

SMOKE  
FACTORY  
FOG & HAZE MACHINES

2018

ENGLISH



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„We provide high quality services and offer any advice  
on choosing the proper fog or haze generator“

MARIO RINCON, MANAGING DIRECTOR



# WELCOME

## **Welcome to the FOG, SMOKE & HAZE FACTORY!**

**Learn all about SMOKE FACTORY-products  
with this booklet.**

SMOKE FACTORY is the leading innovator and one of the most distinguished manufacturers of high quality fog machines.

Made in Germany.

SMOKE FACTORY-products are designed for efficiency, and are sophisticated, feature-packed and reliable, ensuring their owners a high return on their investment.

SMOKE FACTORY fog generators offer everything the technical professional is looking for.

# COMPETENCE

ADDICTED TO FOG, SMOKE & HAZE

**Quality standard – made in Germany**

The fog generators of the SMOKE FACTORY are the result of many years of experience and continuous development in the field of artificial fog and haze. The development, construction and production operations are performed in our factory in Hanover, West Germany. The professional cooperation of all departments creates substantial synergy effects, which ensure sustainable solutions even in the future: A SMOKE-FACTORY device can always be used simply and safely.

Additionally SMOKE FACTORY offers both, complete and customised solutions. The SMOKE FACTORY staff is highly qualified and delivers perfect service with deserved expertise and experience.

# INNOVATIONS

## OF THE SMOKE FACTORY



### These are, for instance:

- Transportability
- leak proof
- flightcase
- fluid can quick-lock coupling
- 0-10 Volt control
- DMX/wireless DMX control
- radio remote control
- XLR connectors
- electronic temperature control
- minimal noise development
- several nozzles
- independent energy supply
- water-based haze
- IP64 fog machine
- continuous fluid supply
- BGV C1 certified fog-system



**SMOKE FACTORY  
SPOCK**

CAUTION!  
EXTREMELY HOT  
VAPOR AND  
NOZZLE AREA  
DO NOT TOUCH

## Blackout.

The audience is looking  
spellbound on the stage.

The orchestra peacefully starts to play,  
the light goes on and suddenly  
the stage is filled in thick fog.

As silent as no other machine,  
the Spock is able to produce huge  
amounts of fog with its 3,1 kW power.

With two different sizes of pumps,  
it is possible to have a very precise  
adjustment of the output –  
like no other machine.



# SPOCK

MAY THE FOG BE WITH YOU

## **Nebel – quieter than ever**

The SPOCK is the second machine from Smoke Factory equipped with new digital technology and a touch display. In addition to the new nozzle, which achieves a volume reduction of up to 20 %, the SPOCK is equipped with features such as a characteristic curve adjustment and an hour meter for heating and running time. By using two different fluid pumps, the SPOCK delivers a constant and even fog at the lower output levels.

**Procedure:** vaporizing fog generator

**Power:** 3100 Watt

**Power requirement:** 230 V/50 Hz (also available as 110 V)

**Weight (without fluid):** 15,7 kg

**Fluid Consumption:** 253 ml/min. (max. output), 54,5 ml/min. (continuous)

**Fog time:** ca. 55 sec. (100 % in extended mode), ca. 22 sec. (100 % impulse mode)

**Control Choices:** stand alone, analog 0-10 V, sACN, ArtNet, timer

**Aufheizzeit:** ca. 15 minutes

**Temperature control:** microprocessor-controlled

**Position:** vertical (not on filter side)/horizontal



SMOKE FACTORY  
**TOUR-HAZER II**

SMOKE FACTORY  
TOUR-HAZER II

CE

SMOKE FACTORY  
TOUR-HAZER II  
2007-11-08

# TOUR HAZER II

MADE IN GERMANY

## On tour with the perfect hazer

DMX-control, variable haze output and fan speed. Latest processor technology. Flightcased for easy packing and transportation. Laminated Amptown Flightcase (TOUR HAZER II-A), Standard Plywood Flightcase (TOUR HAZER II-S) or black laminated case (TOUR HAZER II-SF Black) with compartment for 5 litre fluid can. Creates a fine haze, filling the air with a perfect "Designer Mist". Perfect environment for beam effects & moving light shows. The world's first BGV C1-certified fog system.

