

outdoor mist product guide

guía de productos de nebulización para exteriores

**Quality outdoor
cooling products**

**Productos de
enfriamiento para
exteriores de calidad**



reduces 20° F
temperatures up to (11°C)
disminuye la temperatura hasta 20°F (11°C)



mist cooling

use your imagination

The Concept

Orbit®|Arizona Mist® misting systems incorporate a spray nozzle designed to produce water droplets as small as 5 microns (smaller than the diameter of a human hair). These ultra-fine water droplets flash evaporate as they hit the surrounding air—reducing surrounding temperatures up to 20 degrees Fahrenheit. This scientific principle, known as evaporative cooling, is the basis for the development of Orbit®|Arizona Mist® outdoor cooling products.

Misting Applications

When water droplets are reduced to such an extremely small size (5 microns), their properties have some unique characteristics. If the water vapor is contained within an enclosed environment, such as a greenhouse, the relative humidity can be increased to 100% (this has tremendous implications for plant propagation and the entire horticulture industry). Mist systems can be attached to awnings, table umbrellas, dog houses, gazebos, patios, decks, horse stables, tree houses, playground equipment and more! Portable mist products allow you to take the mist with you—use them while sunbathing, barbecuing, doing yard work and outdoor projects, or just relaxing on a hot day. The potential uses for mist are limited only by the imagination of the user.

About Orbit®|Arizona Mist®, Inc.

The misting industry has seen tremendous change over the last decade and Orbit®|Arizona Mist® is the driving force behind many of these developments. The introduction of the brass and stainless steel mist nozzle, the solid brass Slip Lok fitting, the automatic drain valve, the biodegradable, nontoxic nozzle cleaner, the extremely versatile Cobra Mistand® and an entire line of 1000 PSI High Pressure Mist Products are but a few of the innovations created by Orbit®|Arizona Mist®, Inc. We are always creating new, innovative, high quality products. To see additional items

available, visit our website at www.orbitonline.com.

Here are just a few applications:

Patios, Barbecues, Sunbathing, Pets and other Animals, Yard Work, Plants and more!



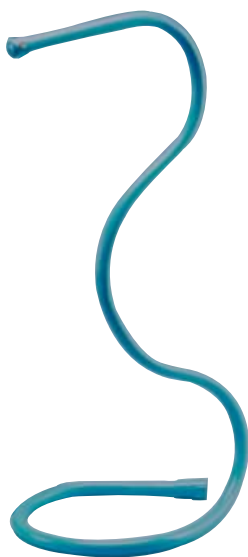
Cobra Mistand®

Great for sunbathing, working in the yard, keeping pets cool, watering exotic plants or barbecues.

Freestanding mister attaches to any standard garden hose.

Fast and easy installation - begin cooling in seconds.

Includes a four year warranty



Model 10057W

Viper® Mistand Personal Cooling System

1/2 in. flexible mistand with memory.

Ready to use in 3 minutes or less.

Includes a 4 year warranty.



Sidewinder® Mistand Personal Cooling System

Flexible tubing with memory.

Wraps around trees, poles, chairs and umbrellas for versatile mist cooling.

Attaches to a standard garden hose.

30 in. long with one brass and stainless steel nozzle.



PackPartner® Personal Misting Bottle

Carry cooler temperatures with you wherever you go with the Pack Partner® Personal Misting Bottle. It easily fits in most hydration packs, back packs or large pockets. The Pack Partner® pumps water through a tiny opening in the mist nozzle to create an ultra fine mist that evaporates and cools the surrounding air - making outdoor activities more enjoyable.



Handle locks into place when not in use.

Easy to pack and easy to use.

Model 20156

TherMist® Personal Misting Bottle

Carry cooler temperatures with you wherever you go with the TherMist® Personal Misting Bottle. The TherMist® pumps water through a tiny opening in the mist nozzle to create an ultra fine mist that evaporates and cools the surrounding air, while easily fitting in most drink holders or being carried on your belt or with the shoulder strap.

Fits most drink holders for convenient use.

Pump handle locks into place when not in use.



For carrying ease, the TherMist® can be attached with either the attached belt clip or shoulder strap.

Model 20256

Determine Your Misting Needs

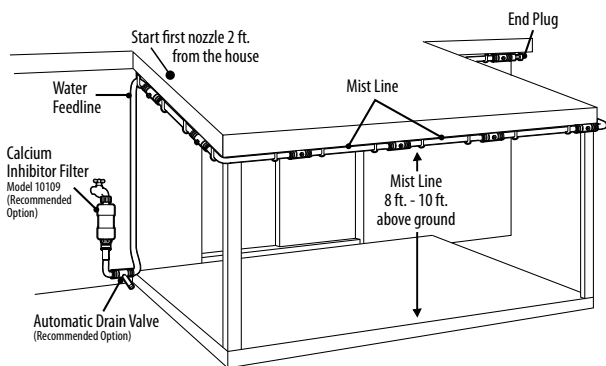
Decide which mist system best suits your needs by figuring out how much mist coverage you require.

