



When using a particle counter for filter integrity testing, 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) are typically required. Traditional Laskin nozzle and thermal aerosol generators are designed for use with photometers which require more than $10 \mu\text{g/l}$ of an aerosol challenge for leak testing. Concentrations of $10 \mu\text{g/l}$ are on the order of 100X greater than what is optimal for leak testing/sizing with a particle counter.

QVA Test Solutions 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 medium (up to 7,500 CFM) systems with a single unit.

Model M020



Protective Carrying Case

Features and Benefits

- Very stable at low output levels as well as over the full output range
- Very low PAO (Polyalphaolefin) consumption with a fill volume of 60ml (2oz)
- Vernier handle output adjustment valve with reference setting marks
- Little to no liquid accumulation in outlet/sample tubing, duct work, filters, or filter housings
- Easy no-spill drain valve with safety plug
- Integrated compressor pump, no house air or external compressor required
- Operable in positive pressure systems
- Liquid level sight gauge
- Compact and light weight for easy transportation
- Quiet operation
- Protective carrying case included

Technical Specifications

- For use with oil based liquid aerosol agents such as PAO or DEHS
- Poly-dispersed aerosol output
- 3/8" Push to connect generator outlet connection (1/4 bssp port allows for alternate fitting configurations)
- Aerosol output range capabilities 100-7,500 CFM ($0.02 \mu\text{g/l}$)*
- 316 Stainless steel enclosure
- Approximate dimensions & weight of generator 124 mm X 216 mm X 197 mm (5.0"W x 9.0"D x 7.75"H), 3.5 kg (7.7 lbs)
- Self contained (internal compressor)
- Power supply (Included) 100-240VAC, 50/60 Hz, 1A MAX.

*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 $0.02 \mu\text{g/l}$ of PAO.

