



**2006**  
**INDUSTRIAL / AGRICULTURAL**  
**MISTING FAN**  
**PRODUCT CATALOG**

Jaybird



# Application Guide



## **Turbo XE**



## **HRSM**



## **AquaFog 400**



## **CRSM**

Bareroot Storage  
 Citrus De-greening Humidification  
 Cold Room Produce Storage  
 Concrete Block / Paving Stone Curing  
 Concrete Pipe Curing  
 Concrete Structured Shape Curing  
 Greenhouse Cooling  
 Greenhouse Humidification  
 Greenhouse Plant Propagation  
 Hot Environment Worker Evaporative Cooling  
 Industrial Cooling / Humidification  
 Livestock Cooling / Dust Control  
 Manufacturing Plant Dust Control  
 Mfg. Plant Static Electricity Control  
 Mfg. Plant Humidification Control  
 Mfg. Plant Spot Evaporative Cooling  
 Mushroom Growing  
 Potato Storage  
 Printing Plant Humidification  
 Rotational Mold Cooling  
 Textile Plant Humidification  
 Tissue Culture  
 Tobacco Conditioning  
 Vegetable Storage Humidification  
 Warehouse Storage Humidification  
 Wine Storage Humidification  
 Wood and Lumber Conditioning

Bareroot Storage  
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 Construction Worker Cooling  
 Greenhouse Humidification  
 Hot Environment Worker Evaporative Cooling  
 Industrial Cooling / Humidification  
 Industrial Chemical Fogging  
 Industrial Evaporative Spot Cooling  
 Large Area Indoor Fumigation  
 Livestock Sterilization Fumigation  
 Manufacturing Plant Dust Control  
 Mfg. Plant Static Electricity Control  
 Mfg. Plant Humidification Control  
 Mfg. Plant Spot Evaporative Cooling  
 Mushroom Growing  
 Outdoor Cooling  
 Potato Storage  
 Printing Plant Humidification  
 Rehab Cooling  
 Rotational Mold Cooling  
 Textile Plant Humidification  
 Tobacco Conditioning  
 Vegetable Storage Humidification  
 Warehouse Storage Humidification  
 Wine Storage Humidification  
 Wood and Lumber Conditioning

Amusement Park Evaporative Cooling  
 Competition Horses and Animals  
 Festival People Cooling  
 (Retail) Greenhouse Cooling / Humidification  
 Hobby Greenhouse Cooling / Humidification  
 Mushroom Growing  
 Orchid Growing  
 Outdoor Event Evaporative Cooling  
 Patio Cooling  
 Recreational Evaporative Cooling  
 Research Test Chamber Humidification  
 Sports Athletes  
 Wine Storage Humidification  
 Zoo Animal Evaporative Cooling

Greenhouse Pesticide Fogging  
 Greenhouse Fungicide Fogging  
 Pest and Insect Fogging



## **ORMS**

Odor Control Product Atomization  
 Fumigation Liquid Chemicals

Call us and mention this catalog to get a \$10 off on your first order when you order at least one unit of fan / fogger. Offer valid through July 31st 2006



**Industrial  
Humidification**

**Spot Cooling Systems | Worker Evaporative Cooling Fans | Portable Humidifiers  
Portable Fumigation Equipment | Industrial Cooling Systems  
Employee Cooling near Ovens, Furnaces or Foundries | Manufacturing Process Humidification  
Textile Plant Humidification | Dust and Static Electricity Control | Warehouse Cooling and  
Humidification**

Aquafof fans are extremely useful in a variety of large-scale manufacturing operations. Units are incredibly powerful and ideal for spot, evaporative cooling for workers in very hot working environments. Manufactures of products that need a specific relative humidity levels can utilize the hanging Turbo XE units to humidify large environments. Aquafof units produce high-quality fog with fully adjustable output for versatility and control in keeping nearby equipment dry. In addition, these low-maintenance, nozzle-free units are self-flushing and will not clog. Aquafof fogging fans are very successful in rehumidifying, suppressing dust and static electricity in many indoor manufacturing operations, such as wood, paper, textiles, and leather goods applications, as well as providing for the proper relative humidity environments in storage facilities. With industrial-grade components and unique engineering, Aquafof fans provide the performance and dependability highly sought after in the manufacturing industry.



**The key fogging equipment used for industrial applications...**

<b>Spot and Worker Evaporative Cooling</b>	<b>Mobile Humidification</b>	<b>Hanging Industrial Turbo XE Fans Cooling/ Humidification</b>	<b>Fumigation</b>
<a href="#">XE-HRSM</a>	<a href="#">XE-HRSM</a>	<a href="#">XE-1000</a>	<a href="#">XE-HRSM</a>
<a href="#">XE-1000</a>		<a href="#">XE-2000</a>	<a href="#">XE-ORSM</a>
<a href="#">XE-2000</a>		<a href="#">XE-1500 for 50Hz</a>	<a href="#">XE-CRSM</a>
<a href="#">XE-1500 for 50Hz</a>			



## Greenhouse Cooling - Greenhouse Humidification - Greenhouse Chemical Application

Aquafo<sup>®</sup>g fogging units excel in the greenhouse growing industry with dependability, ease of installation and low cost. Humidity, cooling and, low-volume chemical application are among the countless uses for good-quality fog in the greenhouse. Applications include Propagation, Plug production, Tissue culture, Orchid growing, Transplant shock reduction, Graft union healing and Bare root storage, to name a few. The very quiet Aquafo<sup>®</sup>g 400 is perfectly suited for the retail greenhouses and residential hobby size greenhouses. The CRSM is a definite winner when it comes to chemical or pesticide fogging, as stated by one of our CRSM owner

### The key fogging equipment that is generally used for...

Retail & Hobby-size greenhouse Cooling and Humidification	Outdoor Patio & Event evaporative cooling	Mid-large Greenhouse Cooling/Humidification	Mid-large scale greenhouse pesticing
Aquafo <sup>®</sup> g 400	Aquafo <sup>®</sup> g 400	XE-2000	XE-CRSM
		XE-1000	
		XE-1500 for 50Hz	
		XE-500	
		XE-660 for 50Hz	
		XE-HRSM	





**Amusement Parks | Festivals | Patios | Mason Cooling  
Construction Worker Cooling | Firefighter Cooling | Industrial Cooling  
Sports Athletes | Competition Animals | Zoos**

The compact, quiet and lightweight [Aquafof 400](#) targets the outdoor cooling applications where people or animals are gathering or where a relaxed quiet, atmosphere is desired. The Aquafof 400 is great around, horses, at the poolside, patios, events, parks, festivals, zoos and perfect for the small backyard greenhouse.