1. How much mist line is needed? Measure all open sides of your patio or area you wish to cool.

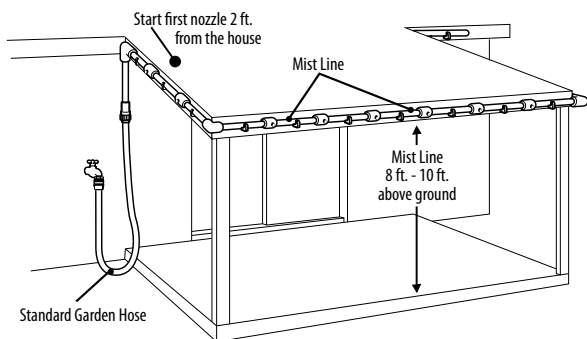
2. How many mist nozzles are needed? Recommended spacing between mist nozzles is every 2 ft. Divide the total measurement of mist line in half (e.g., 20 ft. of mist coverage = 10 nozzles).

3. How much feed line is needed? Measure the distance from the spigot or garden hose to the first nozzle of mist line. (The first nozzle should be 2 ft. from the house or patio cover).

Layout for flexible tubing kits up to 160 PSI (over 160 psi Mist Line height increases to 10 ft. to 14 ft.)



Layout for PVC kit



1/4 in. Portable Outdoor Mist Cooling System

Portable systems can be installed virtually anywhere a hose connection is available: patios, umbrellas, dog houses, gazebos, playgrounds, etc.

10 ft. of mist cooling.

Preassembled for fast and easy installation.

Begin cooling in less than 30 minutes.

Connects to a standard hose faucet or garden hose.

Includes a four year warranty.



Models 20066 & 30510

3/8 in. Basic Outdoor Mist Cooling System

Orbit®|Arizona Mist® Basic Outdoor Mist Cooling System includes everything you need to get a home mist system started. This kit includes a filter, auto drain valve and clamps to hang the tubing.

This kit provides for 10 ft. of mist coverage. The system can be expanded up to 50 ft. with the Orbit®|Arizona Mist® Basic Expansion Kit (Model 30068/30315). Each expansion kit provides for an additional 10 ft. of misting coverage.

Connects to a standard outdoor faucet.

Preassembled and ready to install - begin cooling in less than 30 minutes.

Includes a four year warranty.



Models 30060 & 30310



Models 30068 & 30315

1/2 in. Performance Plus Outdoor Mist Cooling System

Orbit®|Arizona Mist® 1/2 in. Performance Outdoor Mist Cooling System is a step above the 3/8 in. Basic Outdoor Mist Cooling System. It includes everything the 3/8 in. Basic kit provides, with the added durability of brass fittings with 1/2 in. flexible tubing. This kit provides 20 ft. of mist coverage.

Preassembled and ready to install - begin cooling in less than 30 minutes.

Includes a four year warranty.



Model 31020

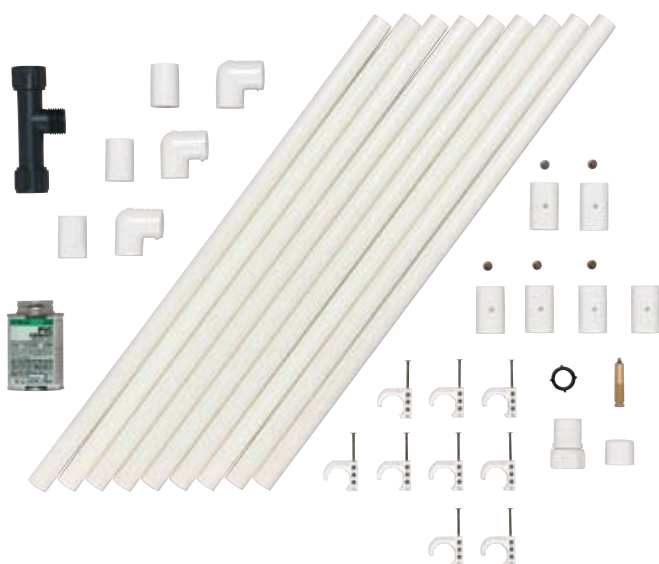
1/2 in. Performance PVC Outdoor Mist Cooling System

Orbit®|Arizona Mist® 1/2 in. Performance PVC Outdoor Mist Cooling System provides 10 ft. of mist coverage. It is expandable up to 250 ft., with sufficient water pressure, using standard PVC pipe, fittings and our split section couplings with brass and stainless steel mist nozzles (Models 10112 and 10112W).

