

1 0 0 % M A D E I N I T A L Y

# EXTRAFOG



**SANITIZER  
FUNCTION**

## THE UNIVERSAL FOG CANNON

EASY TO INSTALL - SAFE TO USE

D A T A S H E E T



## ONE MODEL FOR EVERY NEED

The Extrafog Fog Cannons range is the most complete on the market, consisting of two different control electronic versions and four power sizes.

### ➤ FOUR POWER SIZES

**EX-25** (up to 200 m³), **MF-50 / EX-50 / 50Lan** (up to 415 m³),  
**EX-100 / 100Lan** (up to 830 m³), **EX-200 / 200Lan** (up to 1660 m³)

#### ENTRY LEVEL SERIES EX-25 / MF-50 and BASIC SERIES EX-50 / EX-100 / EX-200

Essential Fog Cannons rich in electronic functions for maximum versatility of interfacing with any alarm control panel.

#### LAN SERIES EX-50.L / EX-100.L / EX-200.L

Fog Cannons with Ethernet connectivity, totally manageable remotely, both individually and in groups with dedicated software for control rooms.

Equipped with internal safety timer and different levels of protection from accidental triggering.

#### HYBRID SERIES EX-i50 / EX-i100 / EX-i200 and EX-i50.L / EX-i100.L / EX-i200.L

Dual Use mode: Anti-theft and Sanitizer.  
Fully automated and remotely manageable.



#### VEHICULAR SERIES

Fog Cannons designed for the protection of vehicles: security carriers vans, freight trucks, taxis, etc.

### ➤ MAXIMUM INSTALLATION VERSATILITY

Thanks to the complete line of mechanical accessories available for the whole Extrafog range:

- Various directional nozzles for optimal fog orientation
- Nozzle extensions up to 50 cm **UNIQUE**
- Kit to **hide the fog cannon behind the wall** and make it invisible
- Kit to protect **2 rooms with only 1 fog cannon** **UNIQUE**

### ➤ FREE REMOTE MANAGEMENT SYSTEM

Innovative tool that allows you to remotely manage all the Defendertech / Extrafog / Sanytech devices, of the LAN series, both individually and in groups. Arm-disarm, check anomalies, liquid level, set automatic timers and much more, wherever you are from your PC.

### ➤ AUTONOMOUS ACCESSORIES

All devices are equipped with 12V output, with which it is possible to power external sensors, radio kits or home automation, to make them completely independent from the alarm control panel.

### ➤ LOWER MAINTENANCE COST

- Liquid with **no expiry date**; it does not contain alcohol or solvents  
(characteristics that make the liquids of other brands volatile and subject to expiration)
- Easily **refillable tank** at any time
- Tests can be carried out **with water instead of liquid**;  
avoid unnecessary saturation of homes and shops during testing
- One shot has an average cost of **2 euros** (retail price)
- Standard backup battery, easily available for independent purchase. No extra costs for custom batteries.

# KEY FEATURES

- ✓ 100% Made in Italy
- ✓ The only one with double Function: Anti-theft + Sanitizer **NEW**
- ✓ Fogger Model for any Vehicle Sanitizing available **NEW**
- ✓ Ready response Customer support
- ✓ Maximum versatility of installation interface and handling
- ✓ Different levels of protection from accidental triggering
- ✓ Ready settings for network connectivity
- ✓ Fast and reliable communication protocol
- ✓ **Free Management Software to manage one or more LAN line devices,** **UNIQUE** ..... wherever you are comfortably from a PC
- ✓ Integrates with third party software
- ✓ Automatic pump maintenance function
- ✓ **Exclusive post-shot / anti-drop system (no drip or residue)**
- ✓ Nozzle extensions up to 50 cm
- ✓ Kit to **hide the fog cannon behind the wall** and make it invisible
- ✓ Kit to protect **2 rooms with only 1 fog cannon** (Front and Back Shot) **UNIQUE** ...
- ✓ Easily **refillable tank** at any time
- ✓ Liquid with **no expiry date**
- ✓ One shot has an average cost of **2 euros** (retail price)
- ✓ Several Fog Shots available: within 5 to 7 minutes for total releases
- ✓ Dense, Heavy and Persistent Fog
- ✓ Ready to fire in 10/20 minutes from completely cold (stand-by)
- ✓ Consumes only when armed, average electrical absorption max 45 W/h **UNIQUE**
- ✓ Standard buffer battery easily available everywhere
- ✓ Capable of firing after 1 hour of power failure
- ✓ Boiler **GUARANTEED** for 5 YEARS
- ✓ Cold cover even with active device
- ✓ Compliance with standard EN 50131-8
- ✓ **NON-FLAMMABLE** Liquid and Mist, the tank **WILL NEVER DETONATE**
- ✓ Non-dangerous liquid certified by the National Poison Control Center
- ✓ 100% **SAFE** fog on people, animals and objects