The Mobile and enormously powerful [HRSM](#) targets the Construction, Industrial and specialty outdoor cooling applications. The HRSM is powerful enough to establish large cool zones areas to cool down the outdoor construction worker, Masons, Roofers, Framers, Landscapers, Road Construction Crews, Ect... just to name a few.

Athletic sport programs and Firefighters can use these powerful units to establish large cool down rehab areas for treating over heated athletes and personal. There are also many Industrial-cooling applications that can benefit from this low cost, high performance fine-mist fogging unit.

## THE POWER BEHIND AQUAFOG COOLING

- Every gram of water that evaporates will absorb 540 calories of heat.
- There is 3,790 grams of water in one US gallon
- 252 calories is equal to 1 BTU
- 12,000 BTU's is equal to a Ton of cooling

One Aquafof 400 @ 1.5 gallons evaporation / hour = **1.02 tons** of cooling per hour

One HRSM @ 24 gallons evaporation / hour = **16.25 tons** of cooling per hour

The key fogging equipment used for evaporative cooling applications...

**Large Scale Outdoor  
Evaporative  
Cooling  
Applications**

**[XE-HRSM](#)**

**Quiet, Relaxed Atmosphere  
Outdoor Event Cooling  
Applications**

**[Aquafof 400](#)**



## Citrus Degreening | Mushroom Growing | Vegetable and Fruit Storage

Aquafof fogging fans are widely used in the produce industry. Used for storage of potatoes, carrots, apples and more, the humidity produced by Aquafof foggers helps maintain the weight and appearance of stored produce. Aquafof units are also perfectly suited for mushroom production areas. Delivering much needed humidity for growing fresh mushrooms like shiitake, oyster and button, units can accept ordinary water supplies without clogging. Other uses for Aquafof fans include citrus degreening and cold storage facilities. The HRSM has the added benefit of allowing the user to add chemicals to the water for occasional treatments. Aquafof's high quality fog and competitive price make it ideal for many produce applications.

### The key fogging equipment that is generally used for...

Mushroom production	Cold room produce storage	Humidification of large air plenums for potato storage	Citrus degreening
Turbo XE Aquafof 400 XE-HRSM	Turbo XE XE-HRSM	Turbo XE XE-HRSM	Turbo XE XE-HRSM



From concrete pipe to block, paving stones to structured shapes, Aquafof® fogging fans have taken hold of the concrete industry. Virtually any concrete application where fog can be contained around the product will benefit from the use of these powerful foggers. Companies are choosing Aquafof's® cool fog over traditional steam for its high efficiency and savings. Cold fog disperses more efficiently into warm air, uniformly increasing RH in minutes, resulting in superior curing in less time. In addition, Aquafof's® initial investment cost is substantially lower and the 97% energy savings means lower operating costs.

Cold fog gets absorbed into the warmer surrounding air more efficiently and evenly vs steam. Steam will condensate a lot of its moisture as it enters the cooler surrounding air, in addition to adding heat.

- A heat rise will work against attempts to increasing humidity levels.

[As air heats up, it expands and will decrease its % of RH]

- The amount of energy necessary to convert 1 lb. water to steam is 970.4 (Btu/lb)
- The amount of energy necessary to atomize 1 lb. water using Aquafof is 25.9 (Btu/lb)



### The key fogging equipment used for concrete curing applications...

Concrete curing  
humidification

[XE-2000](#)

[XE-1000](#)

[XE-1500 for 50Hz](#)

Humidification  
Small Research  
Testing chambers

[XE-330](#)

Humidification Mid-  
large Research &  
block chambers

[XE-500](#)

[XE-660 for 50Hz](#)

Mobile  
Humidification

[XE-HRSM](#)



**Wine Storage - Tobacco Conditioning - Rotational Mold Cooling**

**Odor Control: Waste Water Treatment Plants**

**Rendering, Food Processing, Foundries and Asphalt Plants etc.**

**Odor control**

Aquafof foggers are the system of choice for chemical atomization in the odor control industry. Widely used for many odor control applications, companies can combine the Aquafof units with their concentrated chemical and a simple metering pump for a complete, low-maintenance system. Units are easy to install and are very dependable even when used in harsh conditions and corrosive environments. Aquafofgers produce an ultra-fine quality fog, and at volumes of 1-2 gph, they are 99.5% efficient with virtually no waste. The ORSM is a portable unit, ideal for demonstrations and short-term installations, but also features connections for permanent installation. For the best odor control system, include the reliability and quality of an Aquafof.

**Wine storage**

A perfect application for Aquafof. Units are very capable of running 24 hours/day, 7 days/week. Simply plug the fogger in, turn it on and adjust the fog output to satisfy any small to large-scale wine storage application. Aquafof's nozzle-free design can accept ordinary water supplies without clogging and produces high-quality fog. For dependable humidification of storage areas, choose Aquafof.

**Rotational molding**

Aquafof's powerful combination of airflow and fog rapidly cools rotational molds. Hang one or more fogging fans close to the cooling mold and see how much faster the cooling process becomes. Mobile HSRM floor units are extremely powerful and dependable thanks to their high quality construction and nozzle-free design. Because they are nozzle-free, Aquafof units can accept ordinary water supplies without the risk of clogs. The unique engineering provides reliable, powerful cool fogging to speed up the molding process, resulting in higher productivity and reduced waiting times. Not only is Aquafof priced much lower than comparable, nozzle systems, but Aquafof also continues to provide savings by reliably speeding up manufacturing.

**Tobacco conditioning**

Aquafof foggers are excellent, efficient humidifiers. Units can rapidly add humidity during the curing stage to help keep tobacco in good condition as it is prepared for handling and sending to market. Aquafof's unique design atomizes liquid as it is released through the fan blades. The result is high quality fog for humidification and forced air circulation for uniform humidity distribution. These foggers are easy to install and can accept ordinary water supplies, even from a well or pond without clogging. Good quality fog and a competitive price make Aquafof ideal for tobacco conditioning.

