

# FEEL THE MIST



**VENTOMIST®**

by



**vento  
technologies**

AMBIENCE CONTROL INNOVATIONS



FEEL THE COOL  
FEEL THE MIST

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## Ventomist: Greater Innovation, Lower Prices and Higher Quality in Portable and Fixed Misting Systems

Misting systems and misting fans depend upon a process known as evaporative cooling for their considerable effectiveness.

Evaporative cooling is one of nature's most impressive tricks. Through this process, misting systems and misting fans bring cooler temperatures into buildings, warehouses, large indoor spaces, outdoor areas and events, and many other locations.

Since ancient times, the concept of evaporative cooling has been used to great effect in order to cool the air and lower ambient temperatures.





*A misting fan works by blowing a mist of fine water particles out and into the air. In misting systems, misting pumps are the core of the system. This factor highlights the importance of having a reliable pump.*





# THE MAGIC OF MISTING

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## Evaporative Cooling and Misting Systems

In essence, evaporative cooling works in lowering ambient temperatures whenever water evaporates upon the flow or passage of air. The more evaporation you have, the greater you can expect the cooling effect to be.

If you have ever licked your finger and held it up to the wind, then you have seen firsthand how evaporative cooling works. Immediately, you will feel cooler air on your finger through this natural process.

Misting systems work by pumping water through rigid or flexible tubing with attached small orifice nozzles that allow the pressurized water to be released in microscopic droplets. These water droplets are often referred to as fog, mist or water vapor.

Misting pumps can be low pressure, medium pressure or high pressure. Usually, misting nozzles are made from stainless steel or brass. The orifice at the end of a misting nozzle is very narrow, usually just a few micrometers, and produces a very fine micro-mist of water droplets. This is where the “magic” of misting takes place.





*The wide versatility of misting fans and misting systems allows this technology to be depended upon for a wide variety of projects in which cooler or lower temperatures are desired.*





# IT IS ALL ABOUT RESULTS

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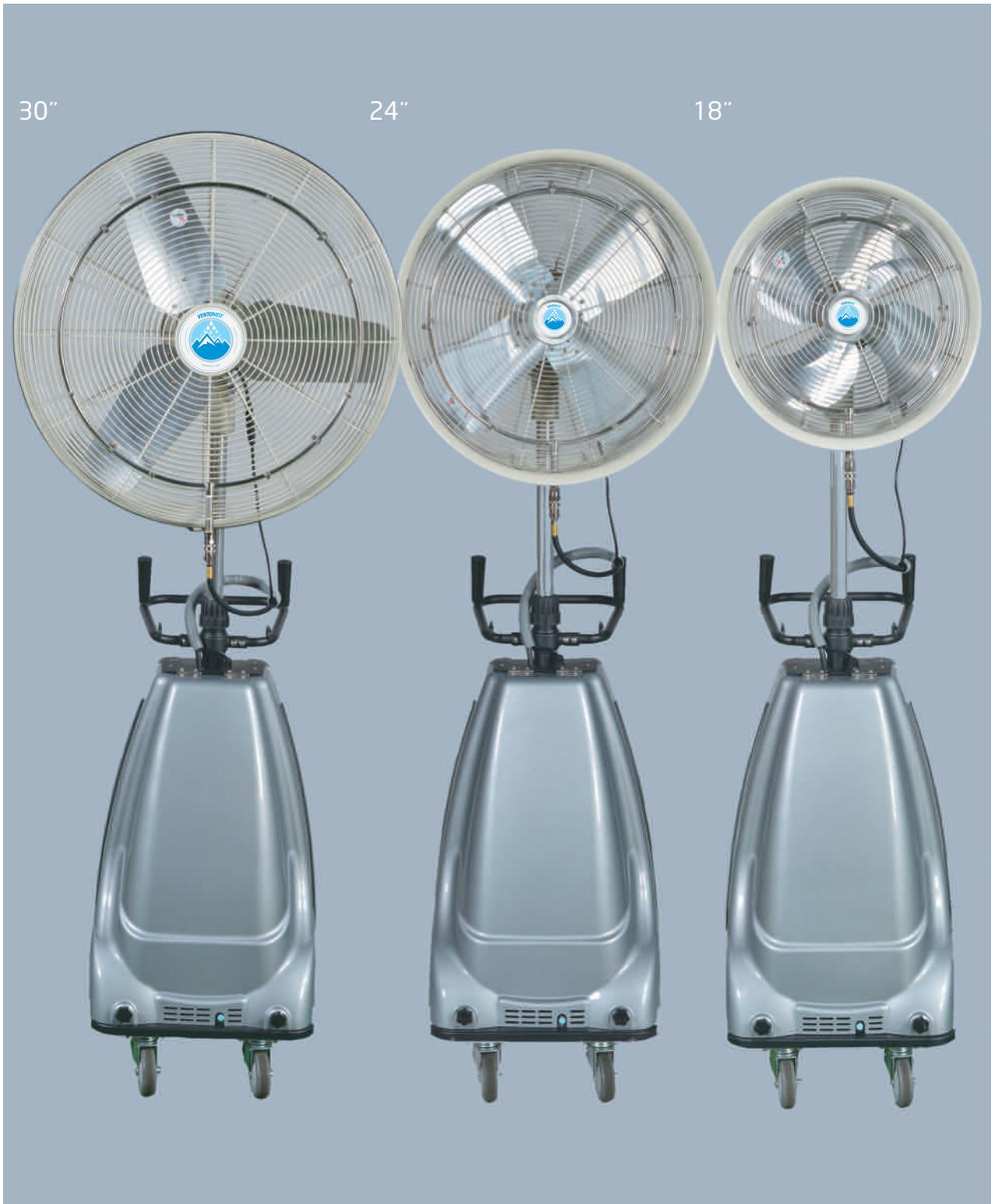
## **Misting Systems Can Produce Dramatic and Rapid Results.**

