

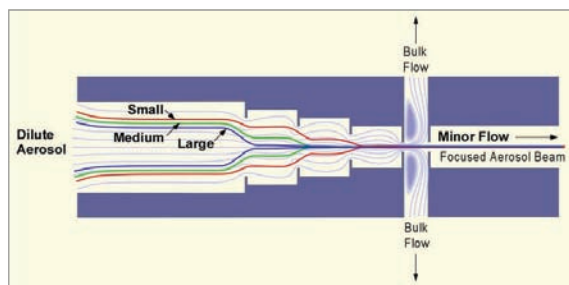


Enertechnix

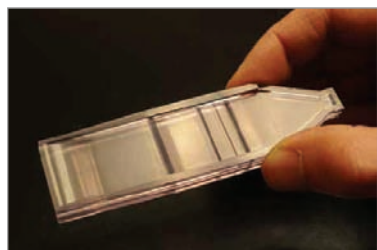
Aerodynamic Lens Advanced concentration technology for superior sensitivity and detection

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.



Injection-molded single lens



Single lens in housing

The Enertechnix Aerodynamic Lens is a reliable and adaptable high-performance component.



Multi-stage array

Efficiency

- Concentration ratios of 30:1 per stage
- Focused beam output (can deliver a 0.1 mm dia. beam)
- Sampling rates of 10 to 1000 slpm

Flexibility

- Integrates readily with existing detection or collection systems
- Compact, scalable and modular, with no moving parts
- Multiple lenses can be combined in an array
- Low power, lightweight and very low pressure drop
- Sanitary, disposable and very low cost in quantity

Physical specifications

- Plastic injection-molded construction
- Single lens dimensions: 5 1/2" H x 1 3/4" W x 1 3/4" L
- Weight including housing: approximately 2 ounces

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.

Contact Enertechnix

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