**The key fogging equipment used for specialty applications...**

Odor Control	Rotational Molding, Wine Storage, Tobacco Conditioning
<a href="#">XE-2000</a>	<a href="#">XE-2000</a>
<a href="#">XE-1500 for 50Hz</a>	<a href="#">XE-1500 for 50Hz</a>
<a href="#">XE-1000</a>	<a href="#">XE-1000</a>
<a href="#">XE-ORSM</a>	<a href="#">XE-HRSM</a>
	<a href="#">XE-330</a>

### Turbo XE Fogging Fans Installation Tips

**DO:** Mount the fan within the structure to be humidified, propelling the fog into a large, unobstructed airspace. Always mount inside the area to be humidified, with the exception of large, air plenums used in vegetable storage.

**DO:** Mount the fan high overhead. Allow room in front and below the fan for the unobstructed propulsion of its fog. Rule of thumb: the higher the better! But, leave at least three feet from any roofing structures.

**DO:** Mount the fan at the intake end of a ventilated structure. In structures with mild to no ventilation, propel fog the length of the structure. In large structures, use of an oscillator greatly enhances coverage and circulation.

**DON'T:** Mount the fan near the ground underneath tables or benches.

**DON'T:** Propel the fog into the wind (direction of airflow).

**DON'T:** Cramp the fan in tight quarters or skinny aisles.

**DON'T:** Mount the fan in small ducts or outside the area to be humidified. There will not be enough air to absorb the fog.

**DON'T:** Mount fogging fan outside the structure, attempting to blow fog in.

### AquaFog-HRSM Installation Tips

**DO:** Place units in large, open airspaces if possible.

**DO:** Use the pivoting fogging head feature to propel fog up high to help maintain dryness underneath commonly

**DO:** Utilize the unit's storage tank for occasional liquid chemical treatment.

**DON'T:** Use HRSM in the horizontal fogging position in applications where dry floors are absolutely necessary.

### AquaFog-CRSM Installation Tips

**DO:** Use the pivoting fogging head feature to propel fog up high to help maintain dryness underneath commonly

**DO:** Set the time clock to turn unit off within an hour of running out of chemical.

**DO:** Utilize HAF fans. The use of HAF fans is beneficial, but all exterior vents, doors, etc. must be closed.

**DO:** Operate CRSM at low GPH fogging rates. 2 GPH works best in lower greenhouses.

**DO:** Always flush the unit, thoroughly cleaning the tank and strainer cap after each use, when re-entry period is up (especially when using powdered chemicals.)

**DON'T:** Allow pre-mixed chemical to sit in the tank for any longer than necessary when unit is not in use. Some powders will settle within minutes of mixing.

### AquaFog-ORSM Installation Tips

**DO:** Operate the unit using a pre-mixed amount of chemical in the tank for short operating periods or demonstrations.

**DO:** Connect the ORSM directly to a chemical metering pump for extended or continuous operation, utilizing the unit's water hose connection for a never-ending supply of fresh water.

**DON'T:** Operate with flow control valve open all the way. This would produce near 3 GPH. Most odor-control applications fog at about 1-2 GPH, unless higher fog outputs are needed for dust control as well.

### AquaFog 400 Installation Tips

**DO:** Mount the fan high overhead. Allow room in front and below the fan for the unobstructed propulsion of fog. Rule of thumb: the higher the better! But leave at least one foot from any roofing structures.

**DO:** Mount the fan at the intake end of a ventilated structure. In structures with mild to no ventilation, equally space out the units and propel fog the length of the structure.

**DO NOT:** Mount the fan near the ground underneath tables or benches.

**DO NOT:** Propel the fog into the wind (direction of airflow).

**DO NOT:** Cramp the fan in tight quarters or skinny aisle ways.



**AQUAFOG**

## AquaFog® Turbo XE Fans™ .. the most dependable fogging unit on the market



### SPECIFICATIONS:

**Dimensions:** Diameter 20.5 inches / 52 cm  
Width 17.5 inches / 44.5 cm  
Height 22.5 inches / 57 cm

**Approximate Weight:** 46 lbs / 20.8 kg

**Propulsion Distance:** 30 - 35 feet / 10-11 m

**Noise @ 10 ft. distance:** 1 Hp units, 76-79 dB(A)  
3/4 Hp units, 73-76 dB(A)  
1/2 Hp units, 74-77 dB(A)

**Main Motor (Standard):** Baldor® Wash Down Duty™

**Thermo-plastic Material:** UV Stabilized Polyethylene

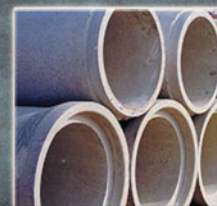
**Hardware:** 18-8 (304 Stainless Steel)

**Operation:** Continuous duty capability



### Standard Features:

- Units include choice, of 7 different flowmeter panels as per application needs
- Baldor® wash-down-duty motor engineered to withstand harsh, humid environments
- Centrifugal force atomization design that does not require high pressure pumps, air supplies or expensive filtration
- Engineered for harsh indoor/outdoor environments, units have all stainless steel hardware and heavy wall thermo-plastic construction.
- Exclusive nozzle-free design eliminates plugging problems
- XE Fan units can be mounted stationary or equipped with sweeping oscillators
- Supplied with condensation 14' drainage line, 12' power line, 20' water line
- Endures extreme environments up to and exceeding 100% relative humidity and temperature ranging from 31° to 160° F





Made in  
U.S.A.

## AquaFog® TurboXE Fan™

### - Hanging Industrial Fine-mist Fogging Fan

AquaFog's atomizing fan units can handle a variety of indoor and outdoor humidification or evaporative cooling applications. The nozzle-free fans can atomize ordinary water supplies into a very fine mist-like fog. Utilizing high-speed centrifugal force and powerful air flow, these units can propel a misty-fog stream up to 35 feet away. Units can be gravity-feed and are very resistant to acidic chemicals when used in fumigation applications. Each unit comes with 12' power line, 20' water line, and a visual flowmeter control panel. Unit measures 21" Diam. x 17" W x 23" H

**To Order:** Please specify range of flowmeter panel.

- Extreme environments exceeding 100% RH
- Continuous duty or on/off operation
- UV stabilized impact resistant housing with drain line
- Attaches to 1" normal pipe size
- 100% Stainless steel hardware
- Temp. Range; 31° to 160° F

-To order a special TurboXE Fan, add the appropriate suffix(es) after the standard part number.

