



TEC Services, Inc.

*Controlled Environment Products
Calibration & Services*

Aerosol Generator, Model AG-E3 (Electric)



**Aerosol Generator
Model AG-E3 (Electric)**

The AG-E3 laskin nozzle aerosol generator is a completely self-contained product (no external compressor needed) designed to incorporate the functionality of both of our previous electric cold laskin nozzle model generators (AG-E1 & AG-E2). The AG-E3 offers the flexibility to leak test low airflow filter systems such as animal racks and isolators as well as still having the capability to test larger applications such as laminar flow hoods and biosafety cabinets all with the turn of a valve. The AG-E3 can be utilized to test filter systems from 34 to 2025 cfm.

Standard Features

Heavy Duty Black Aluminum Case
Fold Down Handle
Self Contained Operation (Electric)
Adjustable Nozzle Pressure
Pressure Gauge (0-30 psi)
Spare Fuse
Illuminated Off-On Power Switch
Large Fill Port
Sight Glass for Oil Level
.75" FNPT Output w/ Adaptor

Technical Specifications

Case: Black Aluminum w/ Handle
Size: 14.5" L x 11.25" W x 9.75" H
Weight: 35 lbs. (15.9 kg)
Power: 115 VAC 60 Hz or 220VAC 50 Hz
Reagent: PAO or equivalent
Testing Range: 34 – 2,025 CFM
Aerosol Generation: .25 → 1.5 nozzles:
Aerosol Output @ 34cfm: 100 ug/l
Aerosol Output @ 2025cfm: 10 ug/l

- The AG-E3 uses simple, easy to operate controls. The generator utilizes .25 laskin nozzles or 1.5 laskin nozzles depending on the user's selection. If .25 nozzles is selected then the generator will provide 100 ug/l of aerosol when introduced into 34 cfm of airflow or 10 ug/l of aerosol when introduced into 338 cfm of airflow*. If 1.5 nozzles is selected then the generator will provide 100 ug/l of aerosol when introduced into 203 cfm of airflow or 10 ug/l of aerosol when introduced into 2025 cfm of airflow*.
- The AG-E3 operates on 115 VAC**; there is no separate air compressor needed for operation. The internal compressor supplies 23+ psi to the laskin nozzles and is adjustable when lower concentrations are required.
- The AG-E3 utilizes a collapsible handle, easy to use large fill port and sight glass for viewing the oil level. The pressure gauge is easily removable in order to calibrate.

* With 23 psi applied to the Laskin Nozzles when using PAO or 20 psi when using DOP.

** 220 – 240 VAC / 50 – 60 HZ Available

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