

TOUR-HAZER II

Short manual

Dear Customer, we thank for your decision for a SMOKE FACTORY fog generator!
We sincerely hope that you future work with your SMOKE FACTORY fog machine will be successful and enjoyable. Thank you once again for your confidence in our product!

Scalding Hazard

- Very hot steam escapes from the nozzle. Danger of getting burnt. Occasionally very hot droplets of fluid may escape when in operation. Thus never aim at persons directly and keep a minimum distance of 3 m to the nozzle.
- Never touch the nozzle when in operation. Danger of getting burnt.
- The location for the machine must be non-flammable, non-combustible and not sensitive to heat. It has to be twice as big as the machine.
- Keep a minimum distance of 60 cm to all flammable, combustible objects and objects sensitive to heat.
- Glycol is alcohol and burns with a slightly bluish, almost invisible flame. Never point the fog at strong sources of ignition like fire or pyrotechnic effects.
- During operation small amounts of hot fluid-drops may emerge Therefore you should make sure, that these do not become a danger to anyone.
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General Safety

- Glycol is alcohol and burns with a slightly bluish, almost invisible flame. Never point the fog at strong sources of ignition like fire or pyrotechnic effects.
- The visibility has to be more than 2 m in rooms where people walk around.
- Never open the machine and leave the machine unattended when connected to a power supply.
- Do not swallow the fog fluid. Keep it away from children. In case of eye contact, rinse with a lot of water. Consult a doctor should you have accidentally swallowed some fluid.
- Fog may activate smoke detectors.
- Spilled fluid or splashed fluid droplets can cause slip hazard. Mop up the fluid and dispose of it according to regulations **SMOKE FACTORY fog fluids is an environmentally safe product and it can be recycled biologically.**
- Artificially-made fog can be produced in many different ways. The method used here to produce fog, with a device which works according to the vaporizer principle, is the most harmless one. No case has so far been reported in which a human being has been harmed because of using our device to produce artificial fog. However, this can only be guaranteed if the professional fog generators are used accordingly, i.e. at the correct vaporization temperatures as well as with the correctly mixed fog fluid.

We, however, recommend:

People with health problems or problems of the respiratory tract or with an inclination for allergies should avoid any contact with artificially-made fog.

Changing the fluid bottle

The Original SMOKE FACTORY TOUR-HAZER-FOG is available in 5- and 25-ltr.-cans and in 200-ltr.-barrels.

To guarantee trouble-free operation only Original SMOKE FACTORY TOUR-HAZER-FOG must be used.

Use of other liquids will void the manufacturer's warranty and can be dangerous to your health.

ATTENTION: The vaporizer of the SMOKE FACTORY fog machines does not have to be cleaned! Cleaners, available on the market, can damage the vaporizer! We cannot give any warranty in this case.

Disconnect the fluid tube from the lid by retracting the brass collar and removing the brass coupling

Remove the container from the tank housing of the **TOUR-HAZER II**

Unscrew the lid of the empty container and screw it onto the new container.

Place the full container into the tank housing.

Push the brass coupling into the brass collar, until you hear a click. The brass collar is now locked firmly.

Selecting the location

- The location in which the **TOUR-HAZER II** is to be operated must be dry.
- Free from dusty or polluted air.
- Free from vibrations.
- Located on a non-flammable place or surface.
- Well-ventilated with fog-free air keeping the ambient operating temperature between 5° C and 45° C and the relative air humidity below 80%.

Operating the TOUR-HAZER II

Attention: Never connect the TOUR-HAZER II to a dimmer or switchpack! This may destroy the machine.

1. Connect the power plug to the mains supply. Make sure that the correct voltage is selected.
P and two figures appear on the LED-display, e.g. (P33)
2. After 60 Seconds, the **TOUR-HAZER II** is heated up. Press the Enter-button once to start the haze process. The green Active-LED will be lit. After a short delay the machine will start to haze.
After 30 Seconds the display will go dark. To re-activate it, press one of the buttons on the display.