For example: **XE-2000-bk-34**

Fan Size 1 HP      Black housing      4-34 GPH Flowmeter

-All TurboXE Fans are standard equipped with dark green housing and a dual voltage, white epoxy painted Wash down duty™ motor (WDD) 115/230V 1ph 60/50hz

#### Standard Equipment

#### ✓ Available Options

	Standard Part No.	Fan Size	Standard Electrical Rating	Max. Fog	1 Phase 115/230V	Black Housing (bk)	WDD 3 Phase 230/460V (3ph) add \$18.	Explosion Proof 1Ph ** 115/230V (Exp) add \$53.	Explosion Proof 3Ph ** 230/460V (3Exp) add \$76.
Domestic Voltages	<b>XE 2000-</b>	1 HP	115/230V 60Hz 1Ph	30 GPH	Std	✓	✓		✓
	<b>XE 1000-</b>	1/2 HP	115/230V 60Hz 1Ph	20 GPH	Std	✓		✓	✓
	<b>XE 500-</b>	1/4 HP*	115/230V 60Hz 1Ph	12 GPH	Std	✓			
	<b>XE 330-</b>	1/6 HP*	115/230V 60Hz 1Ph	5 GPH	Std	✓			
Foreign	<b>XE 1500-</b>	3/4 HP	120/240V 50Hz 1Ph	24 GPH	Std	✓			
	<b>XE 660-</b>	1/3 HP	120/240V 50Hz 1Ph	14 GPH	Std	✓			

\* XE-330 & XE-500 comes with a 1/2 HP motor and the appropriate fan blade assembly, designed for smaller applications requiring less fog airflow.

\*\* Baldor® Explosion-Proof motors are UL and CSA approved for the following hazardous locations:  
Class 1, Group D locations containing volatile gases such as Gasoline, Hexane, Naphtha, Benzene, Propane, Alcohol, etc.  
Class 2, Group F & G locations containing dust such as (F) Carbon Black, Coal or Coke Dust or (G) Flour, Starch, or Grain Dusts.

#### Flowmeter Panel Sizes

P.N.	Suffix	Volume Range	Application Guidelines	Possible mist fall-out
F-34	(34)	4-34 GPH Flowmeter	Requiring up to maximum fogging outputs.....	Light.....2-6%
F-24	(24)	2-24 GPH Flowmeter	Requiring high fogging output, misty/fog.....	V.Light.....1-4%
F-11	(11)	1-11 GPH Flowmeter	Requiring a dry misty/fog.....	Dry.....0-2%
F-5	(5)	20-300 cc/min Flowmeter	Requiring a foggy/vapor.....	V.Dry.....0-1%
F-3	(3)	10-110 cc/min Flowmeter	Requiring dry vapor up to 2 GPH.....	Vapor.....0%
F-1	(1)	5-50 cc/min Flowmeter	Requiring dry vapor up to 1 GPH.....	Vapor.....0%

• If a flowmeter size is not indicated, the manufacturer will select the appropriate size flowmeter per your industry.



#### Ordering Information

**MANUAL OPERATION.** For operation without a control package we recommend purchasing the Water Hose Connector Assembly (W-1) and Watertight Electrical Plug (P-1) for connection to standard utilities.

**POWER/WATER LINE REQUIREMENTS.** AquaFog Fans are equipped with a 12' power line and a 20' water line. Extensions are available for connection to distant utilities.



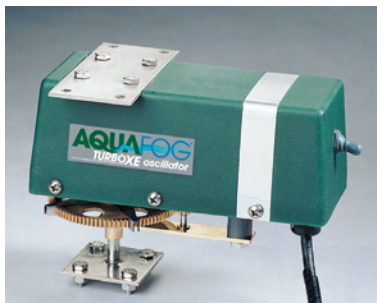
# TURBO XE FAN ACCESSORIES

## Turbo XE Oscillator

### - Increase Coverage & Circulation

Spot coverage Humidification and greenhouse propagation are a few applications which will benefit from the use of an Oscillator. The Oscillator's continuous, consistent movement allows the operator to fog at higher outputs while maintaining dryness underneath. Sweeping the fog not only alleviates droplet collisions and fallout, but also enhances circulatory movement for uniform coverage. Combining the powerful propulsion of the TurboXE Fan with the dwell-free rotation of the Oscillator provides a large coverage area up to 70 feet in diameter.

XE Oscillators are standard equipped with a dark green housing and epoxy encapsulated, impedance protected gear motor.



- Maximum Coverage
- Uniform Fog Dispersion
- Rapid Arc Setting
- Manual Override

PART NO.	SWEEP	ELECTRICAL RATING
XE-360	4° up to 360°	115Volt 60/50Hz 1Ph
XE-360-bk*	4° up to 360°	115Volt 60/50Hz 1Ph
XE-361	4° up to 360°	230Volt 60/50Hz 1Ph
XE-361-bk*	4° up to 360°	230Volt 60/50Hz 1Ph

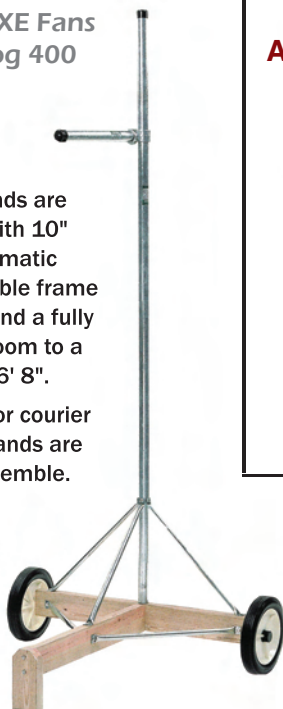
\*Optional black housing

**Adjusts in 3.75° increments • 96 settings • 360° rotation in 2 minutes**

## Economy Traveling Floor Stand

### - For Turbo XE Fans & AquaFog 400

- Floor stands are equipped with 10" semi-pneumatic wheels, a durable frame construction and a fully adjustable boom to a height of 6' 8".
- Packaged for courier deliveries, stands are quick to assemble.



Part No. XE-100



## Wall Mount & Ceiling Supports

### - Heavy Duty

*—Easily install your AquaFog next to a solid wood or masonry wall*

- The Wall Mount Support provides adjustable height along its 30" vertical length. The cross-support extends 21", accommodating 360° rotation.
- The Ceiling Mount Support features a 36" horizontal length.

(A)	Part No. XE-W	Wall Mount Support
(B)	Part No. XE-C	Ceiling Support

## Pocket Thermohygrometer

This precision hand held thermo-hygrometer is convenient enough to fit in your pocket, yet has all the features you want - plus all the accuracy, ±3% of measurement! Features an electronic capacitance sensor for fast response time and microprocessor-based design for high accuracy.

