



# Aerosol Generator 3990-02

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3990-02 is a thermal, large volume aerosol generator. After the aerosol solution is injected and the machine is turned on, the internal heating element rapidly changes the liquid aerosol into a vapor state, and the vapor is rapidly cooled by the aid of inert gases (such as N<sub>2</sub>, CO<sub>2</sub> and the like) to generate polydisperse aerosol smoke to be output. Heating times of at least 2 minutes and high aerosol output are widely used for filter leak testing from small air purification units to large clean room air conditioning systems.

### Key Features & Benefits ▼

- ▶ 2.4inch color display, real-time monitoring of internal gas circuit pressure and heating zone temperature
- ▶ High concentration aerosol output (500-70,000 cfm)
- ▶ Rapid heating system, heating time less than 2 minutes
- ▶ Oil storage space increased by 60% compared with similar products to ensure long-term dust generation.
- ▶ Mechanical liquid level gauge can display oil quantity and observe liquid level more intuitively
- ▶ Suitable for various aerosol types (PAO-4, DOS/DESH...)
- ▶ Applicable to different air conditioning system flow rates

### Nozzle Connector ▼



### 2.4inch Color Display ▼



Model	3990-02
Mode of occurrence	Heat generation
Flow Range	500-70,000 cfm (833-119,000 m <sup>3</sup> /h)
Concentration Range	100mg/m <sup>3</sup> @11,900 m <sup>3</sup> /h (100µg/l@7,000cfm) 10mg/m <sup>3</sup> @119,000 m <sup>3</sup> /h (10µg/l@70,000cfm)
Heating Time	< 2min
Particle Size Distribution	Meets ANSI/ASME N509/510
Aerosol Solution	PAO-4, DOS/DESH, Ondina EL, DOP/DEHP, Mineral oil
Input Pressure	345 kPa (50 psi)
Capacity	1.8L
Power Supply	AC 220V 50Hz 8A
Dimensions	(430 x 140 x 360) mm
Weight	11kgs