Due to the fact that the mist is so fine, the water droplets evaporate almost instantly. As a result of this “immediate” or “flash” evaporation process, it is possible to dramatically reduce the temperature of outside areas by as much as 30 degrees. Equally impressive is the fact that misting systems can achieve this level of success often in just seconds.

## **Misting Fans Combine the Substantial Cooling Power of Evaporative and Convective Cooling.**

A misting fan works by blowing a mist of fine water particles out and into the air. In misting systems, misting pumps are the core of the system. This factor highlights the importance of having a reliable pump. The water will evaporate quickly if humidity levels are not too high, and the end result is that the heat will be absorbed from the area surrounding the misting fan.

Misting fans work via a clever combination of evaporative cooling and convective cooling. You may be more familiar with convective cooling’s more widely known name, “wind chill factor.” The combination of evaporative cooling with convective cooling results in very effective cooling. Part of the attraction of misting fans is the fact that they are highly portable and can be used in a wide variety of locations.



*Our top of the line misting units come in three different sizes – 18", 24" and 30". All of our units are heavy duty and industrial grade rated. They also come with a CE certification.*



# WILL NOT GET YOU WET

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## Misting Systems and Misting Fans Will Not Get You Wet.

Many people incorrectly believe that misting systems will get them wet due to the moisture that is being introduced into the environment. However, in reality, misting systems and misting fans will only get people wet if they stand within a few feet of an operational system.

## Misting Systems and Fans Can Be Used in Remarkably Diverse Locations.

Today, misting systems and misting fans are used in an impressive array of locations and settings. Misting is used in both residential and commercial locations. Hotels, amusement facilities, special events and outdoor settings, such as sporting events, are perfect fits for misting systems and misting fans.

Misting is also a proven solution in industrial applications, such as large factory settings including warehouses, assembly lines, loading docks and many more. Other effective uses of misting systems and misting fans include restaurant patios and residential terraces. The wide versatility of misting fans and misting systems allows this technology to be depended upon for a wide variety of projects in which cooler or lower temperatures are desired.





*Ventomist is a go anywhere, highly portable and self-contained misting fan solution that incorporates many innovative features, making it unique in the misting fan and misting systems marketplace.*





# HIGH QUALITY MISTING

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**Ventomist Provides You with All that a High Quality Misting Fan Should Offer.**

Ventomist provides go-anywhere, highly portable and self-contained misting units that incorporate many innovative features, making them unique in the misting fan and misting systems marketplace.

Our top of the line misting units come in three different sizes – 18", 24" and 30". All of our units are heavy duty and industrial grade rated. They also come with a CE certification.

We utilize only the highest quality components; this dedication to quality sets our company and products apart from the competition.



