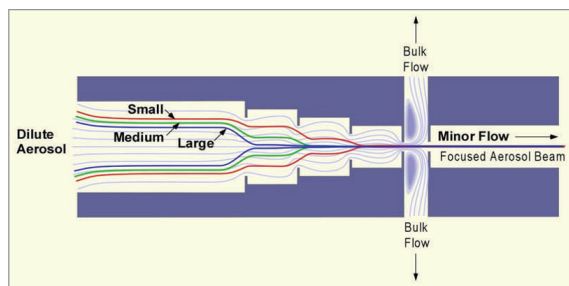


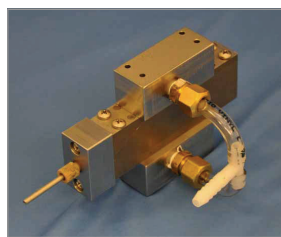
## Aerodynamic Lens Advanced concentration technology for superior sensitivity and detection

Enertechnix delivers industry-leading aerosol concentrator tools enabling higher sensitivity and faster detection. Scalable to virtually any flow rate, the Aerodynamic Lens™ can operate at very high concentration ratios with high efficiency and low pressure drop. Designed for intensive use by the military, environmental and medical researchers, and medical products manufacturers, the Aerodynamic Lens is a vital component for products such as personal exposure monitors, area monitors and weapons detection systems.

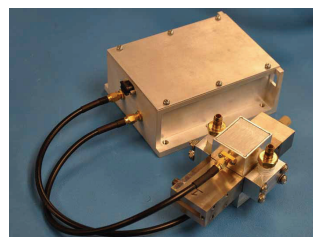
### Technological Breakthrough in Aerosol Concentration



The Aerodynamic Lens consists of a series of orifices of decreasing size through which a dilute aerosol is aspirated. The bulk of particle-free gas is stripped away, allowing a very small fraction of the gas, which contains virtually all of the aerosol particles, to flow into the collection channel. By adjusting the flow split, the concentration ratio can be selected within a wide range.



Stainless steel  
Aerodynamic Lens



Titanium Aerodynamic Lens with  
ultrasonic cleaning components

The Enertechnix Aerodynamic Lens is a reliable and adaptable high-performance component. Ultrasonic cleaning components can be added to allow the concentrator to operate for extended periods of time without fouling, thus reducing maintenance frequency.

#### Efficiency

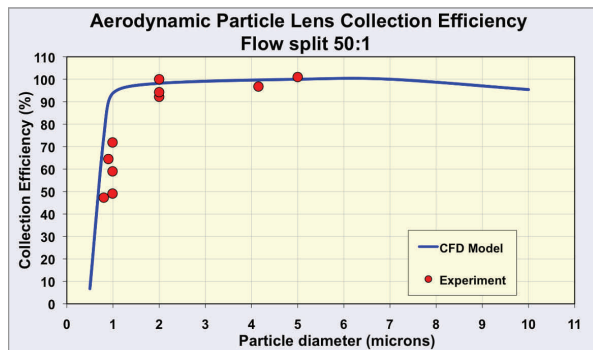
- Concentration ratios of 50:1
- Focused beam output (can deliver a 0.1 mm dia. beam)
- Sampling rates of 10 to 12 slpm

#### Flexibility

- Integrates with existing detection or collection systems
- Compact and has no moving parts
- Low power and very low pressure drop
- Durable unit can be heated to high temperatures to decompose residual particles or prevent vapor buildup

#### Physical specifications

- Corrosion-resistant stainless steel construction, also available in titanium
- Lens dimensions: 4 3/4" H x 3" W x 3/4" L
- Weight: approximately 1.5 pounds



Tested extensively with a wide variety of particle types, the Aerodynamic Lens achieves very high collection efficiencies, even when operated at high flow splits.

### About Enertechnix

Enertechnix develops innovative aerosol sampling, concentration and delivery tools that enable maximum efficiency. Our diverse team of scientists works with institutions such as the Departments of Defense, Homeland Security and Energy, National Institutes of Health, National Labs, top research universities, private companies and nonprofits.

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