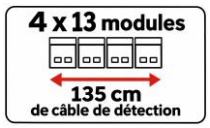
🔥 AUTOMATIC AEROSOL EXTINGUISHER STICKERPROMAXX 50Mx

Condensed aerosol fire suppression system





IDENTIFICATION	VALUE
Product reference	**SPM-50Mx**
Place of manufacture	Perpignan, France
Extinguisher type	Potassium- and strontium-based solid aerosol
Extinguishing agent	Suspended potassium and strontium particles
Protected volume	50 liters and/or 4 rows of 13 circuit breakers
Detection	2 detection loops and 135 cm of detection
Revision date	01/11/2026

🎯 EXTINGUISHING PERFORMANCE

FIRE CLASS	PERFORMANCE	DESCRIPTION
Class A	✅ **(limited)**	Solid material fires
Class B	✅ **Effective**	Flammable liquid fires
Class C	✅ **Effective**	Gas fires
Class E	✅ **Effective**	Computers
Class F	✅ **Effective**	Cooking oil and grease fires

📊 OPERATING CHARACTERISTICS

PARAMETER	VALUE
Discharge time	2-4 seconds
Activation time	< 2-4 seconds via heat-sensitive cable
Activation temperature	170°C ± 10°C
Protected volume	50 liters
Operating pressure	**UNPRESSURIZED**
Storage temperature	-30°C to +70°C

📏 DIMENSIONS & PHYSICAL CHARACTERISTICS

DIMENSION	VALUE	WEIGHT	VALUE
Length * width * height	120 * 18 * 16 mm	**Total weight**	28.35 g
Wall thickness	2 mm	**Extinguishing agent**	3.66 g +/- 3%

🔧 OPERATING PRINCIPLE

FEATURE	DESCRIPTION
Thermal activation	Automatic activation at 170°C ± 10°C on contact with the flame
Manual activation	/
Aerosol generation	Internal controlled combustion
Discharge pattern	30° channeled
Particles	< 5 microns (long suspension)
Residue	Minimal, non-corrosive

🧱 MATERIALS & COMPOSITION

COMPONENT	MATERIAL/COMPOSITION
Outer housing	Flame-retardant ABS V0
Extinguishing agent	Potassium salts + additives
Activation system	Thermal
Diffuser	Flow-directing perforations
Mounting	Double-sided adhesive and/or screws
IP rating	IP20 (indoor use)

🧱 INSTALLATION REQUIREMENTS

CRITERION	SPECIFICATION
Mounting height	65 cm maximum from the bottom of the enclosure
Coverage	1 unit per 50 liters max and/or 4 rows of 13 circuit breakers wide maximum
Spacing	Even distribution recommended
Ventilation	Baseline ventilation 0-2%. Increase capacity if ventilation is higher
Positioning	**SPM-50Mx** Ceiling mounting only, directly above the area to be protected. Make sure the device covers the full width of the hazard. Route the heat-sensitive cable above each row of circuit breakers or hazard for early flame detection within 2 seconds.

🏠 RECOMMENDED APPLICATIONS

SECTOR	TYPICAL APPLICATIONS
Commercial	Offices, server rooms, archives, libraries, laboratories
Industrial	Electrical cabinets, machine tools, storage areas
Transport	Utility vehicles, containers, ships
Residential	Garages, basements, utility attics, laundry rooms, kitchens

🌡️ ENVIRONMENTAL CONDITIONS

PARAMETER	ACCEPTED RANGE
Ambient temperature	-30°C to +70°C
Relative humidity	0% to 98% (condensing)
Maximum altitude	3,000 meters
Vibration resistance	8G (transport/industry)
UV exposure	Resistant (treated housing)
Ingress protection	IP20 (indoor use)

⚠️ ADVANTAGES & LIMITATIONS
✅ AEROSOL SYSTEM ADVANTAGES

ADVANTAGE	BENEFIT
Unpressurized	No hydrostatic testing
Maintenance-free	6-year service life
Warranty	5 years
Simple installation	No piping
Effective on electrical fires	Non-conductive
Compact	Small footprint
Eco-friendly	ODP=0, GWP=0

⚠️ SPECIFIC PRECAUTIONS

AREA	INSTRUCTIONS
Installation	Avoid direct heat sources, respect mounting height, plan for evacuation of people
Use	Ventilate after discharge, do not inhale particles, clean up the minimal residue
Storage	Any position, keep away from extreme humidity, avoid severe impacts

🔧 MAINTENANCE & CHECKS

CHECK	FREQUENCY	RESPONSIBLE	MAIN ACTIONS
Visual check	**Monthly**	User	Housing condition, accessibility, detection cable condition, diffusers unobstructed
Technical inspection	**Never**	Technician	None
Replacement	**5 years**	Installer	Remove old unit, install new unit

📋 WARRANTY CONDITIONS

ITEM COVERED	DURATION	CONDITIONS
System operation	**5 years**	Compliant installation, normal use
Housing and mountings	**5 years**	No corrosion, no impacts
Thermal activation	**5 years**	Storage conditions observed
Extinguishing performance	**5 years**	Compliant volume and application

❌ WARRANTY EXCLUSIONS

- Accidental activation by overheating
- Damage due to excessive vibration
- Exposure to chemicals
- Non-compliant installation

✅ PRODUCT BENEFITS

- No pressure, no water, no piping
- Maintenance-free
- Non-conductive
- Small footprint
- Eco-friendly

🧪 EXTINGUISHING AGENT COMPOSITION

COMPONENT	PERCENTAGE	FUNCTION
Potassium salts	30-70%	Main extinguishing agent
Strontium salts	20-50%	Secondary extinguishing agent
Organic additives	2-10%	Binders and agglomerants, discharge, stabilizer
Resins	2-15%	Adhesive, long-term preservation

🌎 ENVIRONMENTAL DATA

CRITERION	VALUE
Recycling	100% recyclable housing
Residue after discharge	< 1 g, non-toxic
Environmental impact	GWP = 0, ODP = 0
Disposal	Non-hazardous industrial waste

📞 CONTACTS & SERVICES

🏢 MAIN CONTACT DETAILS

SERVICE	CONTACT
Offices	9 rue Paul Séjourné, BAT 1, RDC 66350 TOULOUGES, France
Sales	support@stickerpromaxx.com
Technical support	support@stickerpromaxx.com

🎓 INCLUDED SERVICES

SERVICES	DESCRIPTION
Feasibility study	Volume calculation, number of units
Installation training	Installation and maintenance training
Project support	Engineering office support