# "ENTRY-LEVEL" FOG CANNONS DATA SHEET

## EX-25 (recommended for 25 sqm)

CHARACTERISTICS AND PERFORMANCE	EX-25 recommended for 25 sqm H3	MF-50 recommended for 25 sqm H3
Volume saturated with each firing cycle	25 sqm h.3 - 200 m³ in expansion	50 sqm h.3 - 415 m³ in expansion
Fog delivery time	Adjustable from 1 - 30 sec.	Adjustable from 1 - 60 sec.
Forced pause time between one shot and the next one	Adjustable from 0 to 5 minutes	Adjustable from 0 to 5 minutes
Total delivery time achievable	7 shots of 30" (with full tank)	5 shots of 60" (with full tank)
Warm-up time	10 to 15 minutes	15 to 25 minutes
Tank capacity	0,5 Lt. (Refillable)	0,5 Lt. (Refillable)
Response time	5 Ms	5 Ms
Burner power supply	220 Volts	220 Volts
Electronic part power supply	12 Volts	12 Volts
Rated power absorbed when starting	500 Watts only for the first 10/15 minutes	600 Watts only for the first 15/25 minutes
Power absorbed in stand-by	12V 5mA	12V 5mA
Power absorbed during the shot	12V 4Watt	12V 4Watt
Average hourly energy consumption	40w/h only when "Armed"	40w/h only when "Armed"
Autonomous 12V power supply stage (can be integrated inside)	Yes, "DT-power200" optional	Yes, "DT-power200" optional
Integrable backup battery	Yes, "DT-power200" optional	Yes, "DT-power200" optional
Autonomy of the burner in the absence of electricity	Within 1 hour it can carry out a 60 second shot	Within 1 hour it can carry out a 60 second shot
Failure reporting system	Yes (visual) + 5 wired outputs	Yes (visual) + 5 wired outputs
N.O./N.C.Input	1 for heating activation and 1 for shot activation	1 for heating activation and 1 for shot activation
N.O./N.C. Output	5 for Battery status - Fault - Liquid level - Heating - Armed on/off on/off	5 for Battery status - Fault - Liquid level - Heating - Armed on/off on/off
Directional nozzles for optimal fog orientation	2 models: 1x45° adjustable and already installed - 1x0° optional	2 models: 1x45° adjustable and already installed - 1x0° optional
Nozzle extensions	Front and rear, from 200mm to 500mm (DT-U200P - DT-U500P)	Front and rear, from 200mm to 500mm (DT-U200P - DT-U500P)
Types of possible installations	Wall-Floor (horizontal / vertical) - Ceiling with optional DT-SP2	Wall-Floor (horizontal / vertical) - Ceiling with optional DT-SP2
Weight	8 Kg with full tank	10 Kg with full tank
Dimensions	L.495 x H.150 x Sp.130 mm	L.492xH.290xSp.150 mm
Color	White Ral 9010	White Ral 9010