Quickly connects to any standard garden hose.

Assembles in less than one hour.

Includes a four year warranty.



Models 16055 & 30430

3/8 in. Professional Outdoor Mist Cooling System

The Orbit®|Arizona Mist® 3/8 in. Professional Outdoor Mist Cooling System utilizes patented brass slip-lok fittings that can be rotated 360 degrees, making this our easiest kit to adjust.

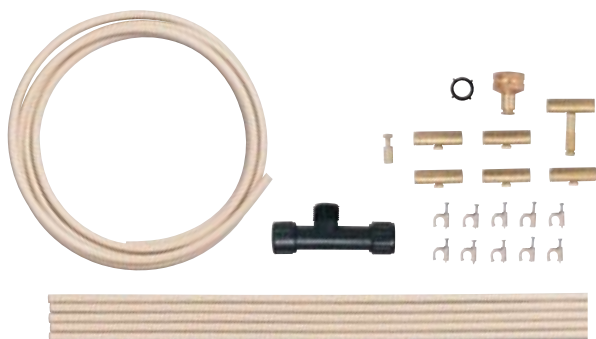
The kit provides for 10 ft. of mist coverage. It is expandable up to 125 ft. simply by purchasing additional Orbit®|Arizona Mist® 3/8 in. tubing (Models 92225 and 92228) and Slip-Lok couplings with mist nozzles (Model 10121W).

This system can be upgraded to a commercial grade outdoor mist cooling system with the addition of the Orbit®|Arizona Mist® 110 v Booster Pump (Model 92100).

Fast and easy installation - begin cooling in less than 45 minutes.

Connects to any standard outdoor faucet or garden hose.

Includes a four year warranty.



Models 10060 & 30340

Universal Maintenance Kit

Prolong the life of any mist system.

Protects systems against sediment build up and premature nozzle clogging.

Compatible with all mist products.

Kit contents include: Nozzle cleaner, nozzle brush, calcium inhibitor filter and 3/8 in. automatic drain valve.



Model 10218

160 psi Booster Pump

The Orbit®|Arizona Mist® 110v Booster Pump easily upgrades the Orbit®|Arizona Mist® 3/8 in. Professional Outdoor Mist Cooling System (Model 10060) to a commercial grade system, by increasing the standard line pressure 3 times, thus creating a finer mist and better cooling.

Ideal for patios, pet areas, small greenhouses, RV awnings, boat decks and more. Energy efficient and economical - uses less power than a 40 watt light bulb.

Installs in less than 15 minutes.

Includes a four year warranty.



Model 92100

12 ft. high pressure stainless steel mist kit

The Orbit®|Arizona Mist® High Pressure Stainless Steel Mist System reduces outdoor temperatures up to 20 degrees Fahrenheit. The stainless steel fittings are designed to withstand high pressures up to 1000 psi and won't rust or tarnish onto surrounding pipe or the side of your home. Designed to be used with Orbit®|Arizona Mist® High Pressure Mist Pump - Model # 92075.

1 year warranty included.



Model 30002

2 ft. high pressure stainless steel extension mist kit

The Orbit®|Arizona Mist® 2 feet High Pressure Stainless Steel Extension Mist Kit allows the Orbit®|Arizona Mist® High Pressure Stainless Steel Mist Kit (Model # 30002) to be expanded , 2 feet at a time. Included in this kit are a high pressure straight stainless steel nozzle connector, a high pressure mist nozzle and 2 feet of Stainless Steel tubing. This allows for the addition of 2 feet of Stainless Steel tubing and one mist nozzle.



Model 92210

3/8 in. flexible high pressure outdoor cooling mist kit

The Orbit®|Arizona Mist® High Pressure Flexible Mist System reduces outdoor temperatures up to 20 degrees Fahrenheit. The flexible tubing is designed to withstand pressures up to 1000 psi and won't discolor the side of your home or fade from the sun. Preassembled and ready to install makes cooling easy and quick.

The system will only operates at high pressures up to 1000 psi, like Orbit®|Arizona Mist® High Pressure Mist Pump Model # 92075. 4 year warranty.



