

MFS - Mr. Fogger Sr.

by Götsch Media GmbH & Co. KG

www.mr-fogger.com



BEST QUALITY



MADE IN GERMANY

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Included in delivery:

- 1 x electronic unit
- 1 x fog unit
- 1 x power cable
- 1 x connection cable 0.5m
- 1 x remote control
- 1 x User manual
- 1 x tube 3m

Optional accessories:

- tube 5m
- Connection cable 5m
- Connection cable 3m
- Different fog outlets
- additional remote control
- For more information visit www.mr-fogger.com

General description

The MFS is a fog generator for pure and high purity environments. It vaporizes Wfl water into steam with the help of ultrasonic nebulizers Designed for use with air flow visualizations. The pump system provides consistent mist production for up to 50 minutes.

Identification of the user manual

Product: MFS

Software-Version: V1.03.04

Manufacturer:

Götsch Media GmbH & Co. KG

Lerchenweg 34

88437 Maselheim

www.mr-fogger.com

Developer:

Manuel Götsch

Christoph Götsch

Eugen Zimmermann

Ralf Hunger

Stefan Kasper

Stand Operating Instructions: April.2022

Unique identification of the product

Technical data :

Product Name: MFS

Software-Version: V1.03.04

Dimensions:

Electronic unit: 345 mm x 335 mm x 220 mm

Nebulizer unit: 345 mm x 3335 mm x 315 mm

Power consumption: 230V AC 50 Hz

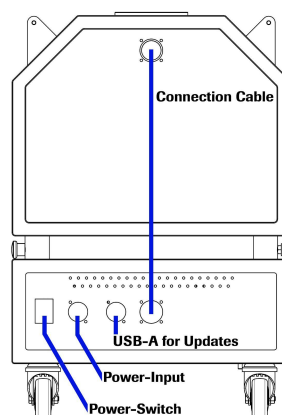
Mains supply voltage fluctuations: $\pm 10\%$

Current: maximum 800 Watts

Protection class: 1

Country of origin: Germany

Country of production: Germany

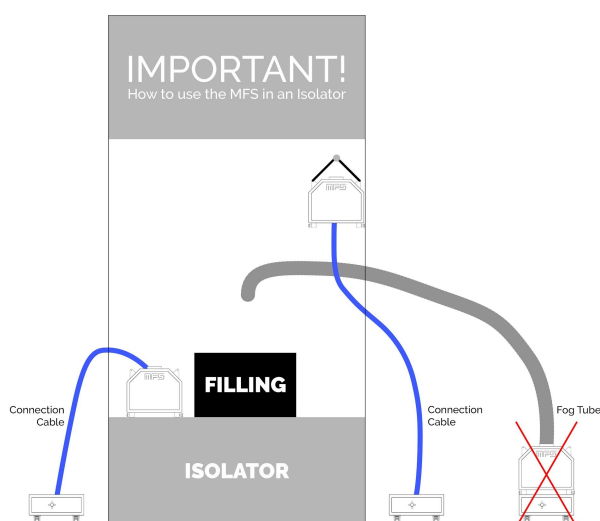


Modification of the product

Modification of the product, of whatever kind, is strictly prohibited.

Use in an Isolator

It is absolutely necessary to have the fog unit inside the isolator!



Safety Information

The MFS works with WFI water in conjunction with electrical power. It is absolutely necessary to stand and transport the device in an flat upright position! If water gets into the electronic units (plug / socket, electronics) of the device, switch it off immediately and check for absolute dryness before restarting.

If the unit tips over while it is filled with water, switch it off immediately and check for absolute dryness before switching it on again.



Attention! Heavy load. Device weighs up to 35kg.



Caution: electrical voltage.

When the device is switched on, do not reach into the water tank.



Do not operate with pacemaker.



Do not breathe the produced fog.

A connection to the protective earth conductor is mandatory for operation.

Make sure the hose is straight when unit is active.

Storage of instructions for use

**IMPORTANT! READ CAREFULLY BEFORE USE AND
KEEP FOR FUTURE REFERENCE!**

Use of the product

The protection supported by the device can be impaired if used differently!