Operating in DMX-mode

For connecting the **TOUR-HAZER II** to a DMX desk, use the 5-pol- XLR socket at the control panel. As soon as the machine receives a correct DMX signal, the yellow DMX LED will be lit.

Attention:: The **TOUR-HAZER II** will need two channels on your desk! First Channel = Pump, second Channel =Fan

If you run the machine via a DMX desk you can adjust the pump and the fan directly from the desk from 1 to 99%.

The adjusted channel controls the pump, the following one controls the fan.

Adjust the required start address by pressing the Up- or Down-button.

Save the start address by pressing the Enter-button once. The start address will now also be saved when you disconnect the machine from the mains supply.

Analogue control

1. Put the cable of the desk or the cable remote into the XLR socket in front of the machine.
2. Put the pump up to 99% and adjust the required fan output at the machine
3. With the turnable button on the cable remote or with the fader on the analogue desk the pump output can be regulated.
4. Pressing the On/Off switch at the cable remote will start the haze process. The green Active-LED will be lit.

Attention: With analogue control the pump can be adjusted from the desk and/or the cable remote. The fan has to be adjusted at the machine.

- a) Press the Mode-button at the control panel until a P and two figures appear on the LED display). Put the pump up to 99%.
- b) Press the Mode-button at the control panel until an F and two figures appear on the LED display
- c) Adjust the desired data (1 - 99%) by pressing the Up- or Downbutton
- d) The data for the pump can be regulated/adjusted via the turnable button on the cable remote and the fader on your analogue desk.

Stand alone

The **TOUR-HAZER II** can be used in the Stand alone mode. In this mode all data for the pump and the fan must be adjusted directly at the machine.

- a) Press the Mode-button at the control panel until a P and two figures appear on the LED-display
- b) Adjust the desired data (1 - 99%) by pressing the Up- or Down-button
- c) Press the Mode-button again until an F and two figures appear on the display
- d) With the Up- or Down-button the fan data can now be adjusted.
- e) Press the Enter-button once to start the machine. The green Active-LED will be lit.

Timer mode

With the internal timer, the haze time and wait time can be adjusted in minutes (0 - 99), the pump and fan output can be adjusted in per cent (0 - 99).

To start the Timer-Mode, press and hold the Mode button for more than 2 seconds. The red Timer/Profile-LED will blink as soon as the machine has switched to the Timer-Mode. As long as the timer is in operation, the red Timer/Profile-LED will blink

The adjusting of the output, haze time or wait time is the same as in the Standard-Menu. This means you have to press the Mode button repeatedly until you reach the required function.

With the Up/Down buttons you can adjust the required functions, then press the Enter button to start the timer. Please note that P and F control Pump and Fan, whereas P. and F. control Pause time and Haze (Fog) time.

The timer cycle starts with the time shown on the display when you press the Enter button (e.g. P.xx = Starts with wait time, F.xx = Starts with haze time). The timer cycle will not start if you press the Enter button while the pump or fan output setting is shown on the display.

You can switch back to the Standard-Menu by pressing the Mode button for more than 2 seconds or by pressing the Mode button repeatedly until „ESC“ is shown on the display and then press the enter button once.

Switching the device off

1. Press the Mode-button until „OFF“ appears on the display. After 15 Seconds the machine will switch off automatically. On the right bottom edge of the display a red decimal point will appear.
You can also switch off the machine within these 15 Seconds by pressing the Enter-button
2. When you switch off the DMX signal, the machine will be switched off automatically after 15 Seconds.

Attention:

Please make sure that the **TOUR-HAZER II** will not be disconnected too early to allow the fan to run until the device has cooled down. This will ensure that no fluid remains in the vaporizer to come out as droplets when the device is switched on next time.

