🔥 STICKERPROMAXX 500 AUTOMATIC AEROSOL EXTINGUISHER

Condensed aerosol fire suppression system



IDENTIFICATION	VALUE
Product reference	**SPM-500**
Place of manufacture	Perpignan, France
Extinguisher type	Solid aerosol based on potassium and strontium
Extinguishing agent	Suspended potassium and strontium particles
Protected volume	500 litres
Detection	1 detection loop and 50 cm of heat-sensitive cable
Revision date	08/11/2026

🎯 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, electrical equipment
Class F	✅ **Effective**	Cooking oil and fat fires

📊 OPERATING CHARACTERISTICS

PARAMETER	VALUE
Discharge time	16-26 seconds
Activation time	< 2-4 seconds via heat-sensitive cable
Activation temperature	170°C ± 10°C
Protection volume	500 litres
Operating pressure	**NON-PRESSURISED**
Storage temperature	-30°C to +70°C

📏 DIMENSIONS & PHYSICAL CHARACTERISTICS

DIMENSION	VALUE	WEIGHT	VALUE
Length × width × height	135 × 45 × 20.3 mm	**Total weight**	62.40 g
Wall thickness	2 mm	**Extinguishing agent**	24.4 g ± 3%

🔧 OPERATING PRINCIPLE

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

🧱 MATERIALS & COMPOSITION

COMPONENT	MATERIAL/COMPOSITION
Outer casing	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	190 cm max. from the bottom of the enclosure
Coverage	1 unit per 500 litres max. Series mounting possible
Spacing	Even distribution recommended
Ventilation	Base ventilation 0-2%. Increase capacity if ventilation is higher
Positioning	**SPM-500**: Ceiling mounting only, positioned above the risk. Make sure the full width of the risk is covered. Example: a PVC enclosure 85 cm wide cannot be protected with a single unit. (add heat-sensitive detection cable or a second unit + AX-SERIE junction)

🏠 RECOMMENDED APPLICATIONS

SECTOR	TYPICAL APPLICATIONS
Commercial	Offices, server rooms, archives, libraries, laboratories
Industrial	Electrical cabinets, machine tools, storage areas
Transport	Commercial vehicles, containers, ships
Residential	Garages, basements, technical lofts, 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 metres
Vibration resistance	8G (transport/industry)
UV exposure	Resistant (treated casing)
Ingress protection	IP20 (indoor use)

⚠️ ADVANTAGES & LIMITATIONS
✅ AEROSOL SYSTEM ADVANTAGES

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

⚠️ SPECIFIC PRECAUTIONS

AREA	INSTRUCTIONS
Installation	Avoid direct heat sources, observe mounting height, plan for evacuation of occupants
Use	Ventilate after discharge, do not inhale particles, clean up minor residue
Storage	Any orientation, protect from extreme humidity, avoid violent impacts

🔧 MAINTENANCE & INSPECTIONS

INSPECTION	FREQUENCY	RESPONSIBLE	MAIN ACTIONS
Visual check	**Monthly**	User	Casing 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
Casing and fixings	**5 years**	No corrosion or impacts
Thermal triggering	**5 years**	Storage conditions observed
Extinguishing efficiency	**5 years**	Compliant volume and application

❌ WARRANTY EXCLUSIONS

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

✅ PRODUCT BENEFITS

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

🧪 EXTINGUISHING AGENT COMPOSITION

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

🌎 ENVIRONMENTAL DATA

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

📞 CONTACTS & SERVICES

🏢 MAIN CONTACT DETAILS

DEPARTMENT	CONTACT
Offices	9 rue Paul Séjourné, Bldg 1, GF 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 assistance