Transport:

The device must be emptied before transport and transported in the transport case provided.
Always ship the MFS strapped to a pallett!

Installation:

Always position the device in such a way that the disconnecting device can be easily reached and operated at any time.

Before the device is supplied with power, 6 liters WFI (Water for Injection) have to be filled into the tank. The plug-in connections between the electronic unit and the fog unit must be checked for correct seating before each use.

Behavior after use:

Switch off the device, disconnect the cable connections and empty the water using the provided screw.



Separate units:

The MFS is divided into two separate units for better handling within production facilities. The lower unit contains the power supply and electronic control unit. The upper part contains the water tank and the ultrasonic nebulizers.

In order to separate the two units or operate combined, the four locking pins must be opened by a turn or be closed.

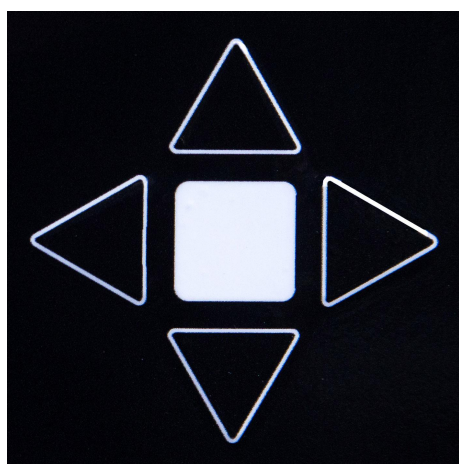
Operation of the products



Remote Control

- 1 = Off (saves last used setting)
- 2 = On
- 4 = 1 Fog module less
- 5 = 1 Fog module more
- 7 = Fewer fan
- 8 = More fan

Battery Type: CR 2032



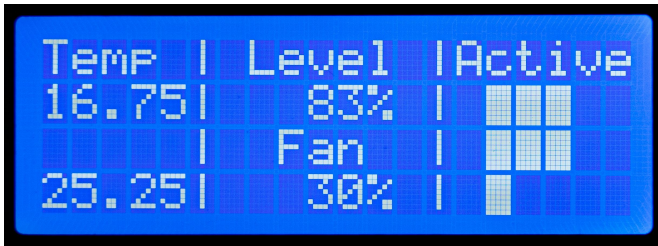
Buttons

Fog is on:

- Left: 1 Fog module less
- Right: 1 Fog module more
- Down: Fewer fan
- Up: More fan
- Enter: On/Off

Fog is off:

- Left: back
- Right: enter Menu
- Down: down, change value
- Up: up, change value
- Enter: set



Status:

Temp top: Water temperature

Temp bottom: Temperature of electrical unit

Level: Amount of water in Percent

Fan: Speed of fan

Active: Number of active fog units



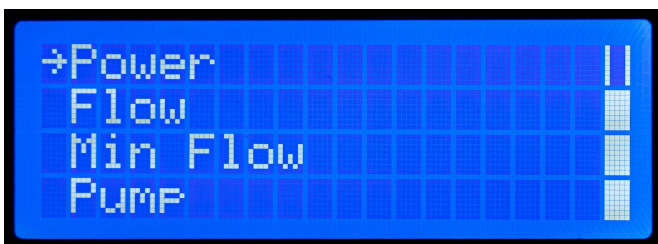
Main menu:

Status: Status display (temperature, fan, etc)

Settings: Settings

Login: Advanced Settings

About: Firmware version, developer



Menu: Settings

Select with the Up and Down buttons on the display. Press Right button to enter the menu. Press the left button to exit the menu.

