



## 5C Thermal Aerosol Generator



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### A tough, portable solution

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Used in conjunction with an aerosol photometer, the user can detect and measure leaks of high efficiency filtration system.

The 5C thermal aerosol generator produces aerosol at concentrations ranging from 100 µg/l down to 10 µg/l at airflows ranging from 6,500 to 65,000 cfm.

### A safe, convenient design

Incorporating fail-safe oil feed and thermal shut off features, auto-purging of the heater block, tipping cut out technology, and a liquid level sight gauge make the 5C the safest thermal aerosol generator available today.

All controls and displays are grouped on the front panel for easy operation away from the potentially hot aerosol generator output nozzle. High liquid capacity allows for up to four hours of operation without refilling.

Digital temperature control with redundant feedback allows the operator to optimize the unit for the aerosol agent being used, and aerosol output can be adjusted to accommodate specific application requirements.

A new output nozzle collar design guarantees adequate vapor quenching mitigating potentially improper operation.

### Easy maintenance

Routine preventative maintenance is limited to inspection and validation of system operating voltages, electrical connections, temperature controller and internal regulator.

#### Product specifications: 5C Thermal Aerosol Generator

Size:	14" L x 10" W x 10" H (35cm L x 25cm W x 25cm H)
Weight:	23lbs (9.1kg)
Aerosol Output:	1,500 - 65,000 cfm
Concentration :	100 ug/l @ 6,500 cfm 10 ug/l @ 65,000 cfm
Generator Type:	Vapor Condensation
Compressed Gas <sup>1</sup> :	Nitrogen, Argon, Carbon Dioxide, or Helium (20CFH @ 50psi)
Electrical:	110VAC/60 Hz or 220VAC/50Hz
Aerosol Type:	Poly-dispersed (Cold)

<sup>1</sup> The propellant must be an inert gas such as the liquid vapor temperature is above the liquid flashpoint.



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