

# Concept Colt 4 Portable Smoke System

The Fire Professional's choice



- Compact and Robust
- Off Power Capability
- Water based, non toxic smoke
- NATO codified
- Highly Persistent Smoke for smoke logging large volumes
- Controllable smoke, from a small wisp to a large plume
- Class-leading particle size 0.2 micron mass median diameter

General Specification (approx)	Colt 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 Hybrid versions	Basic and Hybrid versions
Remote operation (*50-60Hz only)	Hybrid version	Hybrid version

Easy to use, compact and portable, the Concept Colt 4 is used worldwide by fire professionals, training centres, armed forces, and shipping lines for adding realism to fire, BA and evacuation exercises

In its Basic format, the Concept Colt 4 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 one room to another, 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).

### STOP PRESS - 04/2008

The Royal Navy and Royal Fleet Auxiliary, after extensive testing, have taken delivery of Colt 4 Turbo smoke systems for creating safe but highly realistic fire training scenarios on board their entire fleet

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 or where the spread of smoke needs to be highlighted because of the smoke's high persistency. The recently introduced Colt 4 Turbo Basic is one of the most powerful hand-held systems available today.

## Concept Engineering Ltd

7 Woodlands Business Park  
Woodlands Park Avenue  
Maidenhead, Berks SL6 3UA, UK  
Tel +44 (0)1628 825555 Fax +44 (0)1628 826261  
E Mail: info@conceptsmoke.com



[www.conceptsmoke.com](http://www.conceptsmoke.com)