Model 31012

3/8 in. flexible high pressure outdoor cooling mist kit

The Orbit®|Arizona Mist® High Pressure Flexible Mist Extension System provides an additional 12 feet of mist system quickly and easily, while reducing outdoor temperatures up to 20 degrees Fahrenheit. The flexible tubing is designed to withstand high pressures up to 1000 psi and installation is a breeze. Using a wrench, remove and save the end fitting of your existing Orbit®|Arizona Mist® Flexible High Pressure Flexible Mist System (model # 31012) and screw in the Orbit®|Arizona Mist® High Pressure Flexible Mist Extension kit. Then attach the end fitting to the end of the extension kit and you are ready to begin cooling. 4 year warranty included.



Model 31022

high pressure feed line

The Orbit®|Arizona Mist® High Pressure Feed Line is essential to connecting your high pressure pump to your high pressure mist system. With the quick connect attachments on each end, it is a snap to install. The line is 15 feet long and rated to over 1000 psi. If additional length is needed, multiple Feed Lines can be hooked together by the quick connect attachments.

4 year warranty included.



Model 92079

high pressure mist nozzles

Orbit®|Arizona Mist® High Pressure Mist nozzles include a built in anti drip valve and a 25 micron filter in each nozzle. This provides extra protection from clogging. The nozzles are 10/24 threaded to fit in all Orbit®|Arizona Mist® High Pressure Outdoor Mist Cooling Systems. The .008 orifice size creates a super fine mist and increased cooling.

Includes a 4 year warranty.



Model 91125

high pressure mist pump

The Orbit®|Arizona Mist® High Pressure Mist Pump is a cost effective way to bring a commercial system home to you backyard patio - similar to the ones experienced at amusement parks and restaurants. Coupled with a high pressure outdoor cooling mist system, the pump will increase regular line pressure to 1000 psi. This increases the overall system's effectiveness to cool outdoor areas making it possible to enjoy hot summer months in cool comfort. The pump is UL listed and operates off a standard outdoor electrical outlet. There are no special tools needed to install the pump and it only takes minutes to install.

Increase cooling capacity - by creating a finer mist - capacity up to 13 nozzles with .2mm orifice size - or 26 feet.

The pump features include a built in timer feature to increase energy efficiency, dual timer assembly with settings for minutes and seconds to set the exact misting and stop times desired, Automatic Pressure Release - when the spray stops the pressure is automatically released from the hose to prevent leaking nozzles, Pressure Switch - the pump will automatically stop when the water supply is interrupted, protecting the pump from damage, an inlet filter - 0.1mm mesh filter prevents debris from entering the pump and made of stainless steel for ease of cleaning, and the motor is a low-noise motor rated at only 75 decibels. Low power consumption, but strong enough to create a natural fog effect.

One year warranty included.



Misting Accessories

Accesorios para nebulización

All Kits–Nozzles/Nozzle Accessories

Todos los kits: boquillas/accesorios para boquillas



10106H–Brass and Stainless Misting Nozzle
Boquilla de nebulización de latón y acero inoxidable



10107H–Brass Nozzle Plug
Conexión de boquilla de latón



10056H–4 in. Flexible Nozzle Extension
Extensión flexible de boquilla de 10,16 cm

Professional/Basic/Basic Expansion–Fittings and Accessories

Conectores y accesorios para kits profesional/básico/de expansión básico



10121W–Brass Slip-Lok Coupling with Mist Nozzle
Acoplador tipo slip-lok (deslice y trabe) de latón con boquilla de nebulización



10127W–Brass Slip-Lok Coupling
Acoplador tipo slip-lok (deslice y trabe) de latón



92320W–Brass Slip-Lok Hose Connection
Conexión para manguera tipo slip-lok (deslice y trabe) de latón



92110W–Brass Slip-Lok Elbow
Codo tipo slip-lok (deslice y trabe) de latón



92420W–Brass Slip-Lok End Plug
Tapón terminal de latón slip-lok (deslice y trabe)



92120W–Brass Slip-Lok Tee
Conector en te tipo slip-lok (deslice y trabe) de latón



10114H–Wood Hanging Clamps
Abrazaderas colgantes de madera



10115H–Brass Automatic Drain Valve; 3/8 in.
Válvula de drenaje automática de latón de 0,95 cm



20001H–Stucco Installation Kit
Kit de instalación de estuco



92225–Flexible Tubing; 3/8 in. x 2 ft.
Manguera de 3/8" x 61 cm



92228–Flexible tubing; 3/8 in. x 20 ft.
Manguera de 3/8" x 6,10 m

Performance 1/2 in. Accessories

Accesorios de alto rendimiento de 1,27 cm



10110W–Brass Automatic Drain Valve; 1/2 in.
Válvula de drenaje automática de latón de 1,27 cm



