



## ATI TDA-4 Series Laskin-Nozzle Aerosol Generators



**T**he TDA-4 series family of Laskin-Nozzle aerosol generators are 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, sub micron aerosol to certify and qualify in-situ filter systems. End users include independent filter certifiers, government and commercial nuclear facilities, pharmaceutical manufacturers, medical facilities, as well as other industrial applications.

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## A Tough, Portable Solution

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## A Flexible Solution

The TDA-4B family of aerosol generators produce an industry standard true Laskin III-A repeatable aerosol and feature adjustable aerosol concentration output to meet multiple application requirements.

These generators are 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. Aerosol concentration output varies by generator model; however concentrations can be achieved from 100 ug/l down to 10 ug/l at airflows ranging from 405 to 8,100 cfm\*.

## Rugged Convenient Design

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



## Optional Hose Adaptor Kit

A hose adaptor kit (hose not included), used to introduce aerosol remotely, connects easily to the standard outlet collar and is available as an accessory.

### Product specifications: TDA-4 Series Laskin-Nozzle Aerosol Generators

	TDA-4B	TDA-4Blite
<b>SIZE:</b>	11" (L) x 11" (W) x 10" (H)	11" (L) x 8" (W) x 10" (H)
<b>WEIGHT:</b>	16lbs (7.3kg)	12lbs (5.5kg)
<b>AEROSOL OUTPUT:</b>	50 – 8,100 cfm	50 – 4,050 cfm
<b>CONCENTRATION:</b>	100 ug/l @*: 810 cfm 10 ug/l @*: 8,100 cfm	100 ug/l @*: 405 cfm 10 ug/l @*: 4,050 cfm
<b>GENERATOR TYPE:</b>	1 to 6 Laskin Nozzle	1 to 3 Laskin Nozzle
<b>COMPRESSED AIR:</b>	min 2.65 cfm/nozzle @ 20 psig	
<b>AEROSOL TYPE:</b>	Poly-dispersed (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.



## Service & Training @ ATI

OEM calibration, maintenance & repair

ATI Certified Operational, Service & Maintenance Training (ask for details)

Quality testing for HEPA filters & protective masks available at our ISO-9001 registered, NQA-1 & DOE audited Test Laboratory



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