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HisweetH 0.4mm

HisweetH 0.4mm Brass Misting Nozzles Instruction Manual

Model: 0.4mm | Brand: HisweetH

Introduction

This manual provides essential information for the proper installation, operation, and maintenance of your HisweetH 0.4mm Brass Misting Nozzles. These nozzles are designed to produce a fine mist using standard tap water pressure, making them suitable for various outdoor cooling, humidification, and landscaping applications. Please read these instructions carefully before use to ensure optimal performance and longevity of the product.

Product Overview

The HisweetH 0.4mm Misting Nozzles are constructed from durable brass with a stainless steel orifice, designed for resistance to rust and leaks. Each nozzle includes a self-sealing O-ring for a secure fit without the need for additional tape or sealant.

- **Material:** Brass body with stainless steel orifice
- **Orifice Diameter:** 0.4mm (0.016 inches)
- **Thread Size:** UNC 10-24
- **Connection Type:** Threaded inlet and UNC outlet
- **Features:** Anti-rust, durable, leak-proof design with integrated O-ring



Image: A pack of twenty HisweetH 0.4mm brass misting nozzles, showcasing their compact design and brass finish.

Setup and Installation

These misting nozzles are designed for straightforward installation into any 10/24 UNC threaded mist nozzle opening.

1. **Prepare the System:** Ensure your misting system's pipes or fittings have 10/24 UNC threaded openings.
2. **Inspect Water Quality:** It is highly recommended to install a filtering device at the water inlet pipe of your misting system. This will prevent debris from entering and clogging the fine 0.4mm orifice of the nozzles.
3. **Screw in Nozzles:** Carefully screw each brass misting nozzle into its designated opening. The integrated O-ring provides a seal, so no additional tape or sealant is required.
4. **Avoid Overtightening:** Do not overtighten the nozzles. Excessive force can compress and displace the O-ring, potentially causing leaks. Tighten until snug and secure.
5. **Test the System:** Once all nozzles are installed, slowly turn on the water supply to check for proper misting and any leaks.