- Humidity: 0 to 100% range
- Response Time: 60 sec.
- Displays Relative Humidity & Temperature in °C & °F



Part No. CP-301

## Floor Stand



- Five height settings
- Easy assembly
- Sleek, sturdy design
- Also use with AquaFog 400

### - Easily Adjustable Floor Stand

When space is limited overhead, XE Floor Stand allows near ground-level fogging for stationary or oscillating set-ups. Stands are constructed of durable thick-wall, polyethylene plastic with a structurally reinforced post and fill-able base for maximum stability.

5 pre-set height locations allow for easy height adjustments without the need for tools. Quick, easy assembly.

Available in black.

Part No. XE-110

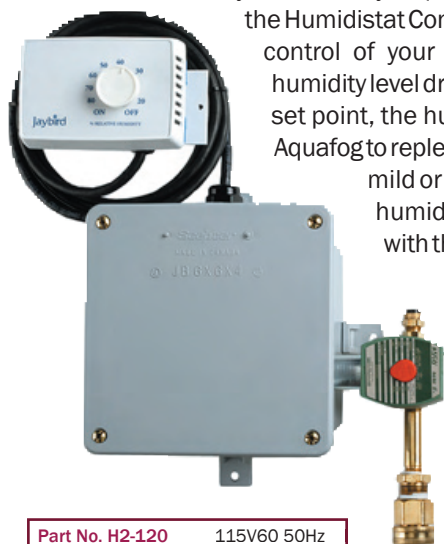
## CONTROL PACKAGES FOR XE FANS

### Humidistat Control

- Complete environmental control

If your humidity requirement is 80% or under, the Humidistat Control offers the best overall control of your environment. When the humidity level drops to about 7% below the set point, the humidistat will activate the AquaFog to replenish the loss of humidity. If mild or strong ventilation begins, humidity can still be maintained with the added benefit of evaporative cooling.

- Capable of operating up to two 1 HP units.



Part No. H2-120	115V 60 50Hz
Part No. H2-240	230V 60/50Hz

### 24-Hour Timer Control

- Excellent, controlling long cycle operations

Often the choice for applications when the desired humidity is above the 80% mark. Using extended cycle operation, the operator can achieve accurate control of the humidity level by manually adjusting the flowmeter valve of the AquaFog unit. Rain tight housing protects a nearly all plastic inner construction. Adjustable to cycles as short as 1/2 hour. Three sets of on/off trippers provided.

- Capable of operating up to two 1 HP units.



Part No. TC-120	115V 60Hz
Part No. TC-240	230V 60Hz
Part No. PT-1	Trippers / 1 pair
Part No. TC-250	230V 50Hz

### Thermostat Control

- All the control you need if your main interest is cooling

These thermostats will provide accurate measurement of the temperature, automatically controlling your AquaFog unit(s) at approximately 3°F above and below your desired set-point. Control units are assembled with high quality waterproof components.

- TH1 Control—Capable of operating single AquaFog units up to 1 HP.

- TH2 Control—Capable of operating up to two 1 HP units.



Effective Range:  
40 to 100°F

Part No. TH1-120	115V 60/50Hz
Part No. TH2-120	115V 60/50Hz
Part No. TH2-240	230V 60/50Hz

### Two-Stage Control

- Environmental control for high humidity applications and changing temperature conditions

Designed with the propagator in mind, these systems will automatically adjust the amount of fog output. When the time clock starts the operation of the AquaFog unit(s), the timer will also open the first stage water solenoid, providing low fogging output in low temperature (low ventilation) conditions.

When the temperature rises and more rapid ventilation begins, the thermostat opens the second stage water solenoid, providing a higher fogging output necessary to replenish the loss of humidity.

Features a 24-hour rain-tight time clock, adjustable cycles as short as 1/2 hour. Four sets of on/off trippers provided. Watertight solenoids, thermostat and all brass plumbing.

- Capable of operating up to two 1 HP units.



Part No. 2SC-120	115V 60Hz
Part No. 2SC-240	230V 60Hz
Part No. 2SC-250	230V 50Hz



**AQUAFOG**



Image of High capacity fogging output of an HRSM unit

## AquaFog® - Mobile Fogging Units

These highly desirable stand-alone atomizing unit are available in three different versions.

- **HRSM** - designed for general applications requiring high quality fogging outputs for either Humidification and/or Evaporative Cooling applications.
- **ORSM** - designed for the Odor Control Industry. This unit allows for an connection to a metering pump supply, for atomizing Odor Control product.
- **CRSM** - designed for fogging Pesticide, Fungicides. This unit has an internal agitation system for keeping powered or liquid chemicals well stirred for un-manned fumigation applications.



### SPECIFICATIONS:

**Dimensions:** Length 25.5 inches / 65 cm  
Width 21 inches / 53 cm  
Height 44 inches / 112 cm

**Approximate Weight:** 80 lbs / 36.3 kg  
**Approximate Shipping Weight:** 127 lbs / 57.6 kg  
**Fogging Head Pivot Angle:** 0°, 15°, 30°, 45°  
**Noise @ 10 ft. distance:** 1 Hp units, 76-79 dB(A)  
3/4 Hp units, 73-76 dB(A)  
1/2 Hp units, 74-77 dB(A)

**Tank Capacity:** 18 U.S. Gallons / 68 Liters  
**Main Motor (Standard):** Baldor® Wash Down Duty™  
**Thermo-plastic Material:** UV Stabilized Polyethylene  
**Hardware:** 18-8 (304 Stainless Steel)  
**Operation:** Continuous duty capability



### Standard Features:

- All the ..RSM units are supplied with a four (4) position adjustable fogging head
- Large tank holds up to 18 US gallons (68 liters)
- Equipped with flow control, automatic fill float-valve assembly, water hose connection and fluid level gauge.
- Engineered for harsh indoor/outdoor environments, units have all stainless steel hardware and heavy wall thermo-plastic construction.
- Wide-mouth opening for adding chemicals
- Drain plug for easy cleaning
- Sturdy molded handles and 10" semi-pneumatic wheels for rugged mobility.
- Features no-clog, nozzle-free atomization head
- Delivered fully assembled, ready for operation





**AQUAFOG**

**HUMIDIFYING**

**RECIRCULATION**

**SUMP**

**MODULE**

**H  
R  
S  
M**



Made in  
U.S.A.

