

4B Laskin-Nozzle Aerosol Generator



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Designed for testing filter systems ranging from small glove boxes to large cleanroom plenums, ATI Laskin-Nozzle generators provide the ideal solution for creating a polydispersed, submicron aerosol to certify and qualify HEPA filter systems.



Product shown may not visually represent current product

Applications

- Independent filter certifiers
- Nuclear facilities
- Pharmaceutical manufacturers
- Medical facilities and cleanrooms
- Biosafety cabinets and fume hoods*

* per NSF/ANSI 49

Key Features and Benefits

- Adjustable aerosol concentration output to meet different application requirements
- Air flow rates from 810 to 8,100 cfm for a wide variety of testing requirements
- Integrated passive pressure relief valve for added safety
- Flex-fuel capable, allows for the use of a variety of reagents
- Lightweight and rugged, ideal for remote locations



4B LASKIN-NOZZLE AEROSOL GENERATOR

A Tough, Portable Solution

The 4B Laskin-Nozzle aerosol generator is durable, portable, and reliable. Designed for testing filter systems ranging from small glove boxes to large cleanroom plenums, ATI Laskin-Nozzle generators provide the ideal solution for creating a polydispersed, submicron aerosol to certify and qualify in-situ filter systems. End users include independent filter certifiers, government and commercial nuclear facilities, pharmaceutical manufacturers, medical facilities, and other industrial applications.

A Flexible Solution

The 4B generator produces an industry standard true Laskin III-A repeatable aerosol and features adjustable aerosol concentration output to meet multiple application requirements. The 4B generator is used in conjunction with an aerosol photometer to measure the aerosol penetration of an individual filter or filter system, typically to identify, quantify, and repair leaks. Concentrations can be achieved from 100 µg/l down to 10 µg/l at airflows ranging from 810 to 8,100 cfm.*

Rugged Convenient Design

The 4B features rugged stainless steel, with easily cleanable construction, a large fill port, jet and pressure control, integrated pressure relief valve, and a standard three-inch sanitary fitting outlet collar.

PRODUCT SPECIFICATIONS

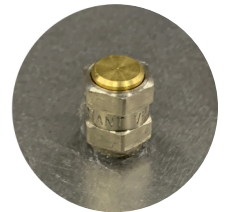
Dimension (L x W x H)	25 cm x 28 cm x 26 cm (10 in x 11.25 in x 10.5 in)
Weight	7.3 kg (16 lb)
Aerosol Output	50 – 8,100 cfm
Concentration*	100 µg/l @ 810 cfm 10 µg/l @ 8,100 cfm
Generator Type	1 to 6 Laskin-Nozzles
Compressed Air	min 2.65 cfm/nozzle @ 20 psig
Aerosol Type	Polydispersed (cold)

If more than 20 psig is used, the output concentration will increase and conversely, if less than 20 psig is used, the output concentration will decrease.

*If using more than two nozzles, upstream concentrations should be measured.

Integrated Pressure Relief Valve

An integrated passive pressure relief valve provides added operator safety. The pressure relief valve prevents pressure build-up in the tank if the aerosol outlet port is accidentally blocked.



Optional Hose Adaptor Kit

A hose adaptor kit (hose not included), used to introduce aerosol remotely, connects easily to the standard outlet collar.



Optional Heavy Duty Case

Heavy duty, water-proof transport case with wheels. Accommodates either a 4B or 6D generator, with space for optional hose adapter with cap to prevent spills. (Universal case with 6D generator shown).



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