

## Corona Integrated Technologies Inc.

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Clean Room applications for Corona aerosol / smoke generators

### HEPA Filter Testing (DOP) - ViCount Aerosol Generator Range



The ViCount range of aerosol generators from Concept produce an aerosol that meets the requirements of BS5295 with regard to the challenging of HEPA filters. With 3 output ranges available, the ViCount is capable of testing small fume cupboards to large, in line systems. The units can utilize either the European recognized Ondina EL or the FDA approved Emery oil with minor reprogramming. The aerosol from the ViCount can be hoses considerable distances in conjunction with an optional ducting adaptor.

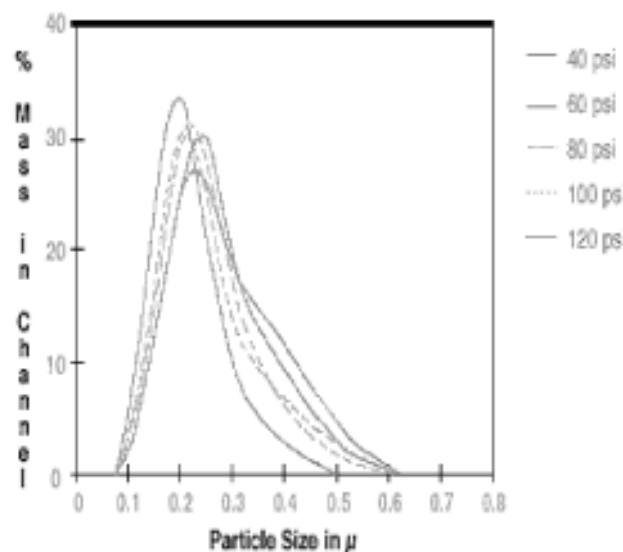
Users:

BNFL (British Nuclear Fuels Ltd)  
 Atomic Weapons Establishment  
 Aldermaston  
 Glaxo  
 Smith Kline Beecham  
 Atomic Energy Authority Harwell

#### Model Range

Lo Model	Aerosol output ug/sec
ViCount 1300/135/0.6kw (Ondina EL)	0 - 166,000
ViCount 1300/180/0.6kw (Emery)	0 - 166,000
Standard Model	Aerosol output ug/sec
ViCount 1300/135/1.1kw (Ondina EL)	0 - 466,000
ViCount 1300/180/1.1kw (Emery)	0 - 466,000
Hi Model	Aerosol output ug/sec
ViCount 5000/135/2.2kw (Ondina EL)	0 - 850,000
ViCount 5000/180/2.2kw (Emery)	0 - 850,000

**Thermal Generator**  
 Typical Particle Size Distribution



Data provided by AEA Harwell



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### Airflow Visualization - Colt 4 generator range

Producing an aerosol of pharmaceutical grade glycerol the Colt is an ideal tool for air tracing in sensitive environments. The generator is small and very simple to use. It's output can be adjusted from a low level to a powerful plume, and the unit can be used to produce smoke "off power" once initial working temperature has been achieved.

Importantly the Colt 4 smoke is very persistent, so small quantities in the atmosphere can be visually traced over long distances, and considerable periods of time (typically 15–20 minutes after generation in near static conditions). The aerosol canister, which contains the smoke chemical reseals after every use, so they can be used again and again until exhausted.

The tracing smoke from the Colt 4 can be hosed considerable distances in conjunction with an optional ducting adaptor.

Users  
Health and Safety Executive (UK) Crowthorne Hi  
Tech Safety Industries  
Air Management Systems