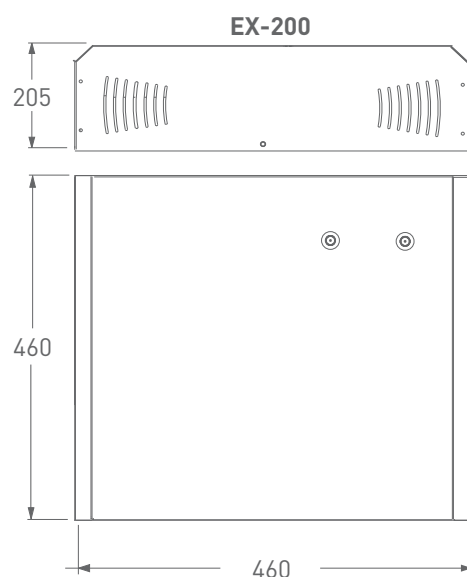
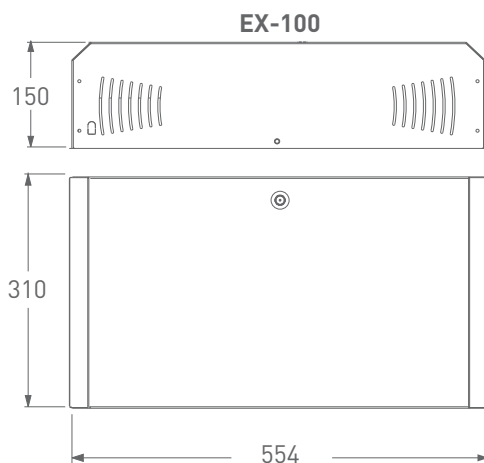
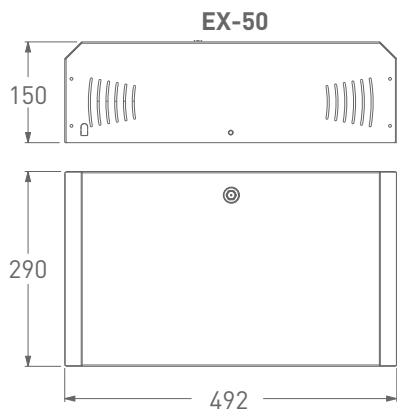
● CHARACTERISTIC PRESENT ○ CHARACTERISTIC NOT PRESENT

\* The manufacturer reserves the right to make changes to the technical specifications of the device