10111H–Wood Hanging Clamps–1/2 in. PVC Tubing
Abrazaderas colgantes de madera para tuberías de PVC de 1,27 cm



10112–Split Section Couplings with Metal Mist Nozzle
10112W Acopladores para secciones de enlace con boquilla de nebulización de metal



10118H–PVC Hose Adapter
Adaptador de manguera de PVC

Misting Accessories

Accesorios para nebulización

High Pressure

Alta presión



92101– High Pressure End Fitting
Conector de extremo para alta presión



92103– High Pressure Elbow Fitting
Codo para alta presión



92105– High Pressure T Fitting
Conector en T para alta presión



92109– High Pressure Straight Fitting
Conector recto para alta presión



30144– 4 Nozzle Mist Ring
4 anillos de nebulización para boquilla



30146– 6 Nozzle Mist Ring
6 anillos de nebulización para boquilla

Maintenance

Mantenimiento



10103– Misting Nozzle Cleaner
Limpiador de boquillas de nebulización



10218– Mist Maintenance Kit
Kit de mantenimiento de nebulización



10109– Mist Calcium Inhibitor Filter
10109W Filtro inhibidor de calcio para nebulización



10130W–Evaporative Cooler Filter
Filtro para evaporación de aire



ArizonaMist®

Kits at-a-Glance

Resumen de los kits

kit	feet of mist coverage	expandable	tubing	fittings	pump compatibility
1/4 in. Portable Kit 20066	10 ft.	No	1/4 in. Poly w/UV Protection	1/4 in. Plastic	No
3/8 in. Basic Kit 30060	10 ft.	50 ft.	3/8 in. Poly w/UV Protection	3/8 in. Plastic	No
3/8 in. Basic Extension Kit 30068	10 ft.	50 ft.	3/8 in. Poly w/UV Protection	3/8 in. Plastic	No
1/2 in. Performance PVC Kit 16055	10 ft.	250 ft.	1/2 in. PVC	1/2 in. PVC	No
3/8 in. Professional Kit 10060	10 ft.	125 ft.	3/8 in. Poly w/UV Protection	3/8 in. Brass Slip-Lok	Yes, 160 PSI pump model # 92100
3/8 in. High Pressure Stainless Steel Kit 30002	12 ft.	30 ft.	3/8 in. Stainless Steel	Stainless Steel	Yes, 1000 PSI pump model # 92075
3/8 in. High Pressure Flexible Kit 31012	12 ft.	30 ft.	3/8 in. High Pressure Nylon with UV Protectant	Stainless Steel	Yes, 1000 PSI pump model # 92075
3/8 in. High Pressure Flexible Extension Kit 31022	12 ft.	30 ft.	3/8 in. High Pressure Nylon with UV Protectant	Stainless Steel	Yes, 1000 PSI pump model # 92075

**Once assembled, the PVC kit should be allowed 24 hours for the glue to fully cure.

kit	metros de cobertura de nebulización	expandible	tuberías	conectores	compatibilidad con bomba
Kit portátil de 0,64 cm 20066	3,05 m	No	Poliétileno con protección UV de 0,63 cm	Plástico de 0,63 cm	No
Kit básico de 0,95 cm 30060	3,05 m	15,24 m	Poliétileno con protección UV de 0,95 cm	Plástico de 0,95 cm	No
Kit de extensión básico de 0,95 cm 30068	3,05 m	15,24 m	Poliétileno con protección UV de 0,95 cm	Plástico de 0,95 cm	No
Kit profesional de 0,95 cm 16055	3,05 m	76,20 m	PVC de 1,27 cm	PVC de 1,27 cm	No
Kit profesional de 0,95 cm 10060	3,05 m	38,10 m	Poliétileno con protección UV de 0,95 cm	Tipo slip-loc (deslice y trabe) de latón de 0,95 cm	Sí, bomba de 160 PSI modelo 92100
Kit de acero inoxidable de alta presión de 0,95 cm 30002	3,66 m	9,15 m	Acero inoxidable de 0,95 cm	Acero inoxidable	Sí, bomba de 1000 PSI modelo 92075
Kit flexible de alta presión de 0,95 cm 31012	3,66 m	9,15 m	Para alta presión de 0,95 cm Nylon con protección UV	Acero inoxidable	Sí, bomba de 1000 PSI modelo 92075
Kit de extensión flexible de alta presión de 0,95 cm 31022	3,66 m	9,15 m	Para alta presión de 0,95 cm Nylon con protección UV	Acero inoxidable	Sí, bomba de 1000 PSI modelo 92075

**Una vez ensamblado el kit de PVC, se debe esperar 24 horas para que el pegamento cure por completo.

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