**Procedure:** hazemaker based on vaporizing fog generator

**Power:** 1500 W

**Power requirement:** 240 V/50 Hz (110 V version also available)

**Weight (without fluid):** 16,5 kg (S/SF/A), 14,1 kg (BOXED)

**Fluid consumption:** 5 litres, 120 hours at 50 % output

**Fluid bottle capacity:** 5 litres

**Control choices:** DMX 512 + stand alone, timer

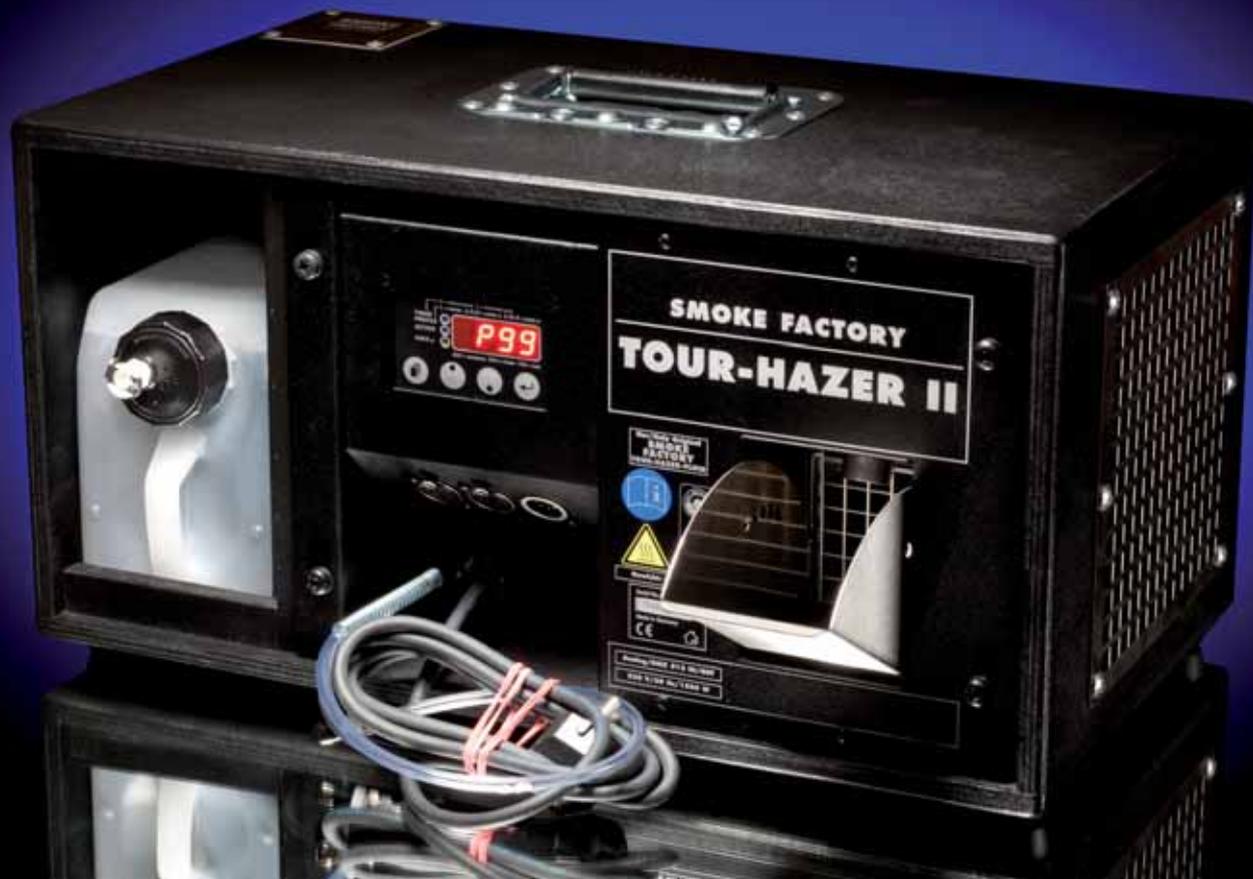
**Warm up time:** ca. 60 seconds

**Temperature control:** electronically

**Ambient temperature:** 5° C to 45° C (41° F to 113° F)

**Position:** vertical (not on filter side)/horizontal

The new Tour Hazer „boxed“ version is now available. For all those, who want a professional haze generator, but do not need a case for touring around the world. The „BOXED“ version of the Tour Hazer II comes in a compact and robust wooden box with a slot for a 3-ltr. bottle.