## GET THE BEST

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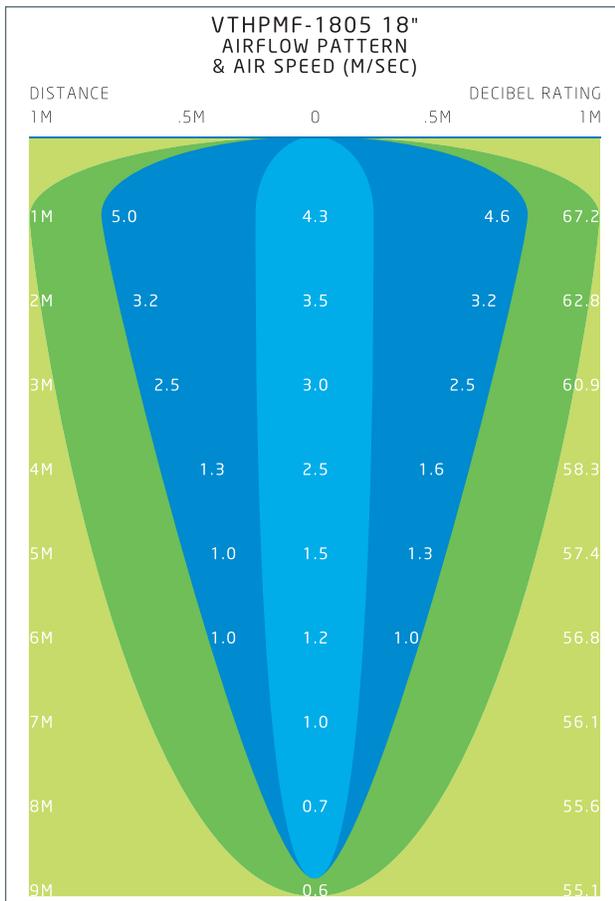
All of our units come equipped with the following standard features:

1. Dual ceramic piston (0.5 and 1.0 liter/min capacity) high pressure misting pumps (1,000 PSI).
2. 6 or 8 nozzle capacity stainless steel misting rings with inline filter at the ring base.
3. 0.15 or 0.20 mm orifice stainless steel anti-drip nozzles with incorporated filter.
4. 24-hour digital control panel with different programmable functions and settings, for a worry-free and hands-free operation.
5. Wireless remote control to operate our units from a distance.
6. Our company will soon release a cloud based App (iOS and Android) to be downloaded into the user's smartphone or tablet to allow for an operation and management of any of our units from anywhere in the world.<sup>1</sup>
7. 60 liter enclosed water tank for continuous misting, without the need to connect the unit to a permanent water source.
8. ¾" Hose connector inlet adapter, float valve and overflow shutoff protection.
9. Four-wheel frame for greater stability and easy transportation – includes 2 locking casters.
10. Highly visible (clear) water level indicator.
11. Priming pump, to allow you to purge the air from the pump, tubing and system.
12. 5 or 10 Micron pump filter.
13. Easy-open (swiveling/detachable) cover for quick access and maintenance of high pressure pump and components.
14. Electrical & water quick connectors for simple fan assembly and disassembly.
15. Pressure release valve, to purge water out of the system when turned off and sending water back into the tank.
16. Metal fittings covered in electroless nickel plating to avoid corrosion and water contamination (for food grade misting in restaurants, patios and food processing plants).
17. Power cord reel-in bracket.
18. Power cord with clamp style plug for easier storage of unit.
19. Ergonomic handle with 2 bars for easy control and mobility of the unit.
20. Adjustable height, swiveling and oscillating fan heads in our 3 size models.
21. 3-speed fan heads, with high airflow and low amperage consumption, rated for 115V – 230V, 50 and 60 Hz., single-phase operation.

