

DAKEN Automatic Fire Suppression Tube

The automatic fire suppression tube system is a self-activating fire protection solution designed for enclosed and high-risk equipment spaces. The system consists of a heat-sensitive tube that is manufactured with a special proprietary thermal plastic and is closed by stainless steel fittings on each end. The tube has both a storage and a detection function, which means that the extinguishing agent is stored directly in the tube and no additional storage device such as a cylinder is required.

The automatic fire suppression tube system operates automatically and independent of any power supply by detecting higher temperatures. Widely used for fire protection in relatively enclosed and confined spaces, including electrical cabinets, distribution panels, battery energy storage cabinets, engine compartments, telecom cabinets, lithium battery enclosures, and wind power converter cabinets.



Key Features



Safe and Reliable

Discharges highly efficient clean agent with no residue; heat-sensitive automatic activation without manual intervention.

It does not conduct electricity, corrode, or cause thermal shock damage.



Easy to install

The system does not require any pressurization during installation as it is a self-contained system. Once routed it requires some ties or clips to hold in place.



Cost Effective



Universal Use

Independent system, maintenance-free and offering a long operational lifespan.

The fully sealed system has a life expectancy of up to 10 years depending on the type of application and system environment.

The system is designed for a wide range of applications and can be installed in almost any small enclosed space. The amount of extinguishing agent released depends on the system length.

DAKEN Automatic Fire Suppression Tube Series

The DAKEN Fire Suppression Tube System provides a compact and adaptable fire protection solution for a wide range of enclosed equipment applications, including electrical cabinets, control panels, and small industrial enclosures.

The system is available in tube lengths from 25 cm to 6 meters, allowing flexible installation according to different enclosure sizes and layout requirements.

The extinguishing agent filling capacity ranges from 0.25 kg to 2 kg, which is directly correlated with the system length to ensure appropriate fire suppression performance.

Depending on system configuration, the protection volume typically covers enclosed spaces from 0.1 m³ to 4 m³, making it suitable for small to medium-sized equipment enclosures requiring localized fire protection.

Application

The system is suitable for protecting a wide range of enclosed equipment, including electrical cabinets, battery storage systems, control panels, server racks, and engine compartments in vehicles, marine vessels, and industrial machinery.

It provides an ideal fire protection solution for compact spaces where traditional fire suppression systems cannot be easily installed.