



Fire Suppression Systems for Special Hazards

Access to the European Market with **CE Marking**



- FM Approvals is Notified Body under CPR
 - 130 years of fire protection experience
 - CE marking, testing and assessment
 - Globally accepted certifications
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- **CE Marking Services from FM Approvals** – Before fixed fire suppression systems and components—including detection, alarm, control, and agent storage and distribution—can be legally sold in the European Union, they must be CE marked in accordance with the EU’s Construction Products Regulation (CPR). Testing for the CE mark must be conducted under the auspices of an EU Notified Body to assess product compliance with applicable EU harmonized standards.
 - **Notified Body** – FM Approvals is a Notified Body (#1725) in the EU and therefore qualified to provide manufacturers who meet the testing requirements with Type Testing, Test Reports, Certificates of Constancy of Performance, Factory Production Control certification, and initial and surveillance audits.
 - **130 Years and Counting** – Founded in 1886, FM Approvals is a global leader in the testing and certification of loss prevention products, including all types of fire suppression systems. We provide world-class testing to European (e.g., EN 54, EN 12094, etc.), North American and other regional and globally accepted standards.
 - **Global Support** – Globally located offices make it easy to meet your needs locally anywhere in the world. Find your local office contact information at fmaprovals.com.

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Find EU Harmony with CE Marking Services from FM Approvals

The EU's CPR makes it mandatory that all fixed fire suppression systems and related components be CE marked. FM Approvals can provide your organization with product assessment, production facility audits and documentation assistance to help you meet the requirements for CE marking.

The **special hazards** found in many industrial and commercial facilities—including aircraft hangars, data centers, power generation, hospitals, petrochemical plants, semiconductor fabrication and biotech laboratories—require special types of fire protection systems. These systems must be able to detect an incipient event and release an extinguishing agent in time to avoid catastrophic damage and costly downtime.

Fire suppression systems for special hazards typically include Detection and Alarm components, Fire Suppression storage and Distribution hardware, and Fire suppression agents (**see chart**) that must all work together to provide detection, notification, activation and delivery, including:

- Heat, flame and smoke detectors
- Alarm and release control panels
- Sounders, strobes and manual call points
- Storage cylinders and valves
- Distribution piping and nozzles
- Fire Suppression agents (e.g., clean agents, CO₂, dry chemicals)

As an **EU Notified Body (#1725)**, FM Approvals can provide the conformity assessment and testing services necessary for the CE marking of fire suppression systems and components (**see chart**). We will help you determine which EU harmonized standards apply to your system, provide any evaluation, testing or assessment required, and assist you with the documentation required for CE marking.

To learn more about CE marking services from FM Approvals, contact our U.K. headquarters at +44 (0)1753 750 000 or find your local office by visiting fmapprovals.com.

Fire suppression systems and components and corresponding EU harmonized standards.

Fire Suppression Systems and Components	Certifications Required for CE Marking
Detectors <ul style="list-style-type: none">▪ Flame▪ Heat▪ Smoke	<ul style="list-style-type: none">▪ EN 54 – 10, Flame Detectors▪ EN 54 – 5, Heat Detectors▪ EN 54 – 7, Smoke Detectors
Alarm Control Panels	<ul style="list-style-type: none">▪ EN 54 – 2, Fire Alarm Control Panels▪ EN 12094 – 1, Electrical Automatic Control and Delay Devices
Power Supply Equipment	<ul style="list-style-type: none">▪ EN 54 – 4, Power Supply Equipment
Short Circuit Isolators	<ul style="list-style-type: none">▪ EN 54 – 17, Short Circuit Isolators
Input/Output Modules	<ul style="list-style-type: none">▪ EN 54 – 18, Input/Output Devices
Fixed Fire Suppression Systems <ul style="list-style-type: none">▪ Clean Agent▪ CO₂▪ Dry Chemical	<ul style="list-style-type: none">▪ EN 12094, Parts 1 – 6, 8-13, 20▪ EN 12094, Parts 1 – 13, 16, 20▪ EN 12416
Sounders	<ul style="list-style-type: none">▪ EN 54 – 3, Fire Alarm Devices: Sounders
Manual Call Points	<ul style="list-style-type: none">▪ EN 54 – 11, Manual Call Point
Strobes	<ul style="list-style-type: none">▪ EN 54 – 23, Fire Alarm Devices: Visual Alarms



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