## AquaFog® HRSM™ - Mobile Fine-mist Humidifier

HRSM™ is compact, sturdy and enormously powerful. Uses include; large-scale humidification, outdoor evaporative cooling, fumigation and industrial spot cooling to name a few. The pivoting fogging head allows you to direct the fine-mist fogging output right where you need it. HRSM combines the TurboXE Fan with a portable condensation recirculation tank for high mobility and ease of use. Suitable for indoor/outdoor, units are fully adjustable with fogging capabilities up to 32 gallons per hour. HRSM's propel a powerful jet stream of misty-fog mixed air-flow up to 35 feet in distance. The 18 gallon reservoir tank with large mouth opening is ideal for adding liquid chemicals for fumigation and sterilization applications. An internal float valve assembly with garden hose connection allows for continuous duty applications.

- Units ship completely assembled, ready for operation and are delivered by common carrier.

	Model Number	Motor Size	Electrical Rating		Max. Dry Fog output	CFM
Domestic Voltages	<b>XE-HRSM-2000</b>	1 HP	115V	60Hz 1Ph	32 GPH	3,260
	<b>XE-HRSM-2001</b>	1 HP	208-230V	60Hz 3Ph	32 GPH	3,260
Foreign	<b>XE-HRSM-1500</b>	3/4 HP	240V	50Hz 1Ph	28 GPH	3,180

### HRSM Humidistat Control



If your primary interest is indoor Humidification, this pre-wired control is what you will need to automate your HRSM.

- Rain-tight Nema 4X
- Range 20-80%RH
- Differential approx. 7%

Part No. H-120 HRSM Humidistat 115 Volt 60Hz

### HRSM 24-Hour Timer Control



If your primary interest is long cycle operation, this pre-wired control is what you may need to automate your HRSM.

- Rain-tight Nema 3
- Adjustable to cycles as short as 1/2 hour
- 3 sets of on/off trip

Part No. TC-180 HRSM 24h-Timer 115 Volt 60Hz

### HRSM Thermostat Control



If your primary interest is indoor evaporative cooling, this pre-wired control is what you may need to automate your HRSM.

- Water-tight Nema 4X
- Control range 40-110° F
- Differential 3° F

Part No. TH-180 Thermostat 110-250 Volt 60/50Hz

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**AQUAFOG**

**CHEMICAL**

**RECIRCULATION**

**SUMP**

**MODULE**



## AquaFog® CRSM™

- Mobile Chemical Fumigation

CRSM's are specially designed for chemical tions (ULV). Units have an internal agitation system mixtures thoroughly stirred during the fogging operation.

This powerful agitation allows the use of heavy wettable powers as well as liquid additives to be incorporated into the system. CRSM's are enormously powerful with a pivoting fogging head allowing you to propel the vapor way-up high for superior coverage and circulation. Units produce billions of tiny fog particles for treating greenhouses or similar enclosed areas from 3,000 to 30,000 sq. ft. from a single location. Compact, sturdy and easy to maneuver from location to location, systems are designed for unmanned operation and are supplied with an automatic timer control.

AquaFog® CRSM™ mystifies the competition; but don't let CRSM's affordable price tag fool you, these units are top quality and built like a tank. Our advanced, innovative technology gives AquaFog® it's decisive edge over the big names. Well back this up with a rock solid 30 day money-back guarantee if your not completely satisfied in any way.

Loaded with features - no-clog, nozzle-free 4 position pivoting atomizing head, flow control valve, automatic priming system, fluid level gauge, timer control package, and simplified dilution and spraying charts. Construction is UV stabilized, with watertight electrical enclosures & connections and all stainless steel hardware. CRSMs arrive fully assembled and ready for operation. Delivered by common carrier.

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CRSM comes with a timer control package

	Model Number	Motor Size	Electrical Rating	Fog output	CFM
Domestic Voltage	<b>XE-CRSM-1000</b>	1/2 HP	115V 60Hz 1Ph	Up to 5 GPH	2,730
Foreign	<b>XE-CRSM-1500</b>	3/4 HP	240V 50Hz 1Ph	Up to 5 GPH	3,180



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**AQUAFOG**

**ODOR CONTROL**

**RECIRCULATION**

**SUMP**

**MODULE**

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## AquaFog® ORSM™

**- Industrial, Municipal Odor Control  
and related applications**

Ultra-fine atomization and powerful circulation for complete dispersion of liquid chemicals. Mobile ORSM™ floor units feature a pivoting fogging head, allowing to easily direct the product right where you need it. Units have enormous capability to atomize liquid additives into a vapor mix with very powerful air-flow. Odor

neutralizing chemicals or other liquid additives that need to be fumigated for large indoor/outdoor applications is the job for ORSM™. The compact design features an 18 gallon tank; ideal for demonstrations and short-term jobs. ORSM also features connections ports for permanent installations. For continuous duty operation, ORSM can be directly connected to a metering pump, that would supply a precise amount of concentrated chemical to the unit. This concentrate would enter the main plumbing supply line at the back of the ORSM and would get mixed together with a never ending supply of fresh water controlled by a flow control valve. The chemical mixture is then directed to the powerful fogging head for atomization and dispersion.

Equipped with an oil filled pump, an inlet for a metering pump, a automatic priming system an output control valve calibrated at 5 GPH. A float control valve and garden hose connection. Units ship by common carrier, fully assembled and arrive ready for operation.

	Model Number	Motor Size	Electrical Rating	Fog output	CFM
Domestic Voltage	<b>XE-ORSM-1000</b>	1/2 HP	115V 60Hz 1Ph	5 GPH	2,730
Foreign	<b>XE-ORSM-1500</b>	3/4 HP	240V 50Hz 1Ph	5 GPH	3,180



# AQUAFOG

Depend on AquaFog® 400™ for the ultimate in quiet, reliable performance in several applications



## SPECIFICATIONS:

Fogging Capability: 0-2 GPH / 0-7 Liters per hour  
CFM: 840 @ 60Hz / 710 @ 50HZ  
Energy Consumption: .97 AMP @ 115 Volt / .36 AMP @ 230 Volt  
Noise @ 10 ft. distance: 62 db(A) @ 60Hz / 61 db(A) @ 50Hz  
Weight: 8.5 lbs / 3.8 kg  
Dimensions: Width 15" / 38 cm; Depth 12.5" / 32 cm;  
Height 20.5" / 52 cm  
Voltages: - 115 Volt 60Hz 1ph  
- 200-225 Volt 50Hz 1ph  
- 225-250 Volt 50Hz 1ph

## Standard Features:

- Compact, lightweight, good-looking design made of thermo-plastic that's highly corrosion-resistant
- Hangs high overhead, out of the way, for added convenience
- Features no-clog, nozzle-free atomization head
- Adjustable fogging capabilities up to 2 US GPH, producing particles that average 35 microns in size
- Features small, built-in sump area that reuses all of its internal condensation.. no more hassles with a drainage line
- Equipped with flow control, automatic fill float assembly and water hose connection
- Can be shipped by UPS
- Delivered fully assembled, quick to install



AQUAFOG  
**400**  
Hit and mist every time.



