

Aerosol Generator Model 3990-03

The Model 3990-03 is a portable compact aerosol generator, which an on-board air compressor supplies the necessary pressure for producing a poly-disperse oil aerosol. No other attaching air source requested. When it's total output at 23psi (158kPa) and as under this Max. pressure is diluted by 50 ~ 2000 cfm (85 ~ 3396m³/h) of air, the aerosol concentration will be approximately 10 ~ 100μg/l for available generating.



This aerosol generator providing a wide range of aerosol concentrations, it's recommended for testing systems with air-flows of 2,000 cfm (3396 m³/h) and lower. It is ideal for workstations, small or portable clean-rooms, bio-safety cabinets, ceiling modules, or HEPA filter units in installation where an adequate supply of clean, compressed air is readily available. The generator combining with aerosol concentration tester (Photometer or Particle Counter) are used to integrity test or locate leaks in high efficiency air filtration systems by comparing the aerosol concentration between upstream and downstream of the test system.

Features

- ★ No attaching compressed air source supply required.
- ★ Two regulator valves for adjusting and control the aerosol concentration.
- ★ Rugged stainless steel construction, compactive and potable design.

Application

- ★ Bio-safety cabinets, ceiling modules, small or portable clean-rooms, small HEPA filter units.
- ★ ULPA, HEPA filter manufacturers.
- ★ Leak testing when filter installation.
- ★ Other applications for aerosol generator.



Spout Connector

Main specifications

Airflow range	50- 2000 cfm
Aerosol Concentration	100 μ g / L@ 200cfm 10 μ g / L@ 2000 cfm
Nozzles selection	L(low) / H(high)
Size (L x W x H)	38cm \times 27cm \times 26cm
Weight	18.5 kgs
Power source	100~125V 60Hz 4A. or 210~235V 50Hz 2.5A
Fuse	5 \times 20mm, 10A
Aerosol Reagent	PAO-4, DOS, Ondina EL, DOP, Mineral oil, Paraffin, or Corn Oil liquid aerosol reagent.
Duty Cycle	Intermittent on/off; or Less than 1 hour on.
Ambient Temperature	5~40 $^{\circ}$ C
Ambient Pressure	Standard Atmosphere
Ambient Humidity	5%~85%RH
Storage requirements	-25 $^{\circ}$ C~55 $^{\circ}$ C

Packing List

Items	Quantity
Master (with potable handle)	1
Power cable	1
Clamp	1
Silicom gasket	1
Upper Chucking	1
Under Chucking	1
Hose clamp	1
Instruction Manual	1