

FLAME JET[®]

DMX-controlled Flame-effects

- > **Tongues of Flame or Fireballs up to 4 m**
- > **Highest safety at simultaneously strong effect**

The first effect device that produces big flame effects without - critical on the stage - propane bottles!

The SAFEX-FLAMEJET[®] is a new effect device for the stage. It produces in an extraordinary safe and nevertheless very effective way real and impressive, bright shining tongues of flame and fireballs, practically smokeless.

In contrast to most other fire-effect devices the SAFEX-FLAMEJET[®] works with an aerosol can which contains the propellant/fuel mixture.

The content of the aerosol can of 380 g is sufficient to produce a large number flames or fireballs. It is made sure at the same time that so only a very limited amount of dangerous substance is on the stage or in the device.



For the professional use the device is equipped with DMX 512 connections (DMX-In and Slave-Out). For the function an "arming"-channel, a firing channel and a flame duration channel is necessary. In addition, the device is equipped with preselectable effect programs. It can produce **automatically rhythmic tongues of flame and fireballs** and however can be controlled also problem-free by DMX for arbitrary tact pulse rates. A hand remote control is available for users on low voltage basis who do not have any DMX control.

The **SAFEX-FLAMEJETTT®** is provided **SAFEX®** typical with a very high level of security that sets standards. Comparable devices, particularly of far-eastern origin have in contrast no or only very limited safety features and do often not correspond with EU-regulations.

Due to the **high, integrated safety** it needs no gas effect specialist or corresponding hardware. Every reliable stage technician can install one or several **SAFEX-FLAMEJETTTs®** considering the instructions within minutes.

The arming of the device (7 sec. before) is indicated at the rear side of the device by a well perceptible **flashing signal**, so that the persons present on the stage recognize, that the fire effects directly approaching.

The aerosol can is installed into the device feather loaded and self-sealing which for certain prevents leakages.

The **SAFEX-FLAMEJETTT®** is equipped with an **electronic supervision** for the flames and control valves in a double, redundant way. This provides permanently a safe function.

The **stop valves exist twice** and are checked ongoingly on tightness. A flame expulsion not to be stopped is practically impossible. The ignition is very reliably carried out electronically/electrically with a security-insulating transformer.

Also the **output of unburned fuel is prevented safely**. In case of a but improbable ignition failure the device switches off the fuel supply within 1 sec. In the same way will be handled also an after-burning. It will be detected and durably indicated as a malfunction.

Five **SAFEX-FLAMEJETTT®** in a row



The device is extremely stable and safe manufactured from powder-coated, galvanized steel sheet. It is determined for long use and rough tour business. The aerosol can is protected very well against exterior influences, so that with rule-fair action **also pyrotechnic effects can be used together** with the effect device. A fastening is provided for a safe state on the stage floor.

Due to the aerosol cans the **fire burden** is **considerably lower** even by use of more than one devices than with the technology usual up to now.

Microprocessor electronics supervises all functions ongoingly and if necessary reports also small appearing faults if these recur repeatedly (Memory function).

The aerosol can does not have any spraying head and is equipped with a valve-protecting cap so that an **inadvertently discharge** of the content meanwhile transportation and handling will be **almost impossible**.

Very simplified conditions apply Europe-wide **for storage and transportation of aerosol cans** of limited quantities (up to several hundred pieces).

The use of the device is a fire effect in the sense of meeting place regulations, the **coordination with the fire department** is required. **Explosive-law regulations are not applicable!**



Technical Data **SAFEX-FLAMEJETTT® V.3.0**

Electricity supply:	230 V AC
Current consumption:	90 VA
Measurements:	Height: 426/526 mm with flame outlet, width: 223 mm , depth: 2,50/300 mm (with stage floor fastening)
Weight:	about 8.4 kg
Operating temperature:	from 5°C to 45°C (storage max. -10°C)
Operating supplies:	SAFEX-FLAMEJETTT®-Cartridge (aerosol can of 380 g)
Flame height:	Standard approx. 4 m (nozzle no. 3) nozzles for a lower flame height are available on request
Number of effects:	approx. 450 small fire-balls or 120 tongues of flame of 3 m or 70 long tongues of flame of 3,5-4 m with one SAFEX-FLAMEJETTT®-Cartridge , released with 1-2 sek. of delay.
Safe distances:	for persons and inflammable objects lateral 2.5 to 3 m, vertically upwards depending on ceiling material or decoration-equipment 6 to 8 m .
Terminals:	2 x 5-pole DMX-XLR, 2 x 3-pole XLR
DMX channels:	3 x (Arming, firing, flame duration)
Power connection:	fixed rubber cable with Euro-standard plug, 3 m
Protection type:	Class I - IP 20 , for interiors
Standards:	Device and aerosol can comply to German and European standards (CE marked, EMV-conformity, RoHS-conformity, B2B device; (RL 75/324/EWG, TRG 300)