INTRODUCTION
The air operated aerosol generators are used to produce poly disperse liquid aerosols which are reproducible in particle size distribution and aerosol mass concentration. Aerosol generators and photometers are used to integrity test or locate leaks in high efficiency air filtration systems.

These aerosol generators are useful in evaluating high efficiency filter systems, air lock systems, ventilation distribution and ESP. Filter manufacturers use this equipment to scan ULPA and HEPA filters to verify that they are free from manufacturing defects. Filter certifiers use this equipment to insure that filters were not damaged in shipping and have been installed properly, eliminating any leakage.

With the proper generator and photometer combination, filter deficiencies such as pinholes, thin spots, gasket leaks, frame leaks or seal problems can be quickly and quantifiably pinpointed and corrected thus protecting product and personnel.

DESCRIPTION
The aerosol generator TEK1-AG has an array of six Laskin nozzles symmetrically arranged into a single outlet feed pipe. It has integrated valves and regulators and can be coupled together or used separately so that 1 to 6 nozzles can be taken in line using combination. Standard plumbing connections are used throughout. The air supply pipe has pressure gauge, air supply pipe and compressed air couplings.
TEK1-AG has several improvements including rugged stainless steel construction, large fill port, individual nozzle control, and a standard outlet fitting. The portable Laskin nozzle aerosol generator TEK1-AG produces a sub-micron polydisperse aerosol in concentrations from 10 to 100 micrograms per liter (ug/l) at air flows from 50 to 8,100 cfm.

**FEATURES**
- TEK1-AG has rugged SS construction, large fill port, individual nozzle control and a 3" standard sanitary outlet fitting.
- TEK1-AG requires only a supply of clean compressed air to create poly dispersed submicron Oil Aerosol.
- Meets all known specifications for filter testing and complies with ISO14644-3.
- Suitable to generate aerosol from DOP, POA etc.

**SPECIFICATION**
- Aerosol Concentration 100 ug/l @ 810 cfm *
- Aerosol Concentration 10 ug/l @ 8,100 cfm *
- Generator Type: 1 to 6 Laskin Nozzles
- Compressed Air: 3 to 18 cfm @ 20 psi
- Aerosol Type: Polydisperse (Cold)
- Size: 10" L × 11" W × 9" H (25cm L × 28cm W × 23cm H)
- Weight-Kilograms (kg): 6.7 kg
- Electrical: (Not Required)

**APPLICATIONS**
- Clean Rooms
- Laminar Flow Benches
- Biosafety Cabinets
- Glove Boxes
- HEPA Vacuum Cleaners
- HVAC Systems
- HEPA Filters
- ULPA Filters
- Negative Pressure Filtration Units
- Surgical Suites

*Specifications & appearance is subject to change*