



Nano  
Particle  
Technology

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## UTILITY FOGGER II CLEANROOM FOGGER

### GENERAL INFORMATION

The low cost, easy to use, Utility Fogger II produces, on demand, a cool, non-contaminating visible vapor composed of microscopic DI water droplets (fog). The fog is used for analyzing airflow patterns and turbulence in clean spaces or around equipment at distances of 3 to 6 feet depending on the air velocity and humidity of the environment. The fog is generated by ultrasonic transducers. The UF2 uses a positive pressure to push the fog out the fog tube.

### UTILITY FOGGER II COMPONENTS

- Utility Fogger II
- Power supply with 10 meter cable
- 2.5" (63.5mm) hose, which telescopes from 28" (71cm) to 82" (208cm).

### OPERATION

The Utility Fogger II is simple to use and the instructions are printed on the front panel.



### SPECIFICATIONS

<b>DIMENSIONS:</b>	10" x 9" x 11" (25.4cm x 22.9cm x 27.9cm)
<b>WEIGHT (including DIW):</b>	17 lbs. (7.7 kG)
<b>DI WATER CAPACITY:</b>	1 gallon (3.7 liters)
<b>FOG DISTANCE:</b>	3 feet
<b>FOG LIFE:</b>	~60 minutes of continuous use
<b>TRANSDUCER PROTECTION:</b>	Level sensor
<b>ELECTRICAL:</b>	120VAC or <u>optional 240VAC</u>



### GENERAL INFORMATION

The operation instructions are located on the front panel.

- Theory of Operation: Ultrasonic cavitation and DI water.

Use of any other liquids or chemicals will void the warranty. Tap Water is an optional feature for non-cleanroom use.

- The transducer life is ~5,000 hours. To protect the transducers from damage there is a level sensor that will interrupt the input voltage to the transducers, if the water level drops below minimum operating level.

### NOTES

1. The fog generated by this device contains microscopic droplets of DI water. **AVOID USING IN IMMEDIATE VICINITY OF ELECTRICAL APPLIANCES, WATER SENSITIVE PRODUCTS AND EQUIPMENT.**
2. The fan will operate with no water in the reservoir with the power switch in the ON position. This will aid in drying when the chamber is drained.
3. To increase drain plug tension, remove the plug, rotate clockwise (CW) the front latch while holding the rear metal disk.
4. The fogger is intended to be used on a flat surface, on its feet. Tipping the fogger with water in the reservoir will damage the fogger.

**OPERATING INSTRUCTIONS**

1. Fill with DI water to level indicated on the fill window.
2. Operate only on a flat, level surface or cart.
3. Connect cable between fogger and power supply.
4. Plug power supply into appropriate AC outlet (either 110 VAC or 230 VAC).
5. Attach flexible hose to the fog outlet on top of fogger.
6. When ready for fog generation, turn on fogger power switch.
7. Fog will last approximately 60 minutes in continuous use.
8. Fogger will shut off automatically when water level is low.
9. Drain water from fogger upon completion.
10. After draining, turn on to activate fan to assist drying interior.

**CAUTION: DO NOT OVERFILL OR TIP FOGGER**  
**DO NOT OVERFILL OR TIP THE FOGGER.**