

FOS

technologies

FOS Water Low Fog 2000



PRODUCT SPECIFICATIONS

TECHNICAL SPECIFICATION

FOS Water Low FOG 2000 is a low fog machine. It doesn't need any Co2 or Dry Ice to work, only water and a fog water based liquid type of your choice. It is based to **Ultrasonic Atomization** method for producing the low fog effect. Inside of the main tank, there are devices with *piezoelectric disks*, which must be covered with water. Water level is being controlled automatically by an electrical pump. While in operation, the piezoelectric disks are electrically vibrating to ultrasonic frequencies, causing the water above them to break up in to droplets, creating the 'mist' effect. Then they are overflowing with the help of an internal fan from the main fog outlet.

In the white tank on the upper side of the device, you can add the fog liquid of your choice* (light, standard, heavy, CO2 simulation) depending on the project you're working on, in order to give on the effect different dimension, intensity and duration.

**Professional liquid will provide maximum intensity of the effect, but afterwards the smoke will be scattered around the area. With Co2 simulation liquid you will avoid filling the area with smoke, while you will still have the desired low fog effect. The smoke volume can be always controlled independently via DMX or on board.*

Voltage: 220 Volt AC, 50/60 Hz.

Power Consumption: 1200 Watt.

Type: Low fog machine

Control: Stand Alone, Wireless Remote, DMX512

DMX Channels: 2 (fan speed, fog volume).

Protection Class: IP20 (for indoor use only)

Dimensions: 320 x 590 x 410 mm.

Weight: 25 Kg

SAFETY WARNING

This product must be installed by a qualified professional. All maintenance must be carried out by a qualified electrician. A minimum distance of 0.5 m must be maintained between the equipment and a combustible surface. The product must always be operated in a well-ventilated area. Always disconnect the power before carrying out any maintenance. The earth must always be connected to the ground. Ensure that all parts of the equipment are kept clean and free of dust.

PROTECTION AGAINST SOLIDS AND WATER

Only for IP-rated fixtures

The protection level of a housing is set by applied standards. For classification there is used the IP-Code. It contains the declaration „IP“ and two following numbers. The first number characterizes the protection against harmful effects of solids, the second is rating the water protection. It is important to distinguish whether encapsulation and harmful effect! There can be housing that is not capsuled completely but still avoids harmful effect of solids or water.

PROTECTION EXAMPLES:

IP20: Protection against intruding objects >12,5mm „Finger protected “; No waterproofing. **TYPICAL PROTECTION FOR INDOOR USE FIXTURES**

IP33: Protection against intruding objects >2,5mm; Falling water within an angle of 60° has no harmful effect **TYPICAL PROTECTION OF LED-LIGHTS USING RECESSED POWERCON AND DMX SOCKET.** This protection is linked to the mounting position of the fixture and always refers to typical mounting situation like a Floor spot used standing on the ground.

IP54: complete protection against solids and low-pressure water from any side **THIS TYPE OF FIXTURES CAN BE USED UNDER NORMAL OUTDOOR CONDITIONS.**

IP65: shielded against dust and pressurized water from any side. **TYPICAL PROTECTION FOR OUTDOOR RATED EVENTFIXTURES USING WATERPROOFED POWER AND SIGNAL LINK.**

IP67: shielded against dust and protected for accidental briefly submerge. **PROTECTION AGAINST ACCIDENTIAL SUBMERGING ON TEMPORARY FLOODED AREA.**

TEMPORARY USE

Event equipment is designed for temporary use. This are typical purpose as concerts, festivals, theatre, clubs and disco use and referable venues. Long-term use, specially under outdoor conditions and fixed outdoor installation can bring damage in aging materials and affect the coated surface. Sealings as well as

cables are made from rubber material and will age by long-term UV-emission as sunlight and should be checked frequently.

LIMITATIONS OF IP PROTECTION

IP-Rating doesn't mean unlimited outdoor use and protection against any kind of environmental influence! Especially sunlight and included UV will bring accelerated aging. Some fixtures need special parts or processes to fit the rated IP-Protection, like mounting covers or caps or similar. Sealings and other plastic or rubber materials are aging parts. They must be checked frequently to ensure the protection and safety of the fixtures. Also specified torque of screws can affect protection!

Installation

Floor: The fixture can operate only on floor position, on its integrated flight case with wheels. Use the breaks to stabilize the device on the floor. Drain the water from the tank via the two draining pipes and cover the device after use.



NOTE! If the signal cable is over 60 m between the DMX512 controller and fixture or between two fixtures, then a DMX signal amplifier is needed as well.

Channel Modes

2 Channels

1. **Fan Speed:** 0 – 255 Gradual speed adjustment from zero (slower output) to max.
2. **Smoke Output:** 0 – 255 Linear adjustment of volume fog output from zero to maximum.

Water refill



The device will not operate without the proper amount of water in the main tank. Fill the tank until the volume reaches the marked as maximum level.

Package contents

- Extension hose for the fog output.
- Remote control.
- Remote control receiver (must be connected on the fog machine).
- Fog output nozzle.

General Information

Replacing a fuse:

Always disconnect the fixture from main power before replacing a fuse. Use only the appropriate fuse, with the same type and rating, as the one mentioned on the device. A fuse with different rating, can damage the fixture in case of failure.

Risk of electric shock and / or fire:

The fixture must be earthed, supplied always with its nominal voltage and cleaned periodically from dust. For cleaning use only, a moist cloth. Never use liquids or force water. After cleaning, let the fixture dry before use. The water in the tank must be removed after use, and when the machine would not be used for a long period time.