



When using a particle counter for filter integrity testing, filters and filter systems typically require challenges in excess of six million particles ($\geq 0.3\mu\text{m}$)* per cubic foot of air (2.1×10^8 per cubic meter) when leak sizing at a scan rate of $\sim 2''/\text{sec}$. Traditional Laskin nozzle and thermal aerosol generators are designed for use with photometers which commonly require $\sim 10 \mu\text{g}/\text{liter}$ or greater of an aerosol challenge for leak testing/sizing. Concentrations of $10 \mu\text{g}/\text{liter}$ are on the order of 100X greater than what is optimal for leak testing/sizing with a particle counter.

Milholland & Associates aerosol generators are designed to work at a wide range of output levels in order to provide the optimal particle challenge concentrations for testing small (100 CFM and below) or large (up to 75,000 CFM) systems with a single unit.

Model M01335



Features and Benefits

- Very stable at low output levels as well as over the full output range
- Adjustable nozzle pressures
- Very low PAO (Polyalphaolefin) consumption with a fill volume of 250ml (8.4oz)
- Secondary low output nozzle incorporated for testing biosafety cabinets and additional small systems
- Little to no liquid accumulation in outlet/sample tubing, duct work, filters, or filter housings
- Easy no-spill drain valve with safety lock
- Stainless steel enclosure
- Portable compressor pump included
- Liquid level sight gauge
- Light weight for easy transportation
- Quiet operation

Technical Specifications

- Poly-dispersed aerosol output
 - 3/8" FNPT generator outlet connection
 - Aerosol output range capabilities 10-75,000 CFM ($0.02 \mu\text{g}/\text{l}$)*
 - Stainless steel enclosure (8.0"W x 10.0"D x 10.0"H) 12lbs
 - Standard Compressor \sim (5.35"W x 7.68"D x 10.92"H) 16lbs 115 VAC 60Hz
- Optional Compressors Available
 Voltage 220/240VAC 50Hz (customer must supply plug)
 Voltage 220/230VAC 60Hz (contact us for configuration options)

*Six million particles ($\geq 0.3\mu\text{m}$) per cubic foot of air (2.1×10^8 per cubic meter) is approximately equivalent to $0.02 \mu\text{g}/\text{l}$ of PAO.



Contact Milholland & Associates for more detailed specifications.
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