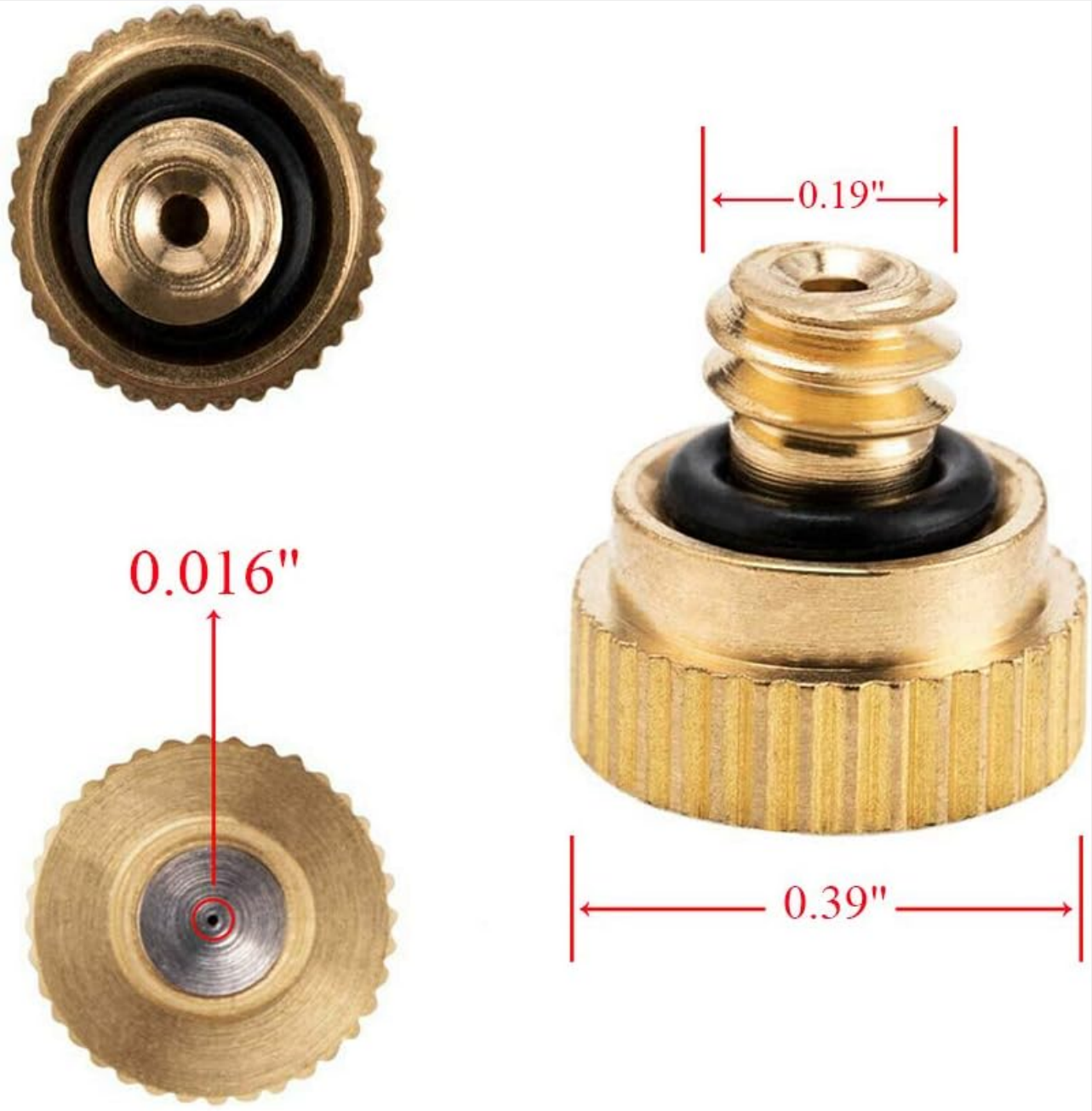


Image: A diagram illustrating the dimensions of the misting nozzle, including the 0.016-inch orifice and overall length.



Image: A HisweetH misting nozzle actively producing a fine mist, installed on a black misting line outdoors.

Operating Instructions

Once installed, the HisweetH misting nozzles operate by utilizing the pressure of your tap water supply to create a fine atomized mist.

- **Water Supply:** Connect your misting system to a standard tap water supply. No air compressor is required.
- **Activation:** Turn on the water supply to your misting system. The nozzles will begin to spray a fine mist.
- **Applications:** These nozzles are suitable for a wide range of applications including:
  - Outdoor cooling for patios, gardens, and outdoor living areas
  - Greenhouse humidification
  - Dust suppression
  - Landscaping and artificial fog effects
  - Agricultural irrigation systems

- Spraying disinfectants (ensure compatibility with nozzle materials)



Image: Examples of HisweetH misting nozzles in use across different outdoor settings, such as cooling a patio, humidifying a greenhouse, and providing mist for a residential area.

Maintenance

Regular maintenance is crucial to prevent clogging and ensure consistent misting performance.

- **Prevent Clogging:** As the nozzles have a fine orifice, mineral deposits from hard water or debris can cause blockages. Using a water filter at the system's inlet is the primary preventative measure.
- **Cleaning Clogged Nozzles:** If a nozzle becomes clogged, remove it from the system. Soak the nozzle periodically in a specialized misting nozzle cleaner or a solution designed to dissolve mineral deposits (e.g., a diluted vinegar solution).
- **Rinsing:** After soaking, rinse the nozzle thoroughly with clean water. You may gently back-flush it to dislodge any remaining particles. Avoid using sharp objects to clear the orifice, as this can damage the nozzle.
- **Regular Inspection:** Periodically inspect all nozzles for proper misting patterns. Replace any nozzles that are damaged or

cannot be effectively cleaned.

Troubleshooting

Problem	Possible Cause	Solution
No mist or weak mist	Clogged nozzle orifice; Insufficient water pressure	Clean the nozzle as described in the Maintenance section; Ensure adequate water supply pressure.
Water dripping or leaking from nozzle	Damaged or displaced O-ring; Nozzle not tightened correctly	Remove and inspect the O-ring, reposition or replace if damaged; Gently tighten the nozzle until snug, avoiding overtightening.
Inconsistent mist pattern	Partial clog in nozzle; Uneven water pressure distribution	Clean the affected nozzle; Check the entire misting line for blockages or kinks.

Specifications

- **Brand:** HisweetH
- **Model:** 0.4mm Misting Nozzle
- **Material:** Brass, Stainless Steel (orifice)
- **Orifice Diameter:** 0.4mm (0.016 inches)
- **Thread Size:** 10-24 UNC
- **Inlet Connection Size:** 0.24 Inches
- **Inlet Connection Type:** Threaded
- **Outlet Connection Type:** UNC
- **Package Dimensions:** 3.35 x 1.73 x 0.31 inches
- **Item Weight:** 4.2 ounces (for 20-pack)
- **UPC:** 717877539457
- **ASIN:** B07V1ZYCKG

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