

The MiniColt 4 Portable Smoke System

The ideal “air tracing” tool



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

General Specification (approx)	Mini Colt 4
Size (cm)	33 x 15 x 19
Weight ((kg)	5
Heat Exchanger (w)	1100
Power Supply	230vAC, 50-450Hz*
Optional	110vAC, 50-450Hz*
Warm up time from cold (min)	5
Duration of aerosol at max. output (min)	14
Smoke output (m ³ /min @ 1.5m visibility)	0—125 fully adjustable
Smoke Particle diameter (micron, mmd)	0.2
Operation “Off Power”	Basic and Hybrid versions
Remote operation (*50-60Hz only)	Hybrid version only



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

In its Basic format, the MiniColt 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 room to room, making smoke as required, without a trailing electrical lead.

At full output, up to 2 minutes smoke can be produced off power, but at the reduced output typical of air tracing applications, multiple small bursts of smoke can be produced up to 20 minutes after power disconnection

The Hybrid version allows for both “off power” and remote operation (the latter only applying whilst power is connected).

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Pharmaceutical grade 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 high boiling range of the smoke chemical used results in an aerosol or smoke of exceptional persistency, so it remains visible for long periods.

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.

The artificial smoke from the MiniColt 4 can be ducted using optional ducting adaptors (to suit 25, 50 and 75mm id ducting) enabling the smoke to be introduced into a restricted area, duct or fume cupboard very simply.



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