



**Air Purification &  
Effective Removal**

## DISC FANS



Air One, Inc. Disc Fans<sup>™</sup> are an alternative to conventional nozzle based water atomizing misting systems for odor control. The Disc Fan operates on fan forced air and a spinning disc that emits water droplets. Disc Fans operate at slow speeds, provide a small droplet size (20-micron) and use less water (10-gallons per hour) and energy than conventional systems. They are the most practical and economical alternative for odor suppression in municipal solid waste handling facilities and transfer stations. Designed for use as a cooling/humidification product, the unit is simple, cost-effective and durable.

### Product Features and Advantages

**Simple Operation:** Disc Fans use a simple air assisted centrifugal water flow system that atomizes water into tiny droplets (20-micron). They do not use nozzles, high pressure pumps or compressors.

**Durable and Reliable:** The Disc Fans come in epoxy coated steel or stainless steel housings. Motors and fans are duty rated for consistent performance and reliability.

**Available Models:**

1. Ceiling mounted, non-oscillating
2. Ceiling mounted, oscillating
3. Portable, non-oscillating

**Water Management:** Spray volume is completely adjustable from 1-gallon per hour (gph) up to 10-gph. The system can be operated on domestic water supply pressure or a low pressure booster pump.

### Technical Specifications

Fan Diameter ----- 22-inches  
Air Volume ----- 3,460-cfm  
Fan speed ----- 1,750-rpm  
Power requirements ----- 120/230-volts  
Maximum mist throw ----- 65 to 100 feet\*

Coverage area ----- 1,000 to 3,500 ft<sup>2</sup>  
Water pressure requirement ----- 15 to 35 psi  
Water consumption ----- 1 to 10 gph  
Droplet size ----- 20 microns  
Weight ----- 75 pounds

\* Results may vary depending on conditions and use

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