

# The Concept Colt Portable Smoke System



- Compact and Robust
- Off Power Capability
- Water based, non toxic smoke
- NATO codified
- Persistent Smoke (Colt 4)
- Fast Dispersing Smoke (Colt 3)
- Controllable smoke, from a small wisp to a large plume
- Class-leading particle size 0.2 micron mass median diameter

**Concept Smoke Systems—Quality Assured**

General Specification (approx)	Colt 3 & 4	Colt 4 Turbo
Size (cm)	37 x 15 x 20	37 x 15 x 20
Weight ((kg)	5.5	7
Heat Exchanger (w)	1100	2200
Power Supply	230vAC, 50-450Hz*	230vAC, 50-450Hz*
Optional	110vAC, 50-450Hz*	110vAC, 50-450Hz*
Warm up time from cold (min)	5	4
Duration of aerosol at max. output (min)	14	8
Smoke output (m <sup>3</sup> /min @ 1.5m visibility)	0—125 fully adjustable	0—233 fully adjustable
Smoke Particle diameter (micron, mmd)	0.2	0.2
Operation "Off Power"	Basic and Remote H versions	Basic and Remote H versions
Remote operation (*50-60Hz only)	Remote H version	Remote H version

A compact, portable and powerful smoke generator, that is incredibly easy to use.

In its Basic format, the Concept Colt has the ability to produce a considerable amount of smoke "off power" using the retained energy within the high mass heat exchanger block. This allows an operator to carry the generator from room to room, making smoke as required, without a trailing electrical lead. The Remote version allows for both "off power" and remote operation (the latter only applying whilst power is connected).

Simple to operate, the Concept Colt is used worldwide by numerous Fire Authorities, Armed Forces, shipping lines, asbestos removal specialists, HVAC contractors, analytical laboratories and clean room airflow specialists amongst others.

Smoke chemical, stored in a one-piece aluminium canister is forced under pressure through the precision machined heat exchanger, where it is vaporised. The vapour condenses to form a "smoke" effect with a class-leading particle size (an order of magnitude smaller than most "conventional" smoke systems), which means that dense smoke can be achieved for substantially lower concentration of chemical in the atmosphere. The resulting smoke has been analysed by independent laboratories to ensure that it is both non-toxic and non-flammable. Canisters re-seal after use, so no wastage occurs, and part-used canisters can be utilised later. Smoke from the systems can be ducted if required.

Colt 4 variants are particularly suited to large volume requirements due to their high persistency. The recently introduced Colt 4 Turbo Basic is one of the most powerful hand-held systems available today.

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