# EXTRAFOG FOG CANNONS DATA SHEET

## Basic Version

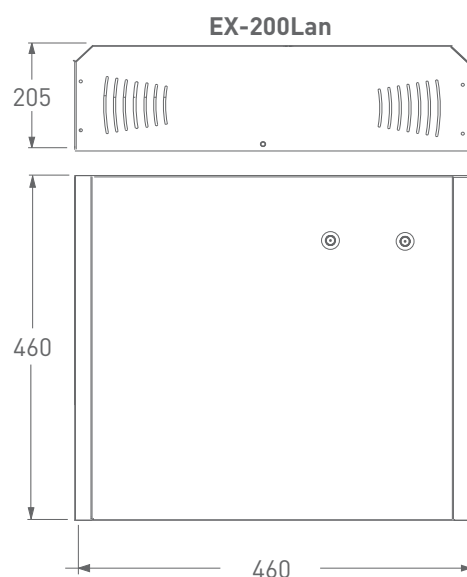
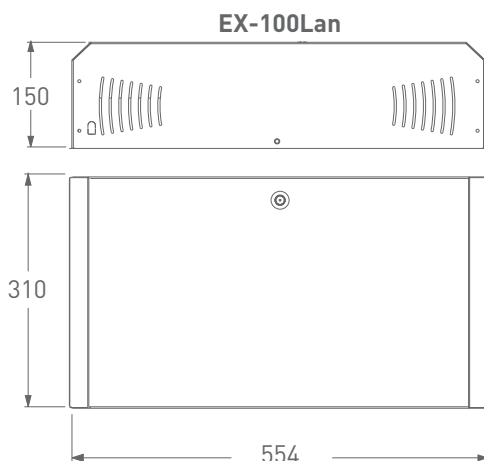
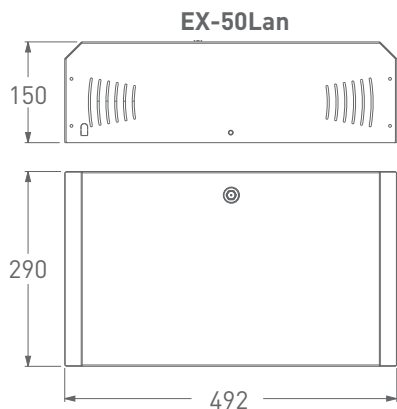
CARATTERISTICHE E PRESTAZIONI	EX-50 recommended for 50 sqm H3	EX-100 recommended for 100 sqm H3	EX-200 recommended for 200 sqm H3
Volume saturated with each firing cycle	"50 sqm h.3 - 415 m³ in expansion"	"100 mq h.3 - 830 m³ in expansion"	"200 mq h.3 - 1660 m³ in expansion"
Fog delivery time	1-40 sec.	1-60 sec. (120 sec in pulses)	1-60 sec. (120 sec in pulses)
Forced pause time between one shot and the next one	1 to 60 minutes	1 to 60 minutes	1 to 60 minutes
Total delivery time achievable	5 minutes (with full tank)	6,5 minutes (with full tank)	6,5 minutes (with full tank)
Total saturable volume	2.075 m³ (with full tank)	4.980 m³ (with full tank)	9.960 m³ (with full tank)
Warm-up time (from completely cold)	Max. of 25 minutes	Max. of 12 minutes	Max. of 12 minutes
Response time	200 Ms	200 Ms	200 Ms
Power supply	220 Volts	220 Volts	220 Volts
Rated power absorbed when starting	600 Watts	1750 Watts (reducible to 50%)	3500 Watts (riducibile to 25-50-75%)
Average hourly energy consumption	40 w/h	45 w/h	50 w/h
Power absorbed in stand-by	120 mA	120 mA	120 mA
Dimensions	492×290×150 mm	554x310x150 mm	460x460x205 mm
Integrable backup battery	Yes (nr. 2×1.3A)	Yes (nr. 2×1.3A)	Yes (nr. 2×1.3A)
Autonomy of the burner in the absence of electricity	Within 1 hour it can carry out a 60 second shot	Within 1 hour it can carry out a 60 second shot	Within 1 hour it can carry out a 60 second shot
Failure reporting system	Yes	Yes	Yes
Liquid level reporting system	Yes	Yes	Yes
Anti-opening protection tamper	Yes	Yes	Yes
12V DC output for external sensors	500 mA	500 mA	500 mA
Color	White Ral 9010	White Ral 9010	White Ral 9010
Weight	10 Kg with full tank	14 Kg with full tank	22 Kg with full tank
Tank capacity	0,5 Lt	1,5 Lt	3 Lt
Capacità serbatoio	0,5 Lt	1,5 Lt	3 Lt
<b>OPTIONALS</b>			
Dual mode option: Anti-theft + Sanitizer	•	•	•
8 nozzles for the orientation of the fog shot: 1×0° 1×45° 1×90° 2×45° 3×0° 3×45° 2×0°2×0°/45°	•	•	•
Nozzle extension, adjustable length from 200 to 500 mm	•	•	•
Deviation Kit, to hide the fog cannon behind the wall and make it invisible	•	•	•
Splitting kit, to divide the fog jet, 50% passes through the wall behind the device and 50% in front (covering 2 adjacent rooms)	•	•	•
<b>ELECTRONIC FUNCTIONS</b>			
Event log saved on the device	○	○	○
"Safe Shot" function (double consent is required to shoot)	○	○	○
Automatic update of date and time, referring to two programmable NTP web servers	○	○	○
"Arming lock" function of the appliance on a programmable time slot	○	○	○
Monitoring, activation and programming of the device through the Web (LAN)	○	○	○
Physical outputs for signaling: status, liquid level, boiler ready, shooting in progress	● (2)	● (2)	● (2)
3 different levels of access password protected that can be modified	○	○	○
Unlimited Tank function (allows you to extract the fluid from larger tanks)	•	•	•
<b>INPUTS - OUTPUTS - SIGNALS</b>			
1 input for fog cannon activation (arm)	•	•	•
Programmable "N.C.-N.O. AND-OR" inputs for firing activation	● (1)	● (1)	● (1)
Programmable relay outputs for signaling the liquid level / failure of the appliance	● (2)	● (2)	● (2)
O.C. outputs to signal "burner ready / firing in progress"	○	○	○
6 LED lights that signal operations / failures	•	•	•
1 coded acoustic signal to signal operations / failures	•	•	•
1 ethernet connector for remote monitoring and management of the appliance	○	○	○



