



## USE OF NON-MARTIN FLUID IN MARTIN/JEM SMOKE MACHINES

The use of non-Martin fluids in our products invalidates the warranty on the product and can cause a number of safety and mechanical issues.

Smoke machines are designed to 'burn' a certain fluid at a certain temperature to create a certain effect.

Different machines operate at different temperature ranges so we need different types of fluid to generate the required effect produced by that particular machine.

Some machines can operate over a wider range of temperatures and can therefore utilise a number of different fluids to create differing effects using a single machine.

This does not mean that the machine can use ANY fluid.

It has to be fluid formulated to 'burn' within the correct temperature range of the machine it is being used in.

Using the wrong fluid in a machine can result in the fluid exiting the machine either too HOT or too COLD.

Too HOT can result in a 'spitting' or 'squirting' of VERY hot fluid straight out of the output nozzle and onto whatever/whoever is directly in front/below the machine.

High power smoke machines can 'spit' a LARGE AMOUNT of fluid from the output nozzle (depending on the 'on' time selected or DMX signal sent to trigger it).

Too COLD can result in a 'wet' smoke (or no smoke...just fluid) which can cause burns on output and slipping hazards upon contact with a surface.

It can also lead to extra residue build-up on surfaces/inside lighting units/furniture/fittings etc...

From a mechanical/service point of view, the wrong fluid can also 'bake' in the heater (even though you may still produce some smoke) rather than 'burn' cleanly which **will block the heater** (sometimes very quickly) and possibly burn the pump out (mains voltage short circuit) which can in turn cause pcb components to fail/explode....**none of which is covered by the warranty!!**

**This information is also applicable to the use of our own smoke/haze fluids in other brands of smoke machines.**

*We strive to make the safest smoke machines possible and the use of Martin Fluids in our machines takes us one step closer to avoiding costly repairs/failures and also helps to avoid injuries in the venue!!*

For further information please contact [jem-service@martin.dk](mailto:jem-service@martin.dk)