

TDA-4Blite Aerosol Generator



Description

ATI manufactures portable Laskin nozzle aerosol generators which produce a sub-micron polydispersed oil mist aerosol in concentrations from 10 to 100 micrograms per liter (ug/l) at air flows from 50 to 8,100 cfm @ 20 psig.

Aerosol generators and photometers are used to integrity test or locate leaks in high efficiency air filtration systems. Filter manufacturers use this equipment to scan ULPA and HEPA filters to verify 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.

Both the TDA-4B and the TDA-4B Lite feature several improvements including rugged stainless steel construction, large fill port, individual nozzle control, and a 3" standard sanitary fitting outlet. An optional hose adapter, part # 9300100, is available for introducing the aerosol into positive pressure systems.

TDA-4B Lite Features

The TDA-4B Lite is a smaller, lower capacity version of the TDA-4B that still retains all the improved features. The TDA-4B lite was specifically designed for use in biosafety cabinets. Its small size and low cost make it the ideal generator for biosafety cabinet testing and HEPA filter vacuums.

The TDA-4B Lite has 3 Laskin nozzles. When its total output at 20 psig is diluted by 405 cfm of air, the aerosol concentration is approximately 100 ug/l. Two valves permit the unit to operate with 1 to 3 nozzles to provide a wide range of aerosol concentrations.

TDA-4B Lite Specifications

Aerosol Output Range: 50-5,000 cfm
Aerosol Concentration 100 ug/1@*: 405 cfm
Aerosol Concentration 10 ug/1@*: 4,050 cfm
Generator Type: 1 to 3 Laskin Nozzles
Compressed Air: 3 to 9 cfm @ 20 psi
Aerosol Type: Polydispersed (Cold)
Size: 10" L x 8" W x 9" H
(25cm L x 20cm W x 23cm H)
Weight-Pounds (lbs): 12 lbs.
Weight-Kilograms (kg): 5.5 kg
Electrical: (Not Required)*When operated at 20 psi.