Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

Fogland 0.012Orifice

Fogland Stainless Steel Misting Nozzles (0.012" Orifice, 10/24 UNC) Instruction Manual

Model: 0.012Orifice

1. Product Overview

Fogland stainless steel misting nozzles are designed to provide an effective cooling solution for various outdoor environments. These nozzles produce a fine, comfortable mist that can lower ambient temperatures by 3-10°C (37-50°F), making outdoor spaces more enjoyable during warm weather. They are compatible with most misting cooling systems featuring 10/24 UNC threads and are suitable for applications such as patios, gardens, and trampolines.



Image 1.1: A collection of Fogland stainless steel misting nozzles, showcasing their uniform design and construction.

2. Key Features

- **Anti-Clogging Design:** Features a detachable body for easy cleaning, significantly reducing the likelihood of clogging and extending nozzle lifespan.
- **Corrosion Resistance:** Constructed entirely from stainless steel, ensuring superior resistance to corrosion and prolonged durability compared to brass alternatives.
- **Effective Misting & Cooling:** Produces fine, atomized particles for efficient cooling, capable of reducing ambient temperatures without excessive wetting.
- **Low Pressure Compatibility:** Operates effectively with standard household tap water pressure, offering ease of use. Enhanced atomization is achieved with pump pressures of 4 bar (approximately 60 psi) or higher.
- **Multi-Purpose Use:** Versatile design suitable for various misting cooling systems and fans, or as replacement

parts for existing nozzles.



Image 2.1: Detailed view of the stainless steel nozzle's internal components and a visual comparison highlighting its corrosion resistance over traditional brass nozzles.

3. Setup Instructions

3.1. Compatibility

These nozzles are designed for misting systems that utilize **10/24 UNC** or **3/16" Threads**. Verify your system's thread type before installation.

3.2. Installation Steps

1. Ensure the water supply to your misting system is completely turned off.
2. Carefully screw each Fogland misting nozzle into the designated ports on your misting line or fan. Hand-tighten

until snug; avoid over-tightening to prevent damage to the threads or O-ring.

3. Confirm that all connections are secure and that the rubber O-rings are properly seated to prevent leaks.
4. Slowly turn on the water supply to the misting system.
5. Observe the misting pattern and check for any leaks. Adjust nozzle direction as needed for optimal coverage.

These nozzles are designed to operate effectively with standard household tap water pressure. For enhanced atomization and a finer mist, a pump pressure of 4 bar (approximately 60 psi) or more is recommended.



Image 3.1: Illustration of common misting connectors and a typical setup for a misting system, demonstrating where nozzles are installed.

4. Operating Guidelines

Fogland misting nozzles are engineered to produce a soft and comfortable atomized mist. This fine mist effectively lowers the ambient temperature, providing a refreshing cooling effect in outdoor areas. The generated flow rate is moderate, designed to cool without excessively wetting surfaces or individuals.
The typical flow rate for these 0.012" orifice nozzles ranges from 30ml/min to 42ml/min, depending on the water pressure supplied to the system.



Image 4.1: A misting fan equipped with Fogland nozzles providing cooling to an outdoor patio area.



Image 4.2: Visual representation of the superior fine mist produced by Fogland nozzles compared to a coarser, less efficient spray.