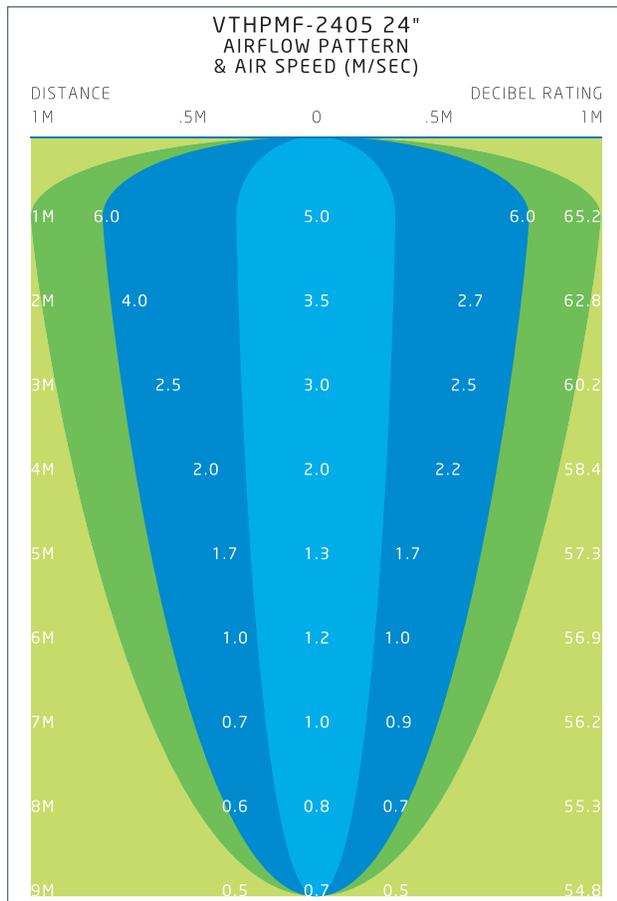
Our units can also be utilized as fixed misting systems (but with the oscillating and swiveling features) for installation in areas such as restaurants, patios, open seating areas, terraces and more.

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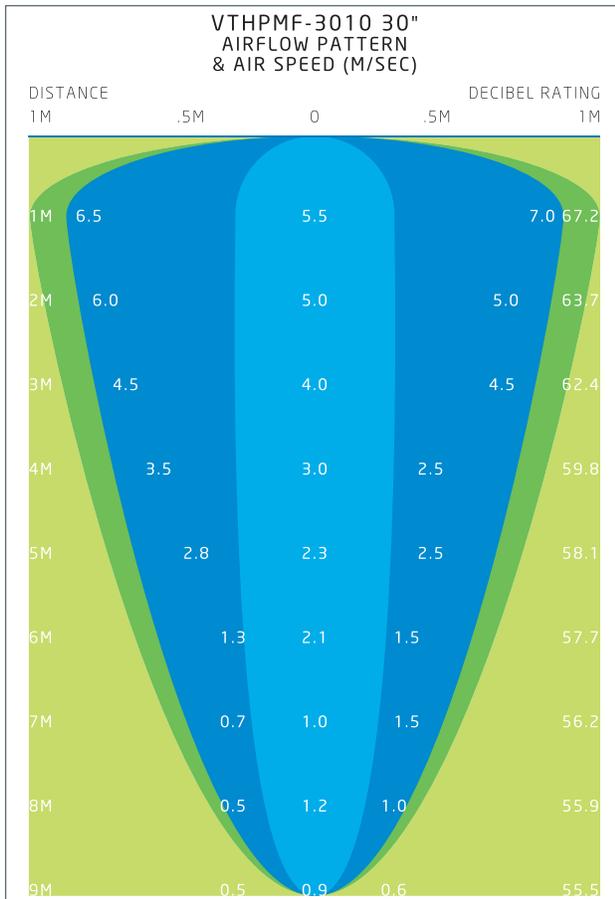
<sup>1</sup>. This feature will require an additional cellular / WiFi gateway and an App to be downloaded from iTunes (iOS devices) or Play Store (Android).



<b>MODEL</b>	<b>VTHPMF-1805</b>
AIR DELIVERY (MAX)	5900 CFM
AIR SPEED	5.2 M / SEC
FAN MOTOR	114W
FAN AMPERAGE	1.05A
FAN BLADE DIAMETER	18"
PUMP	125W
PUMP AMPERAGE	2.3A
VOLTAGE	115V / Also available in 230 V.
FREQUENCY	60Hz / Also available in 50 Hz.
RPM	1655
PHASE	SINGLE PHASE
MISTING RING	15" WITH 6 NOZZLES
MIST VOLUME	0.5 LTS / MIN.
WATER RESERVOIR	16 GALLONS / 60.5 LTS.
UNIT DIMENSIONS (INCHES)	27.6" x 21.3" x 74.8"
UNIT DIMENSIONS (METERS)	0.70 x 0.54 x 1.90
UNIT WEIGHT (LBS)	108 LBS.
UNIT WEIGHT (KGS)	49 KGS.
<b>SHIPPING DIMENSIONS</b>	
FAN HEAD (INCHES)	24.6" x 24.2" x 17.5"
FAN HEAD (METERS)	0.62 x 0.62 x 0.45
FAN BODY (INCHES)	43.1" x 31" x 23.8"
FAN BODY (METERS)	1.10 x 0.78 x 0.60
<b>SHIPPING WEIGHT</b>	
FAN HEAD (LBS)	31.2 LBS
FAN HEAD (KGS)	14.16 KGS
FAN BODY (LBS)	105.8 LBS
FAN BODY (KGS)	48 KGS