# TOUR HAZER II

MADE IN GERMANY

TOUR HAZER II  
„PHENOL“



TOUR HAZER II  
„BLACK“



TOUR HAZER II  
„AMPTOWN“





⚠ HOT ⚠  
Do not touch  
any part of  
this device

100012C  
100012C

# SCOTTY II

„BEAM ME UP, SCOTTY“

**Warm up time: 1 sec.**

Successor of the legendary “green” SCOTTY I. Now without preheating-time. Battery-operated, independent from mains. Handy, easy to operate, Flow Control. 400 Watt, rechargeable battery 12 V/12 Ah, Warm up time: 1 sec. Fog time with one loaded battery: 10 min. continuously fogging or 150 bursts of 5 sec. each. Control choices: By fog release button, analogue through 3-pin-XLR-socket, radio remote control (optional), DMXcontrolled (optional).

**Procedure:** Vaporizing fog generator

**Power:** 400 W

**Power requirement:** 12 V via battery (charger 240 V/12 V)

**Weight (incl. battery):** 5,75 kg

**Fluid bottle capacity:** 250 ml

**Fluid consumption:** approx. 10 ml/min. (max. output)

**Warm up time:** 1 sec.

**Fogging time on battery:** 10 min. continuous or 150 bursts of 5 sec. each

**Control choices:** XLR Remote, DMX Box, timer

**Standby time:** 250 h





# SPACEBALL II

## HIGHTECH IN A LITTLE BOX

**Ideal for small and medium jobs,  
dry hire, party, Top 40, mobile DJ**

Small and compact, but packed with latest digital technology: DMX, microprocessor, timer, digital display. Reasonable output but low power consumption. Flightcase included.

**Procedure:** vaporizing fog generator

**Power:** 650 W

**Power requirement:** 230-240 V/50 Hz

**Weight (without fluid):** 7,85 kg

**Fluid tank/bottle:** 750 ml

**Fluid consumption:** 60 ml/min. (max. output), 15 ml/min. (continuous)

**Fog time:** approx. 30 sec. (100 % output), continuous < 45 %

**Control choices:** DMX 512, 0-10 V, timer, stand alone

**Warm up time:** approx. 7 minutes

**Temperature control:** microprocessor-controlled

**Position:** vertical (not on filter side)/horizontal





# CAPTAIN D.

## A REAL CLASSIC

### The „classic“ fog generator with power, now with digital technology

230 V/1300 W. Very high fog emission. Flow control between 1% and 99% by using Up-/Down buttons. Radio remote control and cable remote optional. Continuous fogging possible with reduced output. Tube, tube connector and hanging set as options.

**Procedure:** vaporizing fog generator

**Power:** 1300 W

**Power requirement:** 230-240 V/50 Hz (110 V version available as well)

**Weight (without fluid):** 9,7 kg

**Fluid consumption:** 120 ml/min. (max. output), 35 ml/min. (continuous)

**Fog emission:** between 1 % and 99 %

**Fog time:** 40 sec. (100 % output), continuous < 50 %

**Control choices:** DMX 512, 0–10 V, timer, stand alone

**Warm up time:** approx. 7 minutes

**Temperature control:** microprocessor-controlled

**Position:** vertical (not on filter side)/horizontal





# DATA II

## NEW GENERATION

### The new generation of the „classic“ fog generators

Digital power fog machine with two pumps. 230 V/ 2600 W. Connector for controlling a fan of up to 800 W, extremely high fog emission, flow control between 1% and 99% by using Up-/Down buttons. DMX, timer and tube connector as standard. Continuous fogging possible.

**Procedure:** Vaporizing fog generator

**Power:** 2600 W

**Power requirement:** 230-240 V/50 Hz

**Weight (without fluid):** 12,8 kg

**Fluid bottle capacity:** 5 litres

**Fluid consumption:** 240 ml/min. (max. output),  
70 ml/min. (continuous)

**Fogging time:** 40 sec. (100 % output), < 50 % continuous

**Control choices:** DMX 512, 0-10 V, timer, stand alone

**Warm up time:** approx. 7 minutes

**Temperature control:** microprocessor-controlled

**Position:** vertical (not on filter side)/horizontal





# COVER CASE

DATA II & CAPTAIN D.

