

Please read these instructions fully before operating your smoke machine.

GENERAL INFORMATION

1. MiniColt 4 smoke machines are designed for use only with the appropriate CONCEPT COLT aerosols. DAMAGE WILL OCCUR IF ANY OTHER AEROSOL IS USED.
2. DO NOT COVER OR OBSTRUCT LOUVRES IN ANY WAY. Use machine only in well ventilated areas.
3. When smoke is required to be hosed away from the machine, a Ducting Adaptor (available from Concept) must be used. This acts as an Adaptor for flexible hose and also serves to remove any large droplets of fluid from the smoke that would otherwise collect in the hose. Some smoke deposition will occur in any flexible hose / adaptor as the smoke particles are compressed. Drain off as required
4. Normal precautions should be observed regarding the storage and use of aerosols i.e.: Protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn even after use. Do not spray on a naked flame or any incandescent material.
5. Store and use the MiniColt 4 in dry conditions

PREPARATION & OPERATION

Fit suitable fused plug to mains lead (5 amp fuse for 240v, 10 amp fuse for 110v). Check that aerosol contains fluid. Clean top of aerosol if necessary

1. Plug mains lead into an appropriate power supply.
2. Switch Power Switch on machine to the ON (1) position. The built in Red Indicator Light will illuminate. After approximately 5 minutes the Green Temperature Neon will come on, indicating that the correct working temperature has been reached and that smoke can be produced. **For best results, it is recommended that the machine is left for an additional 10 minutes before smoke is produced. NOTE: Do not attempt to generate smoke until the Green Temperature Neon has come on for the first time, otherwise damage may be caused to the machine.**
3. Carefully align valve on aerosol with the insert and fix into position by turning clockwise. The aerosol should be tightly screwed into position to create an effective seal.
4. To make smoke - Press the Green Smoke Button. Adjust smoke output by the Output Rate Control. When smoke is no longer required, release the Smoke Button.
5. SHUT DOWN – when machine is no longer required, unscrew and remove aerosol. **Wipe away any excess fluid in the black aerosol guide tube. We recommend that the Power is left on for a few minutes to allow and residual chemical in the heat exchanger to vapourise, before putting the Power Switch on machine to the OFF (0) position,** removing plug from mains supply. Allow machine to cool before storing it in dry conditions.

USING THE MINICOLT4 WHILST DISCONNECTED FROM THE POWER SUPPLY

Once the MiniColt4 has reached working temperature (i.e. the Green Temperature Neon has come on), the generator can be disconnected from the power supply and used to produce a large volume of dry smoke whilst being carried around by the operator,

The amount of dry smoke that can be produced in this mode depends upon where the MiniColt 4 is in its temperature cycle when it is disconnected. For best results leave the machine heating for about 15 minutes before use. This will have allowed the machine's heat exchanger time to stabilise, and will mean that the MiniColt 4 can still generate smoke around 1.5 minutes at full output within a 20 minute window after disconnection.

When using the MiniColt 4 whilst disconnected from the power supply, the quality of the smoke must be carefully observed. As soon as the smoke from the MiniColt 4 starts to thin and become slightly blue in colour, stop producing smoke and reconnect the MiniColt 4 to the power supply until working temperature is achieved once more. The MiniColt 4 may then be disconnected and used in its portable mode again. Follow SHUT DOWN procedure in OPERATION (5)

If hosing with the machine whilst disconnected from the power supply we recommend that you limit smoke use to < 60 secs of smoke, as it is difficult to monitor smoke quality

NOTE

This reheating cycle is important. If it is not observed, and the MiniColt 4 is not reconnected to the power supply when the smoke is seen to become thin and blue, the smoke will become wet, and damage will be caused to the machine.

HEALTH AND SAFETY

Copies of independent reports on the safety aspects of Concept smoke are available on request. The smoke produced by all Concept smoke generators has been rigorously tested to ensure that in normal conditions it is non toxic. Independent health and safety reports indicate that dense smoke concentrations can be entered without any serious health risk for short periods of time.

ROUTINE MAINTENANCE

NB - Remove plug from mains supply before undertaking any maintenance operations.

1. After each use follow instructions as in OPERATION (5)
2. After each hour (approx) of smoke production, using the drill in the pin chuck supplied, carefully insert the drill into the nozzle of the heat exchanger and gently drill out by hand any deposit, to a maximum depth of 25 mm.
3. Remove the cover from the machine occasionally and wipe away any condensate / deposit
4. If leakage occurs at the aerosol adaptor – (other than the small amount that occurs on canister removal) check 'O' Ring in aerosol insert for damage and replace if any sign of damage is present.

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