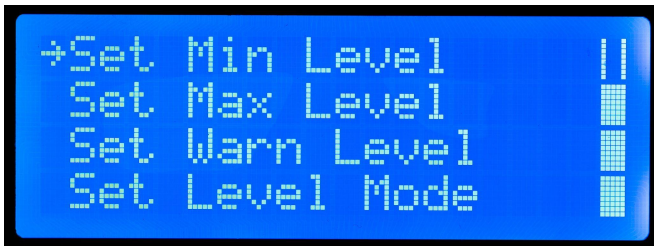
Power: set the number of active nebulizers

Flow: fan speed

Min Flow: minimal fan of speed (when nebulizers are off)

Pump: activate or deactivate the water pump

Drying: dry the system after use



Menu: Advanced

Set Min Level: calibration of the water level sensor

Set Max Level: calibration of the water level sensor

Set Warn Level: warning at low water

Set Level Mode: change between detailed (%) and states

Set Remote: configure the buttons of your remote

Set Min Fan: set minimum speed of fan

Set Max Fan: set maximum speed of fan

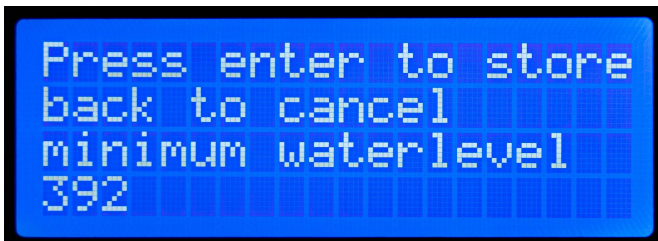
Pump Port: configure pump port on the relay

Set Fan Temp: set starting temperature

Test System: each nebulizer is briefly started individually

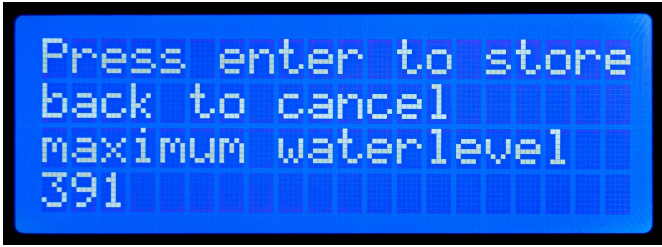
Runtime: show the hourmeter of the system

Logout: logout from advanced menu (88437)



Menu: Set min Level

Step 1: If the filling level isn't correct empty the generator. Go to Set minimum Level and fill the MFS with 3l of water and press enter.



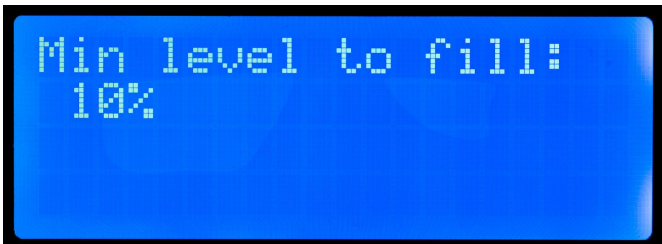
Menu: Set max Level

Step 2: After step 1 go to Set Maximum Level and fill another 3l of water in the MFS and press enter. The Sensors are now newly calibrated.



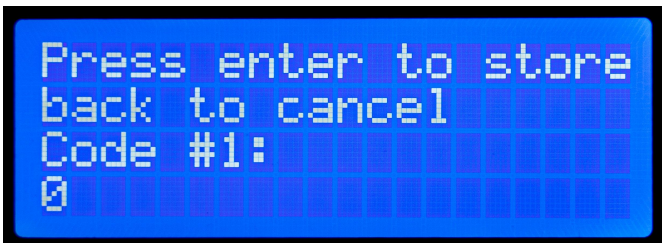
Menu: Set Level Mode

Change between detailed (%) and states.



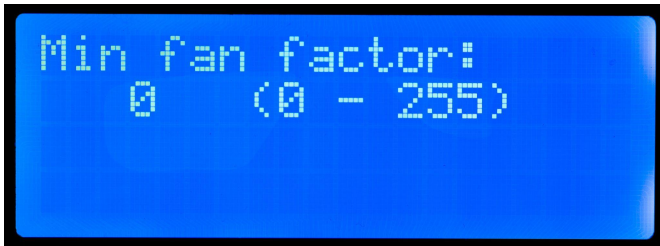
Menu: Set Warn Level

Set min water level when refill notification starts..