Cleaning, Care and Maintenance

- Remove the filter, which protects the fan against dust and dirt, from time to time and clean it.
- After several hours of operation, some droplets of condensation will have formed at the nozzle. That is normal and not a malfunction.
Attention: Remove fluid droplets at the nozzle only when the machine has completely cooled off. During operation the nozzle gets very hot!
- Do not let the **TOUR-HAZER II** run without any fluid as the pump will run dry.
- Check the state of the fluid filter from time to time and clean or replace it if necessary.
- **Attention:** The vaporizer of SMOKE FACTORY fog machines does not have to be cleaned! Cleaners, available on the market, can damage the vaporizer! We cannot give any warranty in this case.

Troubleshooting

Trouble: The pump runs, but little or no haze is produced.

Cause: The pump sucks no or too little fluid.

Check whether the canister is empty

- Check whether the brass collar is properly connected with the brass coupling
- Check whether the fluid filter in the canister is clogged
- Check whether the fluid tube is twisted or defective

Trouble: The yellow LED at the machine does not light up (only when running via DMX)

Cause: Connection from the machine to the desk is faulty.

- Check whether the plug is plugged in correctly
- Check whether the cable is defective
- Check whether the DMX start address is adjusted correctly

Trouble: During operation the **TOUR-HAZER II** fails to work for a long time

Cause: The overtemperature protection device is activated.

- Check whether the fan is clogged

Trouble: E-4 appears on the LED display

Cause: The machine is getting too hot. The heating switches off and the machine cools down.

Solution: Disconnect the machine from the mains supply for a moment and then re-connect it.

Trouble: E-8 appears on the LED display

Solution: The vaporizer is clogged.

Cause: Please send the machine to the us or your local dealer.

Trouble: E-1 appears on the LED display

Solution: Please send the machine to us or your local dealer.

Specifications

Procedure:	Haze machine without compressor
Power requirement:	1500 Watt
Voltage:	230 V/ 50 Hz
Warm up time:	approx. 60 Seconds
Fluid tank capacity:	5 liters
Integrated Fan:	> 6000 l/min.
Haze density:	Controlable from 1% to 99%
Control:	DMX 512 0 - 10 V analogue cable remote (as option) stand-alone Integrated timer
Dimensions:	533mm x 248mm x 442mm

Warranty conditions

For the fog machine **TOUR-HAZER II SMOKE FACTORY** guarantee is:

1. Free of charge, subject to the following conditions (No. 2 - 6) we will repair any defect or fault in the unit if it is caused by a proven factory fault and has been advised immediately after appearance and within 24 month of delivery to the end user. Insignificant deviations of the regular production quality does not guarantee replacement rights, nor do faults or defects caused by water, by generally abnormal environment conditions or Force Majeure.
2. Guarantee Service will be done in the following way: Faulty parts will be repaired or replaced (our choice) with correct parts. Faulty units have to be brought to us or our service centres or to be sent to us or our service centres at customer's expenses. The invoice and/or receipt showing the purchase date and the serial number has to come with the faulty unit, otherwise this will not be guarantee service. Replaced parts become our property.
3. The customer loses all rights for guarantee services, if any repairs or adjustments are not done to the units by unauthorized persons and/or if spare parts are used which are not approved by us. The right of guarantee service is also lost if fluids other than Original SMOKE FACTORY TOUR-HAZER-FOG have been used or if units are sent to us with full fluid bottles.
Also non compliance with the instructions in this manual or mistakes by incorrect handling/ treating of the machine will lead to a loss of guarantee and also any faults and damages caused by undue force.
4. Certain parts of the machine are „consumable parts“ and are not covered by the warranty.
5. Guarantee services do not cause an extension of the guarantee time or the start of a new guarantee time. The warranty for replaced parts ends with the guarantee time of the whole unit.
6. If a defect/fault can not be repaired by us in a satisfactory time, we will, within 6 months after sale of the unit, on choice of the customer, either:
 - replace the whole unit for free or
 - refund the lesser value or
 - take back the whole unit and refund the purchase price, but not more than the usual market price at the time of the refund.
7. Further claims, especially for damages, losses etc. outside the unit are excluded. Other guarantee regulations may be valid outside Germany. Please check with your dealer!

If you should send the unit for service, do not forget to remove any liquid from the fluid bottle!