Made in  
U.S.A.

## Aquafof® 400™

### - Compact & Quiet Centrifugal Fogger

Aquafof® 400™ brings advanced fine-mist fogging to the small/mid size applications. Perfectly suited in a wide range of uses from growing orchids to spot cooling horses, from cooling patios to growing speciality mushrooms. If you need an abundance of misty-fog combined with mild air propulsion Aquafof 400 is the ticket. Compact, lightweight and easy to install these stand-alone units connect right to ordinary utilities and do not require a high pressure pump or air supply line. Units fill automatically and have continuous duty capability.



- Impressive 2 gallon per hour fogging capability
- One ton of evaporative cooling per hour
- Humidification applications up to 80%
- Connects to ordinary garden hose
- Lightweight, arrives ready to install

### Aquafof 400 Accessories:



#### Jaybird Humidistat

This pre-wired humidistat in an ideal means of control for the Aquafof 400 in applications requiring 80% or less relative humidity. It incorporates a fast-acting man-made sensing element with easy access control dial.

**Part No. XE-36\*** 110-250 Voltage range 50/60Hz

\*This item is available in bulk pricing, contact Manufacturer for details



#### Thermostat Control

If your primary interest is indoor evaporative cooling, this pre-wired control is what you may need to automate your Aquafof 400.

- Watertight Nema 4X enclosure
- 2° F +/- temperature differential

**Part No. THA-120** 110-250 Voltage range 50/60Hz



#### Mini 360° Oscillator

Great for evaporative cooling applications, this oscillator will provide a dwell-free sweeping movement for the Aquafof 400. Includes a plug adaptor

- (6) Settings from 60 to 360°
- Separate 12' power supply Cord

**Part No. XE-mini-360** 115V 50/60Hz.

**Part No. XE-mini-361** 230V 50/60Hz.



#### Cycle Timer Control

If you want to maintain high humidity environments above 80% then this pre-wired control is what you may need to automate your Aquafof 400.

- Watertight Nema 4X enclosure
- 4 different cycle ranges 5 to 60

**Part No. CTA-120** 110-250 Voltage range 50/60Hz



***Fogger / Misting Fan Price List***

Part No.	Product Description	Price * (vary by ordering quantity)					
		Qty: 1	Qty: 2~3	Qty: 4~6	Qty: 7~11	Qty: 12~19	Qty: 20+
XE-2000	AquaFog Turbo XE Fan 1HP 115V/230V 60Hz 1ph Max. Fog 30GPH	\$ 731.31	\$ 724.54	\$ 717.77	\$ 711.00	\$ 704.23	\$ 697.45
XE-1000	AquaFog Turbo XE Fan 1/2 HP 115V/230V 60Hz 1ph Max. Fog 20GPH	\$ 693.27	\$ 686.85	\$ 680.44	\$ 674.02	\$ 667.60	\$ 661.18
XE-500	AquaFog Turbo XE Fan 1/4 HP 115V/230V 60Hz 1ph Max. Fog 12GPH	\$ 659.28	\$ 652.94	\$ 646.60	\$ 640.26	\$ 633.92	\$ 627.58
XE-330	AquaFog Turbo XE Fan 1/6 HP 115V/230V 60Hz 1ph Max. Fog 5GPH	\$ 661.18	\$ 654.76	\$ 648.34	\$ 641.92	\$ 635.50	\$ 629.08
XE-1500	AquaFog Turbo XE Fan 3/4 HP 120V/240V 50Hz 1ph Max. Fog 24GPH	\$ 731.31	\$ 724.54	\$ 717.77	\$ 711.00	\$ 704.23	\$ 697.45
XE-660	AquaFog Turbo XE Fan 1/3 HP 120V/240V 50Hz 1ph Max. Fog 14GPH	\$ 693.27	\$ 686.85	\$ 680.44	\$ 674.02	\$ 667.60	\$ 661.18
XE-HRSM-2000	AquaFog Humidifying Recirculation Sump Module 1HP 115V 60Hz 1ph 32GPH	\$ 1,370.41	\$ 1,351.34	\$ 1,332.28	\$ 1,313.21	\$ 1,294.14	\$ 1,275.08
XE-HRSM-2001	AquaFog Humidifying Recirculation Sump Module 1HP 208-230V 60Hz 3ph 32GPH	\$ 1,474.39	\$ 1,453.88	\$ 1,433.37	\$ 1,412.85	\$ 1,392.34	\$ 1,371.83
XE-HRSM-1500	AquaFog Humidifying Recirculation Sump Module 3/4HP 240V 50Hz 1ph 28GPH	\$ 1,407.73	\$ 1,388.15	\$ 1,368.57	\$ 1,348.98	\$ 1,329.39	\$ 1,309.81
XE-ORSM-1000	AquaFog Odor Control Recirculation Sump Module 1/2HP 115V 60Hz 1ph 5GPH	\$ 1,445.25	\$ 1,429.90	\$ 1,414.55	\$ 1,399.20	\$ 1,383.86	\$ 1,368.51
XE-ORSM-1500	AquaFog Odor Control Recirculation Sump Module 3/4HP 240V 50Hz 1ph 5GPH	\$ 1,464.46	\$ 1,448.92	\$ 1,433.36	\$ 1,417.81	\$ 1,402.26	\$ 1,386.71
XE-CRSM-1000	AquaFog Chemical Recirculation Sump Module 1/2HP 115V 60Hz 1ph 5GPH	\$ 2,128.14	\$ 2,105.54	\$ 2,082.94	\$ 2,060.34	\$ 2,037.74	\$ 2,015.14
XE-CRSM-1500	AquaFog Chemical Recirculation Sump Module 3/4HP 240V 50Hz 1ph 5GPH	\$ 2,218.96	\$ 2,195.39	\$ 2,171.83	\$ 2,148.27	\$ 2,124.70	\$ 2,101.14
XE-400	AquaFog XE 400 115V 60Hz	\$ 321.75	\$ 318.79	\$ 315.84	\$ 312.89	\$ 309.94	\$ 306.99
XE-400-H	AquaFog XE 400 115V 60Hz with XE-36 Humidistat	\$ 374.64	\$ 369.44	\$ 364.23	\$ 359.03	\$ 353.83	\$ 348.62
XE-400-50L	AquaFog XE 400 208V 50Hz	\$ 324.85	\$ 321.66	\$ 318.48	\$ 315.30	\$ 312.11	\$ 308.93
XE-400-50L-H	AquaFog XE 400 208V 50Hz with XE-36 Humidistat	\$ 384.16	\$ 380.36	\$ 376.56	\$ 372.75	\$ 368.95	\$ 365.15
XE-400-50H	AquaFog XE 400 240V 50Hz	\$ 324.85	\$ 321.66	\$ 318.48	\$ 315.30	\$ 312.11	\$ 308.93
XE-400-50H-H	AquaFog XE 400 240V 50Hz with XE-36 Humidistat	\$ 384.16	\$ 380.36	\$ 376.56	\$ 372.75	\$ 368.95	\$ 365.15