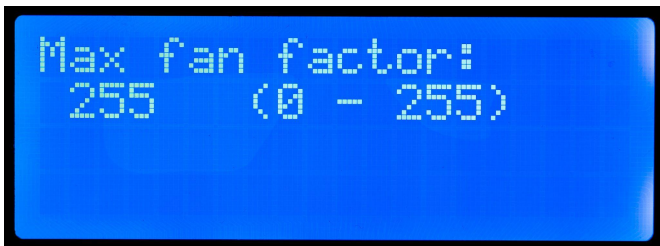
Menu: Set Remote

Press Buttons 1-8 and click enter to store.



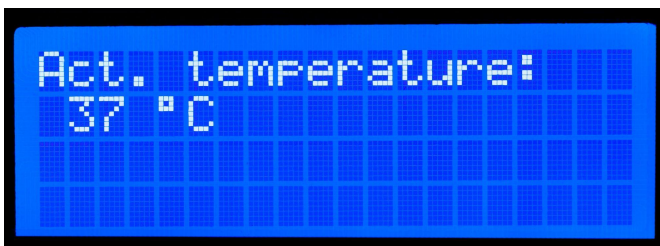
Menu: Set Min Fan

Set min fan factor.



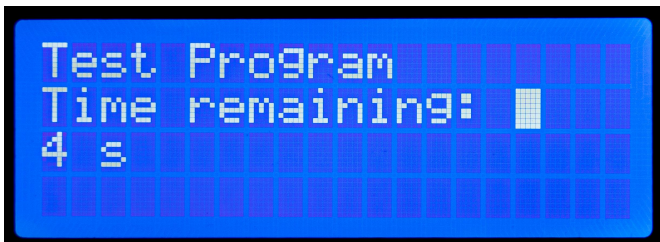
Menu: Set Max Fan

Set max fan factor.



Menu: Set Fan Temperature

Set the starting temperature for the cooling fan.



Menu: Test System:

Test starts automatically when selecting this menu item. Each nebulizer starts up for a short time and can be tested for function via a visual inspection.



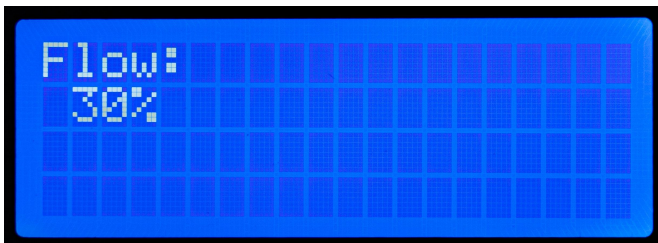
Menu: Runtime

Information about the systems runtime



Menu: Power

Number of active nebulizers. To be changed via the buttons Up and Down on the display or via buttons 3 and 4 on the remote control.



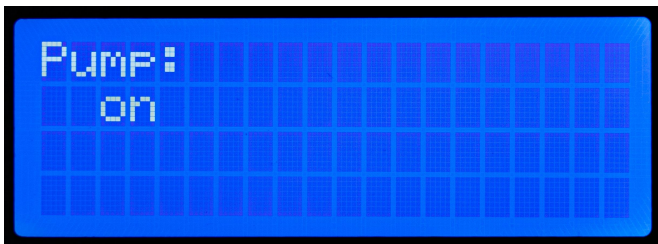
Menu: Flow

Speed of the fans. To be changed via the buttons Up and Down on the display or via buttons 5 and 6 on the remote control.



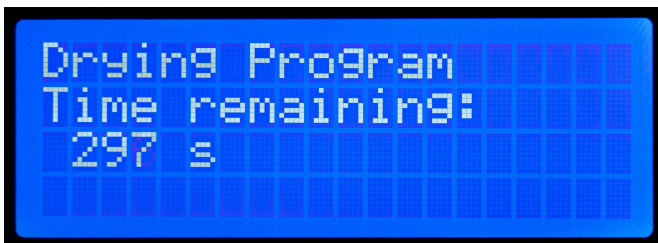
Menu: Min Flow

Min Flow is the speed of the fans when the MFS is in standby mode. Don't go under 30% if you work on an isolator line!