## The fastest solution for touring and hanging

A transport case for Smoke Factory Data II and Captain D. as compact solution. Solid flight-case „made in Germany“, the first one with optional hanging set. Perfect for rental and touring jobs, with black lamination.

**one case:**

designed for Captain D. or Data II

**optional hanging set:**

mounted on the machine.

Fast setup and ready to hang on the truss

**compact design:**

transportable in the case without dismounting

**retaining bolts:**

for uncomplicated and solid angle adjustment





# CAPTAIN D. CASE

## FLIGHTCASE AS STANDARD

### **Power, digital technology, flightcase and tube connector as standard**

230 V/1300 W. Very high fog emission. Flow control between 1 % and 99 % by using Up-/Down buttons. DMX as standard. Radio remote and cable remote optional. Continuous fogging possible with reduced output.

**Procedure:** vaporizing fog generator

**Power:** 1300 W

**Power requirement:** 230-240 V/50 Hz (110 V version available as well)

**Weight (without fluid):** 19,2 kg

**Fluid consumption:** 120 ml/min. (max. output), 35 ml/min. (continuous)

**Fog emission:** between 1 % and 99 %

**Fog time:** 40 sec. (100 % output), continuous < 50 %

**Control choices:** DMX 512, 0-10 V, timer, stand alone

**Warm up time:** approx. 7 minutes

**Temperature control:** microprocessor-controlled

**Position:** vertical (not on filter side)/horizontal





ENTERPRISE FACTORY  
**ENTERPRISE TC4**  
CAUTION  
HANDLE WITH CARE



# ENTERPRISE TC4

## STATE-OF-THE-ART

### The state of the art-Touring unit with latest digital technology

Digital power fog machine with two pumps, built-in an Amptown-Flightcase. 230 V/2600 W. Connector for controlling a fan up to max. 800 W, extremely high fog emission, flow control between 1 % and 99 % by using Up-/Down buttons. DMX, timer and tube connector as standard. Continuous fogging possible. Radio and cable remote optional.

**Procedure:** Vaporizing fog generator

**Power:** 2600 W , power fan (option) max. 800 W

**Power requirement:** 240 V/50 Hz

**Weight (without fluid):** 23,4 kg

**Fluid bottle capacity:** 5 litres

**Fluid consumption:** 240 ml/Min. (max.output), 70 ml/Min. (continuous)

**Fogging time:** 40 sec. (max. output), continuous on < 50%

**Control choices:** DMX 512,0-10 V, timer, stand alone

**Warm up time:** approx. 7 minutes

**Temperature control:** microprocessor-controlled

**Position:** vertical (not on filter side)/horizontal





# FAN FOGGER

## HIGH POWERED FOG

### For demanding lighting designers

2600 W, 230 V. High powered fog and haze generator with integrated wind machine in Amptown flightcase on wheels. Fog/Haze generator and fan/wind machine DMX-controllable. Integrated fluid canister holder for two 5-ltr. cans. Perfect distribution of fog or haze for light and laser shows in larger halls, arenas or open air.

**Procedure:** Vaporizing fog generator plus windmachine

**Power:** 2600 W vaporizing fog generator/1060 W windmachine

**Power requirement:** 240 V/50 Hz

**Weight (without fluid):** 69,2 kg

**Fluid bottle capacity:** 2 x 5 litres

**Fluid consumption:** 240 ml/min. (max.output),  
70 ml/min. (continuous)

**Fogging time:** 40 sec. (max. output), continuous on < 50%

**Control choices:** DMX 512,0-10 V, timer, stand alone

**Warm up time:** approx. 7 minutes

**Temperature control:** microprocessor-controlled





## SMOKE FACTORY

FIRE TRAINER - P 64

SMOKE FACTORY  
FIRE TRAINER



# FIRE TRAINER

WATERPROOF

## The new IP64 fog machine delivered in a robust stainless steel case

High Output with 2300 Watt gives every outdoor event a great atmosphere. Easy to use, thanks to a 3 step switch. Stainless steel frame as option.