**\* Free UPS / FedEx ground shipping for Turbo XE and XE-400 Series and free truck shipping for HRSM/ORSM/CRSM Series within US 48 states.**

**\* Prices are subject to change without notice. Check our website at [www.NeutronUSA.com](http://www.NeutronUSA.com) for most updated information.**

***Accessories / Controller Price List***

Part No.	Product Description	Price * (vary by ordering quantity)				
		Qty: 1~2	Qty: 3~7	Qty: 8~14	Qty: 15~24	Qty: 25+
XE-360	4 to 360 degree Oscillator 115V 60/50Hz 1ph	\$ 228.61	\$ 226.53	\$ 224.46	\$ 222.38	\$ 220.30
XE-361	4 to 360 degree Oscillator 230V 60/50Hz 1ph	\$ 228.61	\$ 226.53	\$ 224.46	\$ 222.38	\$ 220.30
XE-110	Molded Floor Stand	\$ 262.80	\$ 260.41	\$ 258.02	\$ 255.63	\$ 253.24
XE-100	Traveling Floor Stand	\$ 160.30	\$ 158.85	\$ 157.39	\$ 155.93	\$ 154.47
XE-W	Wall Mount Support	\$ 62.73	\$ 62.16	\$ 61.59	\$ 61.02	\$ 60.45
XE-C	Ceiling Cross-Bar Support	\$ 48.45	\$ 48.01	\$ 47.57	\$ 47.13	\$ 46.69
H2-120	Humidistat Control 115V 60/50Hz for up to two 1HP units	\$ 262.13	\$ 259.75	\$ 257.36	\$ 254.98	\$ 252.60
H2-240	Humidistat Control 230V 60/50Hz for up to two 1HP units	\$ 272.93	\$ 270.45	\$ 267.97	\$ 265.49	\$ 263.01
TC-120	24-Hour Timer Control 115V 60Hz for up to two 1HP units	\$ 186.12	\$ 184.41	\$ 182.70	\$ 181.00	\$ 179.29
TC-240	24-Hour Timer Control 230V 60Hz for up to two 1HP units	\$ 196.29	\$ 194.49	\$ 192.69	\$ 190.88	\$ 189.08
TC-250	24-Hour Timer Control 230V 50Hz for up to two 1HP units	\$ 231.10	\$ 229.00	\$ 226.90	\$ 224.80	\$ 222.70
TH1-120	Thermostat Control 115V 60/50Hz for single unit up to 1HP	\$ 196.29	\$ 194.49	\$ 192.69	\$ 190.88	\$ 189.08
TH2-120	Thermostat Control 115V 60/50Hz for up to two 1HP units	\$ 217.05	\$ 215.08	\$ 213.11	\$ 211.13	\$ 209.16
TH2-240	Thermostat Control 230V 60/50Hz for up to two 1HP units	\$ 228.94	\$ 226.86	\$ 224.78	\$ 222.70	\$ 220.62
2SC-120	Two-Stage Control for Humidity and Temperature Conditions 115V 60Hz for up to two 1HP units	\$ 395.81	\$ 392.21	\$ 388.62	\$ 385.02	\$ 381.42
2SC-240	Two-Stage Control for Humidity and Temperature Conditions 230V 60Hz for up to two 1HP units	\$ 406.41	\$ 402.71	\$ 399.02	\$ 395.32	\$ 391.63
2SC-250	Two-Stage Control for Humidity and Temperature Conditions 230V 50Hz for up to two 1HP units	\$ 430.48	\$ 426.57	\$ 422.66	\$ 418.74	\$ 414.83
H-120	AquaFog HRSM Humidistat Control 115V 60Hz	\$ 165.92	\$ 164.40	\$ 162.90	\$ 161.39	\$ 159.88
H-150	AquaFog HRSM Humidistat Control 220-240V 50Hz	\$ 175.74	\$ 174.14	\$ 172.54	\$ 170.94	\$ 169.35
TC-180	AquaFog HRSM 24-Hour Timer Control 115V 60Hz	\$ 96.21	\$ 95.34	\$ 94.47	\$ 93.59	\$ 92.72
TC-150	AquaFog HRSM 24-Hour Timer Control 220-240V 50Hz	\$ 134.50	\$ 133.27	\$ 132.05	\$ 130.83	\$ 129.61
TH-180	AquaFog HRSM Thermostat Control 110-250V 50/60Hz	\$ 96.21	\$ 95.34	\$ 94.47	\$ 93.59	\$ 92.72
XE-MINI-360	60 to 360 degree Mini Oscillator for AquaFog 400 Fan 115V 50/60Hz	\$ 151.36	\$ 149.98	\$ 148.61	\$ 147.23	\$ 145.86
XE-MINI-361	60 to 360 degree Mini Oscillator for AquaFog 400 Fan 230V 50/60Hz	\$ 151.36	\$ 149.98	\$ 148.61	\$ 147.23	\$ 145.86
THA-120	Thermostat Control for Aquafog 400 110-250 Volt 50/60Hz	\$ 83.81	\$ 83.05	\$ 82.29	\$ 81.52	\$ 80.76
CTA-120	Cycle Timer Control for Aquafog 400 110-250 Volt 50/60Hz	\$ 106.03	\$ 105.07	\$ 104.10	\$ 103.14	\$ 102.17
XE-36	Humidistat Control for AquaFog 400 Fan	\$ 74.95	\$ 74.27	\$ 73.59	\$ 72.91	\$ 72.23

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