5. Maintenance and Cleaning

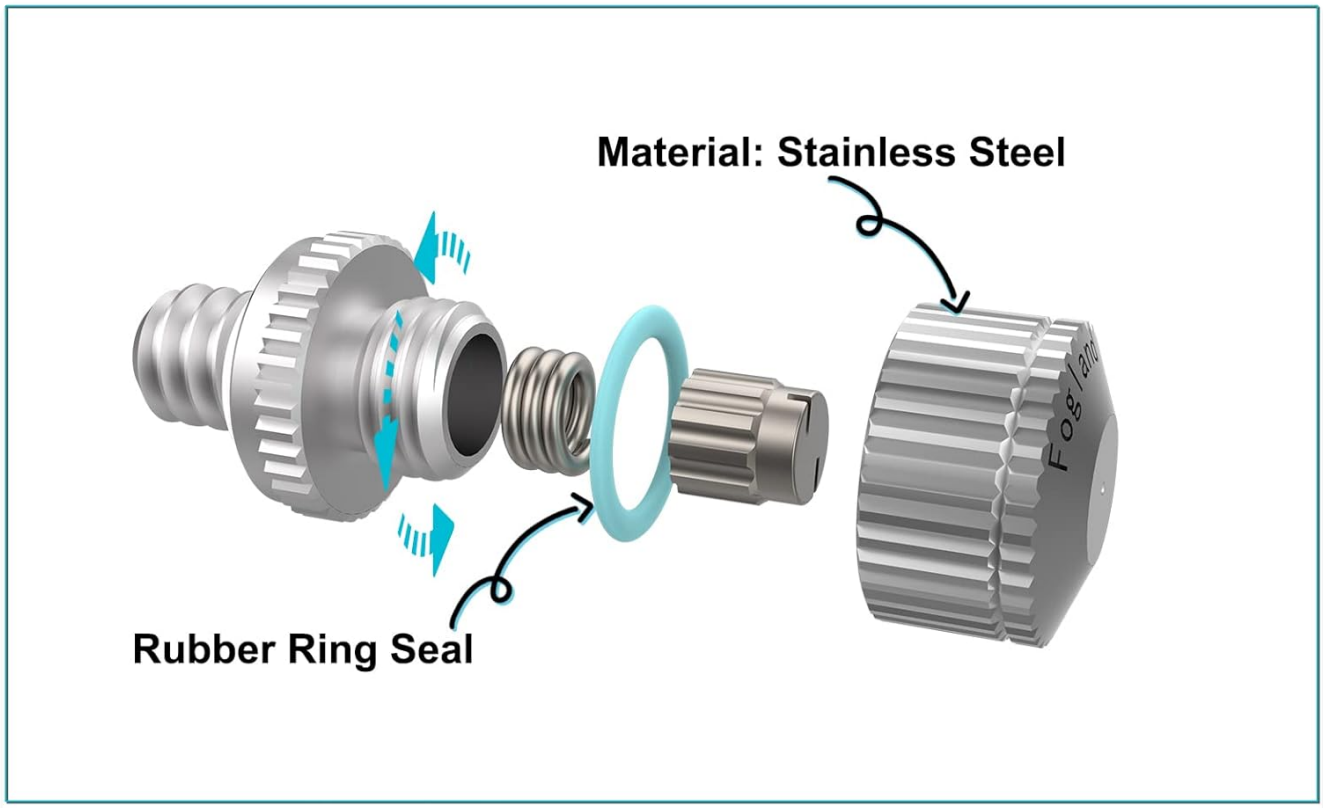
5.1. Anti-Clogging Design

Fogland stainless steel misting nozzles are designed with a detachable body to facilitate cleaning and prevent clogging, especially in areas with hard water. Regular maintenance ensures consistent performance.

5.2. Cleaning Procedure

1. **Turn off Water Supply:** Before attempting any cleaning, ensure the water supply to the misting system is completely shut off.
2. **Disassemble Nozzle:** Unscrew the nozzle body counter-clockwise. Carefully remove the nozzle cap, the internal swirl core, and the spring.
3. **Clean Components:** Clean all individual components (nozzle cap, swirl core, spring, and nozzle body) under running water. Use a soft brush to gently scrub away any mineral deposits, debris, or buildup from the orifice and internal parts.
4. **Reassemble Nozzle:** Once clean, reassemble the nozzle by placing the spring back into the body, followed by the swirl core, and then screw the nozzle cap back on clockwise until secure. Ensure all parts are correctly aligned.

5. **Test:** Turn on the water supply and check the misting pattern and for any leaks.





Misting nozzles are easily got blocked. The brass nozzles can not be disassembled for cleaning.



Fogland Stainless steel nozzles are with detachabl structure. When clogged, just unscrew the body cap and clean it.



Clean nozzle with water and a soft brush. After cleaning, the nozzle is assembled and can be used repeatedly

Image 5.1: An exploded diagram illustrating the detachable components of the Fogland nozzle, making it easy to clean.



Image 5.2: A visual sequence demonstrating the process of unscrewing, removing internal parts, and reassembling the nozzle for maintenance.

6. Troubleshooting

- **Reduced Mist or Clogging:** If the mist output is reduced or the nozzle appears clogged, perform the cleaning procedure outlined in the 'Maintenance and Cleaning' section. Hard water can lead to mineral buildup, requiring regular cleaning.
- **Uneven Spray Pattern:** Check for partial clogs or damage to the nozzle orifice. Clean the nozzle thoroughly. Ensure adequate water pressure is supplied to the system; insufficient pressure can result in a poor spray pattern.
- **Leaking:** Ensure the nozzle is securely tightened into its fitting. Verify that the rubber O-ring seal is properly seated and not damaged. If the O-ring is worn or cracked, it may need replacement.

7. Product Specifications

Specification	Detail
Brand	Fogland
Model	0.012Orifice
Material	Stainless Steel
Orifice Size	0.012 inches
Thread Type	10/24 UNC (compatible with 3/16" Threads)
Inlet Connection Type	Threaded
Approximate Dimensions (per nozzle)	0.35 inches (diameter) x 0.7 inches (length)
Manufacturer	Fogland
UPC	768432106751



Image 7.1: A detailed view emphasizing the precise 0.012 inch orifice of the nozzle.

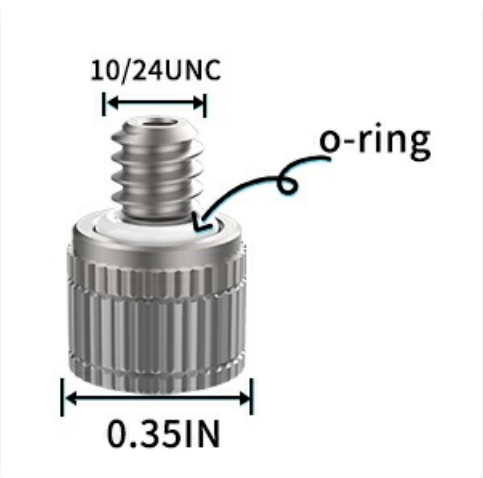


Image 7.2: Technical drawing indicating the nozzle's dimensions and its 10/24 UNC standard thread.

8. Warranty and Customer Support

For specific warranty information regarding your Fogland Stainless Steel Misting Nozzles, please refer to the documentation provided at the time of purchase or contact the retailer directly. For technical assistance, product inquiries, or support, please reach out to Fogland customer service through the platform where the product was

acquired.
You can also visit the Fogland Store on Amazon for additional product information and contact options.

© 2025 Fogland. All rights reserved.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

https://manuals.plus/asin/B09FHCN39Z

More documents and user manuals: **https://manuals.plus/**