

SAPPHIRE[®] Fire Suppression Systems



Multiple levels of protection

- Total flooding of hazard areas
- No damage to valuable assets
- Wide range of applications
- Effective on Class A, B and C fires

People and environmentally friendly

- Low odor clean agent
- Safe for occupied spaces at design concentration
- Zero ozone layer depletion

Approvals

- UL Listed
- FM Approved

Using water alone as a fire suppressant in areas where electronics operate and high-value assets are stored could be as devastating as fire itself. Protect these assets with an SAPHIRE clean-agent system, custom-engineered to quickly suppress fires without causing a harm to equipment, people or the environment.

Choose a revolutionary fire suppression agent

The SAPHIRE system utilizes FK-5-1-12 agent – a clear, colorless and low odor clean agent that instantly vaporizes upon discharge, absorbing heat and providing total flooding of protected spaces.

The system is especially suited for suppressing fires in occupied spaces, in areas where an electrically non-conductive medium is required, where electronic systems cannot be shut down in an emergency and where cleanup of other agents poses a problem.

People-friendly and environmentally friendly

FK-5-1-12 provides a wide safety margin because it is used at concentrations of only 4.5 to 5.9% by volume which are well below the 10% concentration maximum for safe exposure. In accordance with NFPA 2001, it is safe for occupied spaces.

The agent has zero ozone depletion potential, an atmospheric lifetime of just five days and a global warming potential of 1.

State-of-the-art detection and control

Even before a fire reaches the flame stage, SAPHIRE systems can detect and suppress it. This state-of-the-art detection and control system combines exclusive microprocessor control panels with highly sensitive smoke, heat and flame detectors.

When fire is detected, control panels will sound alarms, close doors, shut down equipment and release the fire suppression system. The system provides automatic detection, day and night, in conjunction with manual pull stations.



Applications for SAPHIRE systems

- Aviation facilities
- Commercial/naval vessels
- Computer and electronic control rooms
- Critical military systems
- Data processing centers
- Medical facilities
- Museums
- Offshore platforms
- Power generation plants
- Tape storage and vaults
- Telecommunication sites

The ultimate fire suppression solution

The brand promises a full range of quality fire protection solutions. Our extensive network of Authorized Distributors provides factory-trained professionals to serve our customers virtually anywhere in the world.

A passion for protection

Dedicated customer support. Extensive product portfolio. Engineering excellence. Trusted, proven brands. Johnson Controls offers all of these attributes, plus a passion for protection. It's what drives us to create solutions to help safeguard what matters most – your valued people, property and business.

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The power behind **your mission**