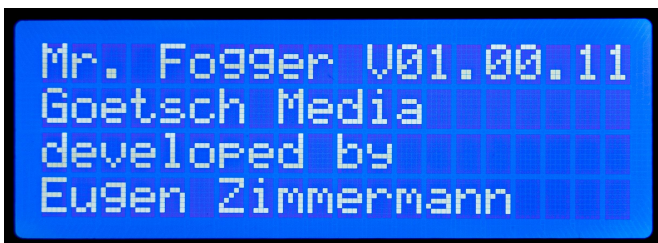
Menu: Pump

Activate or deactivate the water pump.



Menu: Drying

After using the fog generator, a small amount of WFI remains in the upper tank. Use the drying function (repeatedly) to dry out the water.



Menu: About

System Information, Name of Manufacturer, Name of Developer

Information for use:

Amount of water: 4-6 liters

Ideal water temperature: 30 ° - 33 ° Celsius

Water drainage: carefully open the screw and release water

Maintenance of the products

Cleaning:

Disconnect from power supply for cleaning, disinfect with isopropanol, fill and leave overnight. Then empty completely. Always work in accordance with applicable hygiene guidelines. No liability is assumed for contamination and particle formation.

Test mode:

In order to test the individual nebulizers for function, select in the menu "Settings" the item "Test System" to check the nebulizers.

Accessories, consumables, spare parts

For further accessories, please visit www.mr-fogger.com

For example:

Transport Case



Several Fog Outlets



Information on special tools, equipment

Further accessories can be found at www.mr-fogger.com

Information on repair, replacement of parts

Contact with dealer. The user is not permitted to use tools to gain access to parts or areas that could pose a hazard during normal operation.

Information on when the product is no longer needed

Dispose batteries of the remote control correctly!

Dispose of the device in electronic waste or send it back to Götsch Media after contacting.

Specifications

Power requirements: 230V AC 50 Hz

Mains supply voltage fluctuations: $\pm 10\%$

Current: maximum 800 Watts

Ambient operating temperature: 0 ° - 40 ° C

Altitude: 0 - 2000 m a.s.l.

Allowable humidity ranges: 20% to 80%

weight:

Total: 24.5 kg

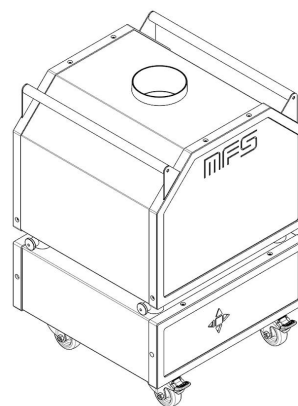
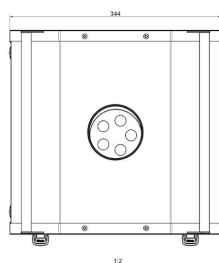
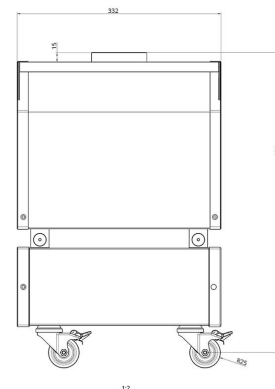
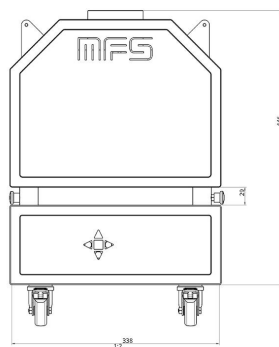
Fog: 14.5 kg

Electric: 10.0 kg

Dimensions:

Electronic unit: 345 mm x 335 mm x 210 mm

Nebulizer unit: 345 mm x 335 mm x 310 mm



Logos and Certificates

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