**Procedure:** Vaporizing fog generator

**Power:** 2300 W

**Power requirement:** 240 V/50 Hz

**Weight (without fluid):** 12,1 kg

**Fluid bottle capacity:** 5 litres with frame

**Fogging time:** 40 sec. (max. output), continuous on < 50%

**Control choices:** 0-10 V, stand alone

**Warm up time:** approx. 7 minutes

**Temperature control:** microprocessor-controlled

**Ambient temperature:** 5° C to 45° C (41° F to 113° F)

**Ambient humidity:** max. 80% rel. humidity, not condensing





Silent and mystical the low fog

is crawling over the floor.

After a period of regeneration it is finally back.

The famous CARPET CRAWLER by SMOKE FACTORY

returns with a new design and new features.

With just one finger you can change your low fog

via DMX from a thin flat carpet to a knee-deep

and overwhelming special effect for big shows.

This is made possible by a new air supply system.



# CARPET CRAWLER

YOU'VE GOT TO GET IN TO GET OUT

## Low fog exactly how you need it

As the first machine of a new generation, the CARPET CRAWLER has a user friendly touchpad. Changes are easy and intuitive.

**Procedure:** CO<sup>2</sup> fog cooler

**Power:** 65 Watt

**Power requirement:** 90-240 V AC with PowerCON True1

**Weight (only CO<sup>2</sup> cooler):** 9,78 kg

**Weight (with case):** 21 kg

**Weight (with Data II, without case cover):** 35,54 kg

**Weight (with Data II and closed case):** 47,34 kg

**CO<sup>2</sup> consumption:** adjustable in 3 steps, 1, 2 or 3 kg/min.

**Running time:** continuous cooling possible

**Control choices:** DMX 512, 0-10 V analog, Ethernet, stand alone

**Position:** vertical (not on filter side)/horizontal



# FANAX

UNLEASH YOUR STORM VIA DMX

## High power, high strength, high quality

The new axial-fan for professional users. Powerful, reliable, solid and of a high quality, exactly what a technical professional is looking for. Perfect to spread fog in wide areas, on open air stages, or for use as classical high-performance wind machine. Adjustable from 1% - 99%.

**Type:** axial fan

**Power:** 850 W

**Power requirement:** 230 V/50 Hz

**Weight:** 30 kg

**Wind strength:**

up to 11 m/s (wind strength 6) in 2,5 m distance to the fan

**Control choices:**

DMX 512, DMX RDM, 0-10 V analog, stand alone

**Installation choices:**

due to its 12 mm drilling at the mounting, easily installable on a tripod or truss

1



2



3



4



# ACCESSORIES

## ANYTHING IS POSSIBLE

**Scotty II transport case** The black laminated Scotty II carry case holds the fogger, spare battery, XLR Remote II, latest generation radio remote control, XLR cable and 1 liter Scotty II fog. (1)

**Hanging set** for Captain D. and Data II (2)

**Radio remote control:** hand transmitter with release button & codeable receiver. Releases fogging process at the pre-set output-volume, but no output control/output change via radio. For all SMOKE FACTORY fog and haze generators with analogue XLR input. (3)

**Cable remote:** Release mechanism and flow control, connection: XLR, for all SMOKE FACTORY fog and haze generators with analogue XLR input. (4)

**Time W.A.R.P.:** programmable digital timer, controlled by microprocessor. Precise input of waiting time (1 sec. – 100 min.), of the fogging time and amount of fog (0% -100%). Automatic start possible. Separate programmable flash key, clear digital display. Usage: can be used on all SMOKE FACTORY fog and haze generators with analogue XLR input.

**DMX box:** DMX to analogue converter. 1 channel, convert 1 DMX signal into 1 analogue 0-10 V signal. Usage: DMX control for all analogue („old“) SMOKE FACTORY fog generators except Scotty, but for all other DMX/ analogues transformations as well.

**Additional accessories:** **charger** for Scotty; **Canister Lid** for 25-ltr-container (all products except Tour Hazer Boxed, Scotty II + Spaceball II); **Ducting Connectors** for Captain D., Scotty II and Spaceball II; **Ducting** for Enterprise, Data II or Captain ; 100 mm diameter.



