

# 6D Laskin-Nozzle Aerosol Generator



**The 6D is a small, light, rugged and portable, self-contained Laskin-Nozzle aerosol generator with integrated compressor.** It is ideal for testing a wide variety of filter systems with airflows up to 2,000 cfm by generating a polydispersed, submicron aerosol. Applications include workstations, negative pressure filtration units, biological safety cabinets, ceiling modules and more. It can also be used for testing positive pressure systems using an optional positive injection pump and hose adapter.



## Applications

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

\* per NSF/ANSI 49

## Key Features and Benefits

- Integrated compressor, no external air required
- Flex-fuel capable, allows for the use of a variety of reagents
- Integrated pressure gauge guarantees the correct pressure across the nozzle
- Air flow rates from 200 to 2,000 cfm to test a wide variety of filter systems



# 6D LASKIN-NOZZLE AEROSOL GENERATOR

## A Tough, Portable Solution

The 6D is a small, light, and rugged portable, self-contained Laskin-Nozzle aerosol generator. It is ideal for testing a wide variety of filter systems with airflows up to 2,000 cfm by generating a polydispersed, submicron aerosol. Applications include workstations, negative pressure filtration units, biological safety cabinets, ceiling modules, and more.

The 6D can also be used for testing positive pressure systems using an optional positive injection pump (PIP) and hose adapter. On-site routine maintenance is easy. And its integrated compressor makes implementation simple - all you need is a power source.



Hose Adaptor Connectors

## PRODUCT SPECIFICATIONS

Dimension (L x W x H)	37.4 cm x 25.7 cm x 27.6 cm (14.8 in x 10.1 in x 10.9 in)
Weight	15 kg (34 lb.)
Aerosol Output	50 - 2,000 cfm
Aerosol Concentration	100 µg/l @ 200 cfm / 10 µg/l @ 2,000 cfm
Generator Type	2 or 6 Laskin-Nozzle Jets (1/2 or 1-1/2 Nozzles)
Aerosol Type	Polydispersed (cold)
Electrical	120 VAC/60 Hz or 240 VAC/50Hz
Compressed Air	Not required, On-board integrated compressor

## Performance Guaranteed

6D aerosol output is regulated with a calibrated pressure gauge; guaranteeing 20 psi across the nozzle per industry standards. The 6D complies with all applicable electrical and safety requirements and is CE approved.

## Easy to Use

Integrated liquid fill sight glass, drain port, and power cord storage make operating, transporting, and storing the 6D simple and easy. An optional hose adaptor kit, used to introduce aerosol remotely, connects easily to the standard outlet using the sanitary flange or simple NPT connection.

## Optional Heavy Duty Case

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



Site Glass



Power Cord Storage



Drain Port



## 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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REV A

US HEADQUARTERS  
+1.410.363.9696

EMEA OFFICE  
+44 (0) 1462 676446

info@atitest.com  
www.atitest.com