# EXTRAFOG FOG CANNONS DATA SHEET

## Ethernet Version

CHARACTERISTICS AND PERFORMANCE	EX-50.Lan recommended for 50 sqm H3	EX-100.Lan recommended for 100 sqm H3	EX-200.Lan recommended for 200 sqm H3
Volume saturated with each firing cycle	"50 sqm h.3 - 415 m³ in expansion"	"100 mq h.3 - 830 m³ in expansion"	"200 mq h.3 - 1660 m³ in expansion"
Fog delivery time	1-40 sec.	1-60 sec. (120 sec in pulses)	1-60 sec. (120 sec in pulses)
Forced pause time between one shot and the next one	5 to 20 minutes	5 to 20 minutes	5 to 20 minutes
Total delivery time achievable	5 minutes (with full tank)	6,5 minutes (with full tank)	6,5 minutes (with full tank)
Total saturable volume	2.075 m³ (with full tank)	4.980 m³ (with full tank)	9.960 m³ (with full tank)
Warm-up time (from completely cold)	Max. of 25 minutes	Max. of 12 minutes	Max. of 12 minutes
Response time	200 Ms	200 Ms	200 Ms
Power supply	220 Volts	220 Volts	220 Volts
Rated power absorbed when starting	600 Watts	1750 Watts (reducible to 50%)	3500 Watts (riducible to 25-50-75%)
Average hourly energy consumption	40 w/h	45 w/h	50 w/h
Power absorbed in stand-by	120 Ma	120 Ma	120 Ma
Dimensions	380×380×145 mm	450×450×145 mm	465×465×205 mm
Integrable backup battery	Yes (nr. 2×1.3A)	Yes (nr. 2×1.3A)	Yes (nr. 2×1.3A)
Autonomy of the burner in the absence of electricity	Within 1 hour it can carry out a 60 second shot	Within 1 hour it can carry out a 60 second shot	Within 1 hour it can carry out a 60 second shot
Failure reporting system	Yes	Yes	Yes
Liquid level reporting system	Yes	Yes	Yes
Anti-opening protection tamper	Yes	Yes	Yes
12V DC output for external sensors	500 mA	500 mA	500 mA
Color	White Ral 9010	White Ral 9010	White Ral 9010
Weight	10 Kg with full tank	14 Kg with full tank	22 Kg with full tank
Tank capacity	0,5 Lt	1,5 Lt	3 Lt
<b>OPTIONAL</b>			
Dual mode option: Anti-theft + Sanitizer <b>NEW</b>	•	•	•
8 nozzles for the orientation of the fog shot: 1×0° 1×45° 1×90° 2×45° 3×0° 3×45° 2×0°2×0°/45°	•	•	•
Nozzle extension, adjustable length from 200 to 500 mm	•	•	•
Deviation Kit, to hide the fog cannon behind the wall and make it invisible	•	•	•
Splitting kit, to divide the fog jet, 50% passes through the wall behind the device and 50% in front (covering 2 adjacent rooms)	•	•	•
<b>ELECTRONIC FUNCTIONS</b>			
Event log saved on the device	•	•	•
"Safe Shot" function (double consent is required to shoot)	•	•	•
Automatic update of date and time, referring to two programmable NTP web servers	•	•	•
"Arming lock" function of the appliance on a programmable time slot	•	•	•
Monitoring, activation and programming of the device through the Web (LAN)	•	•	•
Physical outputs for signaling: status, liquid level, boiler ready, shooting in progress	• (4)	• (4)	• (4)
3 different levels of access password protected that can be modified	•	•	•
Unlimited Tank function (allows you to extract the fluid from larger tanks)	•	•	•
<b>INPUTS - OUTPUTS - SIGNALS</b>			
1 input for fog cannon activation (arm)	•	•	•
Programmable "N.C.-N.O. AND-OR" inputs for firing activation	• (2)	• (2)	• (2)
Programmable relay outputs for signaling the liquid level / failure of the appliance	• (2)	• (2)	• (2)
O.C. outputs to signal "burner ready / firing in progress"	•	•	•
6 LED lights that signal operations / failures	•	•	•
1 coded acoustic signal to signal operations / failures	•	•	•
1 ethernet connector for remote monitoring and management of the appliance	•	•	•