# FOG FLUIDS

7 types of fog-fluids with different characteristics. Guaranteed for all the eight: guaranteed purity of content, substances adhering to DAB (German Medicine Book) and USP (U. S. Pharma). Clearance certificate and DIN Safety Data Sheet, oil-free, fully soluble in water, biologically degradable, inflammable. Permanent quality control. Available in 5- and 25-litre-containers and a 200 litre barrel. Attention! Wrong fluid can destroy your machine and deletes the warranty. With the right fluid for the right machine, quality-controlled and certified, you will always have the lowest expense at the end of the day.

**Fast-Fog Extra III:** extremely fast dispersing fog fluid for a CO<sup>2</sup> like effect

**Fast-Fog:** very fast dispersing fog liquid

**Super-Fog:** long-lasting standard fog fluid

**Heavy-Fog:** extremely long-lasting fog-fluid, especially high raw-material content for large halls and open-air

**Heavy-Fog PLUS:** a special development for the rescue and security sector. It creates a very white and cloudy fog, which is extremely long in the room. It is very heat resistant to standard fluids, which does not dissolve too quickly at high temperatures.

**Crawling Fog:** special fluid for „Carpet Crawler“

**Scotty II-Fog:** special fluid for „Scotty II“ (the new, black model)

**Tour-Hazer-Fog:** special fluid for „Tour-Hazer“ and „Tour Hazer II“

# SERVICE

## Service and After Sales

SMOKE FACTORY products are designed for life. Many of our clients have successfully been running their machines on 200 or more rental jobs a year since 1989 or 1990. SMOKE FACTORY fog-generators can be repaired, if it should ever be necessary. We keep a stock of spare parts and have a dedicated service team.

Our attitude maybe conservative, but we love to manufacture reliable „sloggers“. A taxi driver will buy a particular car (i.e. a Mercedes Diesel) because he wants to make money and a lot of kilometers for many, many years. That has always been our shining example: We want you to be able to rely on our machines and to make money with them for a long time.

And, according to the taxi driver, we recommend a service inspection from time to time. Your equipment will pay back with an even longer lifetime.

**Your FOG, SMOKE & HAZE FACTORY team**

# PHILOSOPHY

## The Philosophy

Concentrating on our strength: vaporizing fog generators for all applications. User-friendly. Safe. Robust. Professional equipment, designed and made in Germany with an excellent reputation for reliability.

## The Innovations

0-10 Volt control, DMX control, transportability, flightcase, electronic temperature control, minimal noise development, several nozzles, XLR connectors, independent energy supply, water-based Haze and much more: All these innovations are synonymous with the name SMOKE FACTORY. Many of them were copied by others and so have become standards.

## The Product Range

Far-reaching and carefully thought-through. From the small battery operated „Scotty“ to the „Fan Fogger“ with integrated wind machine. From the whisper silent „Data II“ to the powerful „Captain D.“. And from user-friendly „Tour Hazer“ to the tour professional „Enterprise TC 4“.

# HISTORY

With a background of 20 years experience in the area of stage, film, TV and special effects, Florian von Hofen founds the SMOKE FACTORY in 1990 – mainly driven from dissatisfaction about the poor quality of most existing fog machines at that time. The first SMOKE FACTORY-product, the ENTERPRISE TC 2, is being developed, a unit, which can be transported and taken on tour, can easily be controlled and operated. During Prolight + Sound 1990 the ENTERPRISE TC 2 is presented to the public for the first time – and immediately becomes state-of-the-art for the rental industry. „TC 2“ stands for „TeleCommand“, because the machine introduced a wireless remote control as well.

During the following years a distribution network is being built up and, in parallel, new machines are being developed continuously, often following suggestions from clients: The battery-operated SCOTTY, the fog-/windmachine-combination FAN FOGGER, MR. MISTER as first oil-free Hazer and TOUR-HAZER as today's standard Hazer on all kinds of concerts and events, the IP64 fog machine FIRE TRAINER or the PUMPING STATION for continuous fog fluid supply.

In 2012 Mario Rincon becomes managing director of the SMOKE FACTORY. 2014 the company relocates to a bigger and company owned building with a huge warehouse and showroom.

## SIMPLY THE BEST

SMOKE FACTORY SINCE 1989

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