<b>MODEL</b>	<b>VTHPMF-2405</b>
AIR DELIVERY (MAX)	9150 CFM
AIR SPEED	4.6 M / SEC
FAN MOTOR	202w
FAN AMPERAGE	1.9A
FAN BLADE DIAMETER	24"
PUMP	125w
PUMP AMPERAGE	2.3A
VOLTAGE	115V / Also available in 230 V.
FREQUENCY	60Hz / Also available in 50 Hz.
RPM	1075
PHASE	SINGLE PHASE
MISTING RING	20" WITH 6 NOZZLES
MIST VOLUME	0.5 LTS / MIN.
WATER RESERVOIR	16 GALLONS / 60.5 LTS.
UNIT DIMENSIONS (INCHES)	27.6" x 26" x 78.7"
UNIT DIMENSIONS (METERS)	0.70 x 0.66 x 2.00
UNIT WEIGHT (LBS)	116 LBS.
UNIT WEIGHT (KGS)	52.6 KGS.
<b>SHIPPING DIMENSIONS</b>	
FAN HEAD (INCHES)	30.1" x 29.3" x 17.5"
FAN HEAD (METERS)	0.76 x 0.75 x 0.45
FAN BODY (INCHES)	43.1" x 31" x 23.8"
FAN BODY (METERS)	1.10 x 0.78 x 0.60
<b>SHIPPING WEIGHT</b>	
FAN HEAD (LBS)	41.6 LBS
FAN HEAD (KGS)	18.88 KGS
FAN BODY (LBS)	105.8 LBS
FAN BODY (KGS)	48 KGS



<b>MODEL</b>	<b>VTHPMF-3010</b>
AIR DELIVERY (MAX)	8865 CFM
AIR SPEED	4.4 M / SEC
FAN MOTOR	200W
FAN AMPERAGE	1.89A
FAN BLADE DIAMETER	30"
PUMP	200W
PUMP AMPERAGE	4.0A
VOLTAGE	115V / Also available in 230 V.
FREQUENCY	60Hz / Also available in 50 Hz.
RPM	1035
PHASE	SINGLE PHASE
MISTING RING	24" WITH 8 NOZZLES
MIST VOLUME	1.0 LTS / MIN.
WATER RESERVOIR	16 GALLONS / 60.5 LTS.
UNIT DIMENSIONS (INCHES)	27.6" x 32.3" x 81.1"
UNIT DIMENSIONS (METERS)	0.70 x 0.82 x 2.06 MTS
UNIT WEIGHT (LBS)	120 LBS.
UNIT WEIGHT (KGS)	54.5 KGS.
<b>SHIPPING DIMENSIONS</b>	
FAN HEAD (INCHES)	36.8" x 36.2" x 20"
FAN HEAD (METERS)	0.93 x 0.92 x 0.51
FAN BODY (INCHES)	43.1" x 31" x 23.8"
FAN BODY (METERS)	1.10 x 0.78 x 0.60
<b>SHIPPING WEIGHT</b>	
FAN HEAD (LBS)	57.7 LBS
FAN HEAD (KGS)	26.18 KGS
FAN BODY (LBS)	105.8 LBS
FAN BODY (KGS)	48 KGS



# EXPERTISE AND RELIABILITY

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Ventomist Provides You with All that a High Quality Misting Fan Should Offer.



Ventomist® is a registered brand of Vento Technologies, Inc. – the exclusive provider of Ambience Control Innovations™.

The executive team at Vento Technologies, Inc. possesses more than 25 years of combined hands-on industry experience in the design, manufacturing and distribution of industrial ventilation equipment.

This considerable experience and exposure in the ventilation marketplace has led us to create and present to you our new Ventomist product line - the leading and most effective way to utilize high pressure misting fans and misting systems. If you are looking for an innovative, highly reliable and cost-effective solution, then Ventomist is your best option.



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