EXTRAFOG FOG CANNONS DATA SHEET

Hybrid Version - Dual Use BASIC or ETHERNET

NEW

CHARACTERISTICS AND PERFORMANCE	EX-i50 recommended for 50 sqm H3	EX-i50.Lan recommended for 50 sqm H3	EX-i100 recommended for 100 sqm H3	EX-i100.Lan recommended for 100 sqm H3	EX-i200 recommended for 200 sqm H3	EX-i200.Lan recommended for 200 sqm H3
Volume saturated with each firing cycle	50 sqm h.3 - 415 m³ in expansion		100 mq h.3 - 830 m³ in expansion		200 mq h.3 - 1660 m³ in expansion	
> For other features see the <b>BASIC</b> or <b>ETHERNET Version</b> table						
FEATURES AND PERFORMANCE OF THE SANITIZER MODE						
Volume saturated with the delivery of enriched steam	30 m² h.3 - 90 m³ in 80 seconds (immediately replicable)		60 m² h.3 - 180 m³ in 100 seconds (immediately replicable)		120 m² h.3 - 360 m³ in 100 seconds (immediately replicable)	
> To find out more about the Sanitization method, request the SanyTech Sanitizers Technical Data Sheet						
OPTIONAL						
> See the <b>BASIC</b> or <b>ETHERNET Version</b> table						
ELECTRONIC FUNCTIONS						
> See the <b>BASIC</b> or <b>ETHERNET Version</b> table						
INPUTS - OUTPUTS - SIGNALS						
> See the <b>BASIC</b> or <b>ETHERNET Version</b> table						

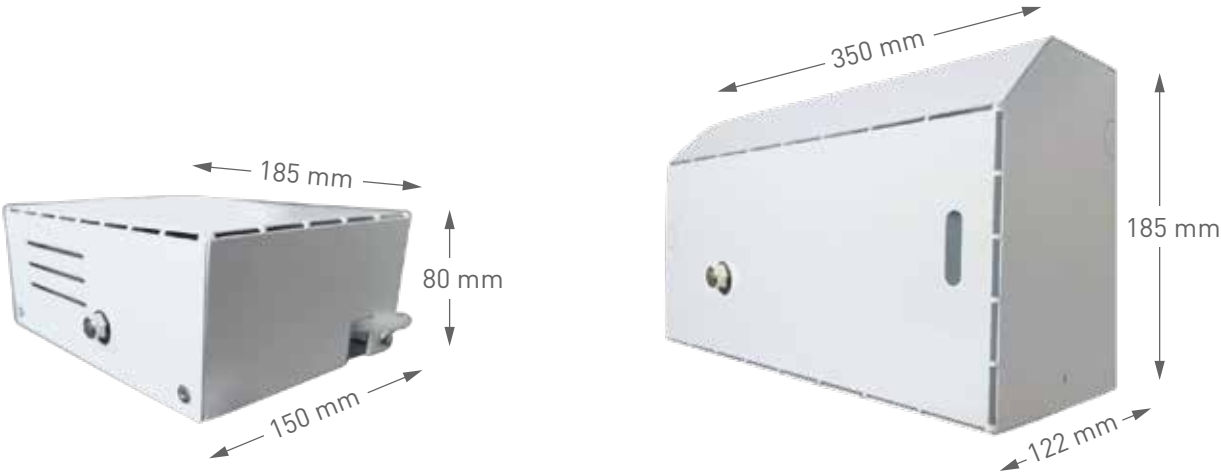
# MINIMAL DESIGN



VEHICULAR VERSION

NEW

5 devices designed to defend vehicles from thefts and robberies: vans, trucks, trains, buses, taxis, etc.  
From the smallest vehicular fog cannon in the world, which saturates an area of 100 cubic meters in 30 seconds with a power supply of 12 volts, to the one that saturates an area of 800 cubic meters in 60 seconds with a 12/24 Volt power supply.  
Refillable and customizable liquid tank.





**THE SECURITY AT 360°**

Supplied by:

**EXTRAFOG powered by TeK Group Srl**

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