

# Concept Smoke Systems

## Colt 4 Turbo Smoke Generators



- Compact design
- Extremely robust
- Extremely powerful
- Water based, non-toxic smoke
- NATO codified
- Persistent smoke
- Controllable smoke output, anything from a small wisp to a large plume
- Class leading particle size 0.2 micron mmd
- 5 year parts warranty & lifetime heat exchanger block guarantee

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 (m3/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

The Colt 4 Turbo is one of the most powerful hand-held smoke generators available on the market today. It is easy to use, compact and portable which is why it is used heavily worldwide for application such as; fire training, air flow visualisation, leak testing, special effects etc.

In its Basic format, the Concept Colt 4 Turbo 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 Hybrid version allows for both "off power" and remote operation (the latter only applying whilst power is connected).

As with all our mains powered systems, the Concept Colt smoke can be hosed considerable distances using optional ducting adaptors.

Smoke chemical, stored in a one-piece aluminium canister is forced under pressure (from an inert gas) 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.

Colt 4 Turbo variants are particularly suited to large volume requirements due to the persistency of the smoke.

A full range of accessories are available, including:

- Range of transport cases
- Smoke canisters
- Wired / Radio remote control
- Black chassis
- Ducting adapters / hoses
- Refillable smoke canisters
- Maintenance kits
- Spare parts

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