



CORONA COLT 8.5 SMOKE GENERATOR

The **COLT** series of smoke generators are primarily designed for the rigorous military and industrial marketplace. They are widely used throughout the world by the aviation industry, military forces, fire and police departments, health authorities, the shipping and entertainment industries, or wherever portability of a smoke generator is required.

THE SMOKE

- Dry, dense, safe
- Non toxic, non irritant, non contaminant
- Non conductive, non corrosive, non flammable
- Non staining
- Leaves no residue
- Unaffected by adverse temperatures
- Harmless to computers, cameras, electronics and other sensitive equipment and machinery
- Can be ducted - aided by a fan if appropriate
- Tested by the Canadian Centre for Occupational Health and Safety

THE GENERATOR

- Compact, robust and lightweight
- Precision machined, solid steel heater block with removable spiral form core for easy servicing
- Two cartridge heaters provide uniform heating throughout block
- Heat sensing at block core
- Variable smoke output (zero - maximum)
- Exceptionally easy to use
- Minimal maintenance
- EMC compliance and CE accreditation
- ISO 9001 and CSA/UL approved

PRINCIPLES OF OPERATION

Corona smoke oil is broken down into a fine mist by introducing a fluid solution under pressure into a heater block where it vaporizes. The vapor condenses on reaching the air to form a visible, dry, dense "smoke". The liquid particles produced by the Colt have a diameter much smaller than that of conventional smoke generators. They hold less than one hundredth the amount of liquid and drop at a rate that is fourteen times slower - very little fluid is required. Corona's Colt smoke fluid is contained in an airtight canister and pressurized by an inert gas.

The Colt produces a smoke that is dry, dense, long lasting, and capable of withstanding temperatures in excess of 60°C (140°F). The smoke quickly produces extremely low visibility which is maintained for extended periods of time, making it ideal for fire training, emergency training, leak testing, and airflow visualization. The basic Colt can be remotely operated for up to 30 minutes after the power has been switched off.

QUALITY ASSURANCE

The Colt generators are designed and manufactured to ISO 9001 and BS5750PTI standards, the highest level of Quality Assurance available. All are factory pre-set and tested prior to shipping. Corona's unique smoke fluid formulations and the resulting smoke have been rigorously tested and analyzed by both independent laboratories and the Health and Safety Executive to ensure that it is non toxic and non flammable. The Colts are also NATO approved.

SPECIFICATIONS

COLT 8.5 Aviator

Weight:	12 lbs. (5.5 kg)	
Size (H x W x L):	8" x 6" x 15" (20 x 15 x 38 cm)	
Smoke output at 5 ft (1.5m) visibility:	3,400 cu.ft. (97 m ³)/min	
Smoke particle size:	0.2 - 0.3 micron	
Running time at max. output:	18 - 20 minutes	
Power consumption:	.9 KW	
Power supply:	110 or 220V, 50-440 Hz, 8.5A	
Warm up time from cold:	7 minutes	



OPTIONS:

2" or 3" (52 or 75mm) ducting tube attachment adapter; flexible tubing, remote control model with 15 foot (4.5 m) lead

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