighten it well after adjusted. If it starts leaking, you are little too far forward and will need to bring it back a little (Pic. C).



### 3. Installing the wm-ebox Electromagnetic Valve.

- Select the location and screw the valve metal plate to the wall (Pic. D)
- Connect the water tube from the fan to the valve quick connect by just pushing it into the connector (Pic. E)



### 4. Instructions on how to attach water source.

- Run a line to connect the water source to the electromagnetic valve and a line from the valve to the misting fan.
- If water source is also used for other purposes, make sure a shut off valve is installed to the line that will feed the Atomist Misting Fan.
- Test the installation for leaks.

### 5. You are now ready to test the atomist misting fan. Read the "OPERATION" instructions before operating for the first time.

#### OPERATION:

- If you do not want to turn the water ON, you can use the Atomist Misting Fan as a regular fan, as this will not cause any damage to the equipment.
- Turn the "Fan" ON/OFF switch (Green Button) on the wm-ebox to ON (Pic. F)
- The mist coming out of the device is regulated in the water valve by turning the water flow knob (Pic G.).
- In air-conditioned environments, you can use the Atomist Misting System to improve AC performance and also air humidity conditions.
- Note that the mist regulation should vary when installing indoor versus outdoor, or for cooling versus improving air quality. You do not want to saturate the air humidity as it will start to condensate. If this is happening, reduce the amount of mist being produced.
- It is recommended that you clean the misting fan regularly by wiping down the fan with a moist towel to remove any dust build up.



## Pedestal Unit

### PACKING LIST:

#### Box 1

- \* 1 - Atomist Fan
- \* 1 - Metal "L" Bracket

#### Box 2

- \* 1 - Pedestal (Model R33, R58 or R64)
- \* 2 - screws
- \* 3 - Bolts
- \* 3 - Washers
- \* 1 - Drain Plug

#### Box 3

- \* 1 - pd-ebox (Pedestal Electronic Box)

### INSTALLATION GUIDELINES:

- \* For better performance, consider wind when using it outdoors (use it to your advantage). If possible, have the air flow moving from cooler to hotter areas.
- \* Identify the electrical power source that will connect to the atomist misting fan.
- \* Indoor use ONLY in areas that you have air circulation from natural opened ventilation or forced, like AC unit or any other type of air blower. Make sure the volume mist will not saturate air humidity.
- \* You can tilt the angle of the fan up to 25 degrees for optimal performance.
- \* Adjust the misting volume to higher or lower to produce mist according to conditions of the environment.
- \* Each misting fan uses 5 amps of energy
- \* The first time the atomist misting fan is turned on; you may hear a light noise that should dissipate in a few seconds as the fan blade clutch self-adjusts.

### NEEDED FOR INSTALLATION (not included)

- \* Wrench
- \* Hand Drill
- \* Screwdriver



## INSTALLATION:

- It will take approximately 15 minutes to install the pedestal mount Atomist unit.
- You should have received three carton boxes, one with the pedestal, one with the pd-ebox and one with the Atomist fan
- Unpack unit and remove carton taking care not to damage the fan, the pedestal and parts.
- The small carton with the pd-ebox should contain a Ziploc with a drain plug, three bolts and three washers (Pic. H)
- Inspect Equipment. Ensure all parts are in the carton.
- Grab the drain plug, add some Teflon tape and attach to the bottom of the pedestal and tighten it well (Pic. I)
- Grab the pd-ebox and insert the pump into the large hole on top on the pedestal and slowly lower it all the way to the bottom (Pic. J)
- Slide the pd-ebox in place (Pic. K)
- Attach the pd-ebox with the screws
- Grab the Atomist Fan and pull the U-ring metal bar 90 degrees to the back
- Sit the fan on top of the pedestal, making sure U-ring metal bar is on the preset slot on the top of the pedestal and the metal bar holes are aligned with the bolt holes on the pedestal. (Pic. L)
- Attach the provided bolts and make sure the U Ring safely attached to the pedestal.
- Rotate the fan back to the correct position (Pic. M)
- Connect the water hose from the fan to the top of the pd-ebox by inserting it in the quick connector and applying a little pressure so it will lock in place. \* Note: If you are sure you are not going to be using this fan as a wall mount unit, feel free to shorten the water hose to the length needed to connect it to the pd-ebox. Pay attention not to cut it too short.
- Connect the electrical cable from the fan to the electrical connection on the top of the pd-ebox where it says fan (Pic. N)
- Open the rear port on the pedestal and fill water to desired level. (Pic. O)
- You are now ready to test the atomist misting fan. Read the "OPERATION" instructions before operating for the first time.

H.



I.



J.



K.



L.



M.



N.



O.



## OPERATION:

- \* Make sure the water and electrical connections are all plugged in.
- \* There are three on/off switches on the back of the pd-ebox (Pic P) Fan (green), Pump (yellow) and Oscillation (red).
- \* The Mist and the Oscillation will not turn ON, unless the fan is turned ON. Turn the fan switch to the ON position and then turn the water mist to the ON position, in a few seconds fan should start to mist.
- \* Once the fan is misting, you can adjust the amount of mist by turning the mist control knob clockwise or anti-clockwise.
- \* If you want, you can operate the fan without the mist, as this will not harm the equipment.

P.



## LIMITED WARRANTY:

The manufacturer guarantees Atomist Fans against any manufacturing defects within the period of twelve months, from the date on the sales invoice.

### Warranty Conditions:

- \* Any defects must be immediately communicated a U.S. atomist distributor, along with the original sales receipt.
- \* This warranty covers the replacement of parts that malfunction due to manufacturing defects and includes the labor involved with the repair.

### Warranty will be deemed null and void when:

- \* Damage or repairs required as a consequence of faulty installation, misapplication, abuse, improper servicing, unauthorized alteration or improper operation.
- \* Atomist products installed outside of USA and Canada.
- \* Failure to start or operate due to owner voltage conditions, blown fuses or other damages due to inadequacy or interruption of electrical service.
- \* Parts not supplied or designated by Atomist, or damages resulting from their use.
- \* Damage as a result of floods, winds, fires, lightening, accidents, corrosive environments, or other conditions beyond the control of atomist.
- \* If the product is altered, changed or repaired by anyone who is not authorized by atomist Fans.
- \* Defects caused by owner's accidents or misuse of the product.

### The Warranty does not cover:

- \* Expenses related to the consumer travel to obtain technical assistance.
- \* Expenses related to the installation of the product.
- \* Expenses related with the cleaning of the equipment.
- \* Scratches, marks, dents or damage to the products or parts due to transportation or handling accidents.
- \* Power failures or surges resulting from electrical power supply problems.

## REMARKS:

- \* Atomist Fans, in the attempt to continuously improve its products, reserves the right to change general, technical and esthetic characteristics of products without prior warning.
- \* This warranty certificate is valid for all products sold by atomist Fans and its authorized distributors.
- \* Keep the User's guide and invoice/sales receipt for future reference for warranty service requests.

# atomist

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