

BCP Measures

Protecting Servers from Fire

YSS

Automatic Fire Extinguishing System

Compatible with 19-Inch Racks and Existing Equipment



Prevention of Secondary Disasters

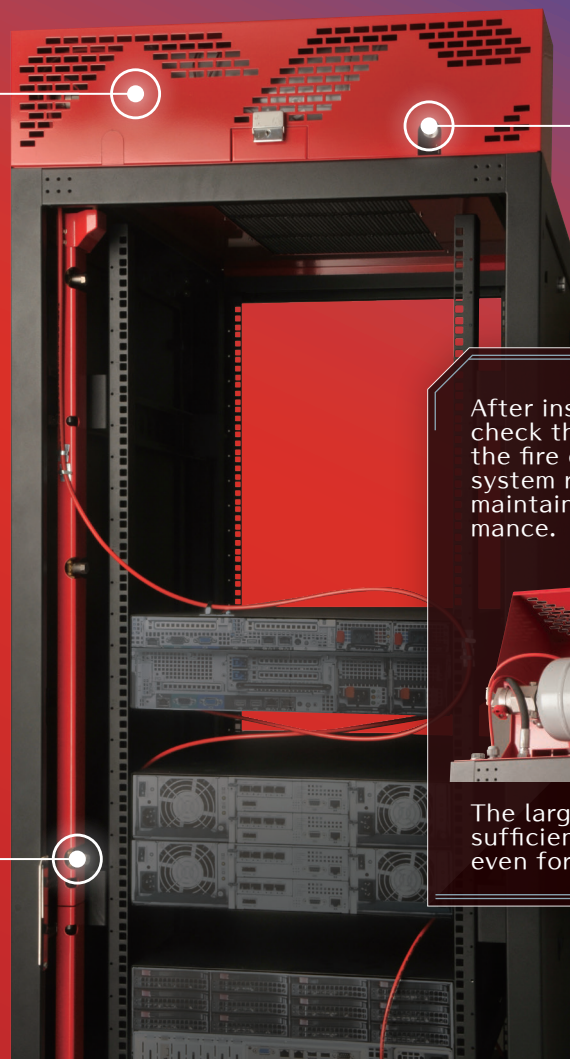


No External Power Required



Flexible Wiring
(for Sensor Tubes)

- Achieves a low cost of 80% ~90% compared to construction of fire extinguishing equipment
- Lifespan of fire detection tubes is 8 years, and the extinguishing agent container is 10 years
- Uses a safe extinguishing agent that is considerate of human health, equipment, and the environment



After installation, simply check the pressure of the fire extinguishing system regularly to maintain its performance.



The large-capacity cylinder provides sufficient extinguishing capability even for racks with punching doors.

Comprehensive BCP Measures for Earthquake Disaster



»» What is Automatic Fire Extinguishing System ?

Without using an external power source, a tube made of special resin serves as a sensor. When the tube is heated by a fire, it melts, creating a hole that allows the extinguishing agent sealed in the container to be ejected at the fire source to extinguish the flames. This system is particularly effective in environments like unmanned offices and data centers, where it can prevent the spread of fire in hard-to-monitor areas.

»» Extinguishing Agent

This is a fluoroketone-based extinguishing agent with high electrical insulation properties, excellent extinguishing performance, and safety for the environment. Compared to halogenated extinguishing agents, its global warming potential is less than 1/1000, allowing for long-term sustainable use. It maintains a high level of safety for humans and does not affect operating equipment during its use.

BCP Measures

Relate products

Seismic Isolation Rack

YMR

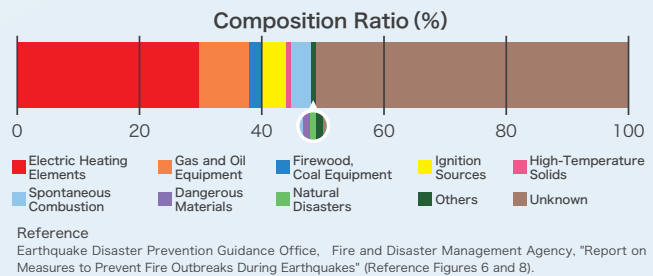
Series

No construction required

- Expanded range of motion. Impact is mitigated to about 80%.

Number of Fire Incidents by Ignition Source During the Great Hanshin-Awaji Earthquake

Of the 285 fires that occurred during the Great Hanshin-Awaji Earthquake, excluding 146 incidents classified as unknown, the most common ignition source was **electric heating elements, accounting for 29.8% (85 incidents)**. The breakdown includes portable electric heaters (40 incidents), electrical equipment (16 incidents), and wiring for lighting and telephone lines (19 incidents). For reference, in the year 1995, the overall composition ratio of electric heating elements in all fires was 10.4%.

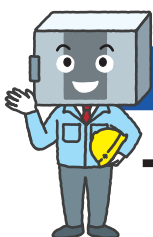


Extinguishing Agent Container

Model Number	ILP-3.5N
Type of Extinguishing Agent	FK-5-1-12
Volume	5.0L
Storage Amount of Extinguishing Agent	3.5kg
Total Weight	9.8kg
Outer Diameter	140mm
Height	520mm
Lifespan	10yrs
Operating Surrounding Temperature	-20~+40°C

Standard Specifications of Fire Extinguishing Equipment

Release Method	indirect low pressure
Internal Pressure of Tube	1.8MPa
Internal Pressure of Container	1.8MPa
Maximum Length of Tu	10m
Color of Tubebe	Orange
Lifespan of Tube	8 years
Operating Surrounding Temperature of Tube	-20~+50°C
Operating Temperature of Tube	92°C
Material of Tube	polyethylene
Maximum Length of Copper Pipe	5m



Orders and Inquiries

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Appearance and specifications are subject to change without notice.



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